APPENDIX F.2:
Phase II Investigation Report



PHASE II INVESTIGATION REPORT

Main Campus Area
Fairview Developmental Center
2501 Harbor Boulevard
Costa Mesa, California

July 28, 2021

AVOCET
ENVIRONMENTAL, INC.

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Fairview Developmental Center
2501 Harbor Boulevard
Costa Mesa, California

July 28, 2021

PREPARED FOR

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Project No. 1431.005

AVOCET ENVIRONMENTAL, INC.

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July 28, 2021 Project No. 1431.005

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Phase II Environmental Site Assessment
Fairview Developmental Center
Main Campus Area
2501 Harbor Boulevard
Costa Mesa, California 92626

Dear Mr. O'Brien:

Transmitted herewith is a report documenting a Phase II investigation in the Main Campus area (the site) at the Fairview Developmental Center (FDC) in Costa Mesa, California. Phase II investigations in the Main Plant Operations portion of FDC are documented in a companion report being issued under separate cover. If you have any questions or require additional information, please do not hesitate to contact the undersigned at (949) 296-0977 Ext. 111 or at dsiren@avocetenv.com. As always, Avocet Environmental, Inc. appreciates the opportunity to be of service to the Department of General Services, Real Estate Services Division.

Respectfully submitted,

AVOCET ENVIRONMENTAL, INC.

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DCS:sh
Enclosure

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LIST OF ABBREVIATIONS AND ACRONYMS

ACM	asbestos-containing material
AST	aboveground storage tank
bgs	below ground surface
CMCC	Costa Mesa Country Club
CPP	Central Power Plant
CREC	Controlled Recognized Environmental Conditions
CrVI	hexavalent chromium
1,1-DFA	1,1-difluoroethane
DGS	California, Department of General Services, Real Estate Services Division
DTSC	California Department of Toxic Substances Control
DTSC-SL	DTSC-modified Screening Level
EPA	U.S. Environmental Protection Agency
ESA	environmental site assessment
ESL	SFBRWQCB Environmental Screening Level
FDC	Fairview Developmental Center
Freon-11	trichlorofluoromethane
HASP	Health and Safety Plan
HREC	Historical REC
IDW	investigation-derived waste
LBP	lead-based paint and coatings
LDC	leak detection compound
MPO	Main Plant Operations
mg/kg	milligram per kilogram
OCHCA	Orange County Health Care Agency
OEF	other environmental features
OFCs	oil-fused cutouts
OSH	Old Switch House
PCB	polychlorinated biphenyl
PCE	tetrachloroethylene
PID	photoionization detector
PPE	personal protective equipment
QA/QC	quality assurance/quality control
REC	Recognized Environmental Condition
RL	Reporting Limit
RPD	relative percent difference
RSL	EPA Regional Screening Level
SFBRWQCB	San Francisco Bay Regional Water Quality Control Board
SQL	sample quantitation limit
SVOC	semivolatile organic compound
TCE	trichloroethylene

TPH	total petroleum hydrocarbons
µg/kg	microgram per kilogram
UST	underground storage tank
VOC	volatile organic compound

1.0 INTRODUCTION

This report documents a Phase II subsurface environmental investigation in the Main Campus area (the site) at the Fairview Developmental Center (FDC) at 2501 Harbor Boulevard, in Costa Mesa, California. Avocet Environmental, Inc. (Avocet) conducted the Phase II investigation on behalf of the California Department of General Services, Real Estate Services Division (DGS), which is considering divesting or repurposing the FDC. The investigation was conducted pursuant to the findings of a Phase I environmental site assessment (ESA) for the FDC, which documented the current condition of the site in the context of the use, storage, handling, and disposal of potentially hazardous substances that could have impacted the subsurface environment or that may pose other human health risks (Avocet, April 17. 2020). It should be noted that the subject Phase II investigation did not address asbestos-containing material (ACM) or lead-based paint and coatings (LBP), although these materials likely are present in the older structures and subsurface infrastructure at the site. The locations of the FDC and the site are shown in Figure 1 and an aerial photograph of the FDC, with the site boundary highlighted, is presented in Figure 2. A larger-scale aerial photograph of the Main Campus area, showing the Phase II investigation locations, is presented in Figure 3.

1.1 OVERVIEW

The FDC occupies an approximately 150-acre[1] parcel (Assessor's Parcel No. 420-012-16) on the west side of Harbor Boulevard, roughly midway between the San Diego (405) Freeway and Newport Boulevard, and is almost entirely surrounded by the Costa Mesa Country Club (CMCC) golf course (Figure 2). The FDC was opened in 1959 as Fairview State Hospital, a state-operated residential facility providing general acute care, skilled nursing care, intermediate care, and acute crises services to individuals with intellectual and developmental disabilities. Prior to the construction of the FDC, the land it occupies was unimproved grass land. The FDC was designed to be self-contained and self-sufficient, with its own utility infrastructure, its own maintenance and support facilities, its own recreational facilities, and onsite housing for residents and at least some of the staff. Avocet's Phase I ESA discussed the FDC in terms of the following "functional areas," the locations of which are shown in Figures 2:

- The subject Main Campus area is at the heart of the FDC and includes all of the administrative, educational, recreational, and dormitory buildings, most of which are within Shelley Circle.

- In the middle of the Main Campus area is the Central Power Plant (CPP), an attached laundry facility, and a large institutional kitchen with an attached warehouse. The CPP features boilers for heating, chillers for cooling, and backup electrical generators.

[1] The acreages and measurements provided in this report are approximate only and have not been independently verified by Avocet unless specifically indicated otherwise.

- The Main Plant Operations (MPO) area, which features an auto shop, a paint shop, a plumbing shop, and other support facilities; a grounds shop; the "Old Switch House" (OSH); a water plant; and a wastewater comminutor. These MPO area is located on the north and south sides of Merrimac Way, to the north of and remote from the Main Campus.

- Harbor Village Apartments (Harbor Village) leases an area developed with apartments available for rent to the general public, although some are or were occupied by FDC residents.

As shown in Figure 2, the MPO area, grounds shop, OSH, water plant, and wastewater comminutor are remote from the Main Campus, in what had been unimproved open space that has since been developed with the surrounding Harbor Village Apartments. Based on the available information, it appears that hazardous substance storage and use at the FDC has been largely limited to in and around the CPP and the MPO facilities; however, electrical infrastructure throughout the FDC is known to have included oil-cooled transformers, capacitors, and oil-fused cutouts (OFCs) that contained polychlorinated biphenyls (PCBs).

The CPP features a natural-gas-fired boiler plant that provides electricity and heat, the latter as steam, to most of the FDC buildings. Electrical conduits and steam piping radiate out from the CPP in aboveground utility corridors, which also serve as covered walkways between certain FDC buildings. Backup fuel oil for the dual-fired CPP boilers was stored in two 18,000-gallon underground storage tanks (USTs). In the mid-1970s, a third, 12,000-gallon UST was installed for diesel fuel for new emergency backup generators at the CPP. In 1992, the two 18,000-gallon fuel oil USTs were removed and replaced with a single 20,000-gallon UST for diesel fuel. The 12,000-gallon diesel UST and the replacement 20,000-gallon diesel UST at the CPP were removed and replaced with aboveground storage tanks (ASTs) in 1999 and 2005, respectively. Confirmation soil samples were collected in conjunction with the UST removals, and locally impacted soil in two of the three UST excavations was removed and transported offsite for disposal. The USTs at the CPP were all removed, with oversight from the Orange County Health Care Agency (OCHCA), and all are covered by "no further action" letters issued by that agency.

Much of the PCB-containing electrical equipment at the FDC was installed in subsurface vaults located outside buildings or in subfloor vaults inside buildings. PCB transformers or related equipment were installed in Vaults 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, the main electrical room in the CPP, and in vaults in Rooms 105 and 114 in the Receiving and Treatment buildings (Figure 2). Oil assumed to have contained PCBs is known to have leaked into several of the concrete vaults, potentially impacting the concrete itself and/or the underlying soil via floor penetrations for grounding rods and the like. As part of its effort to eliminate PCB use, FDC removed and/or replaced most of its PCB-containing electrical equipment in the 1980s and early 1990s. Some of the removed equipment, reportedly including "leaky" transformers, was improperly stored outside in an unpaved area of the MPO and in the "Old Switch House" (OSH). Some of the removed equipment reportedly was also flushed with solvent to remove PCBs. In or around 1985, FDC was permitted as a Hazardous Waste Facility and installed a dedicated PCB storage building in the

MPO area. Three or possibly four of the original transformers (Vaults 3, 6, 13, and Ward E Rooftop) are still present at FDC, one of which, according to a decal on the vault door, contains PCBs. It is not clear whether the other original transformers still contain PCBs or have been drained and refilled with non-PCB oil. Moreover, Avocet observed potentially significant oil staining on the interior surfaces of several of the transformer vaults.

In its Phase I ESA report for the FDC, Avocet identified one Recognized Environmental Condition[2] (REC), four Historical RECs[3] (HRECs), and six other environmental features[4] (OEFs) associated with the Main Campus (Avocet, April 17, 2020). Additional RECs, HRECs, and OEFs were identified in the MPO area; however, only those pertaining to the Main Campus area are relevant in the context of the subject Phase II investigation. The identified RECs, HRECs, and OEFs in the Main Campus area were as follows:

Condition/ Feature	Description
REC 1	PCB Releases in Electrical Vaults
HREC 8	Former 18,000-Gallon Fuel Oil USTs
HREC 10	Former 12,000-Gallon Diesel UST
HREC 11	Former 20,000-Gallon Diesel UST
HREC 12	Soil Impacts in CMCC Encroachment Area
OEF 13	Existing Electrical Equipment in Vaults 3, 6, & 13
OEF 14	Rooftop Transformer Vault
OEF 15	ACMs, LBP, and Universal Wastes
OEF 16	Abandoned Exploratory Borings
OEF 17	Swimming Pool Chemical Storage
OEF 18	Fuel Aboveground Storage Tanks (ASTs)

1.2 PHASE II APPROACH

Based on the findings of the Phase I ESA (Avocet, April 17, 2020), Avocet recommended a Phase II investigation to assess whether and to what extent the subsurface environment may have been impacted by the identified RECs, HRECs, and OEFs. The scope of work involved the collection and analysis of soil matrix and soil vapor samples at 17 "biased" and 6 "unbiased" locations. The biased sampling locations were related to the identified RECs, HREC, and OEFs,

[2] The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not recognized environmental conditions.

[3] A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of an NFA letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

[4] OEFs are environmental conditions that do not meet the ASTM definition of a REC, Controlled RECs (CRECs), or HRECs but which warrant mention in the context of divesting the subject site or a portion thereof for redevelopment.

whereas the unbiased locations were in areas with no known history of hazardous substance use to provide spatial coverage. More specifically, Avocet collected and analyzed:

- Soil matrix and soil vapor samples from 6 biased borings advanced to 15 feet below ground surface (bgs) and completed with nested soil vapor probes at 5 and 15 feet bgs.

- Soil matrix samples from 11 biased shallow soil borings advanced to 5 feet bgs inside existing or former transformer vaults.

- Soil matrix and soil vapor samples from 6 unbiased borings advanced to 15 feet bgs and completed with nested soil vapor probes at 5 and 15 feet bgs.

The biased soil samples were analyzed for a wide range of common industrial chemicals, including those known to have been associated with specific areas or features, and the soil vapor samples were analyzed for volatile organic compounds (VOCs), including fuel oxygenates. The biased shallow soil samples were analyzed for PCBs only, as they were targeting the potential release of PCB-containing fluids from the transformers reportedly installed in vaults throughout the Main Campus area (REC 1). The six unbiased soil samples were analyzed for a wide range of common industrial chemicals, and the soil vapor samples were analyzed for VOCs, including fuel oxygenates. The unbiased borings were located throughout the Main Campus area of the FDC and did not target any specific environmental features; rather, their locations were selected to provide spatial coverage. A summary of the Phase II borings and targeted Main Campus features is presented below:

Boring ID	Condition/ Feature	Boring Target
TVB-1 through TVB-11	REC 1	Transformer Vaults
MC-SV-1	- -	Former Laundry Area
MC-SV-2		Backup Generator Room
MC-SV-3	HREC 8 & 11	Former Reserve Fuel USTs
MC-SV-4	HREC 10	Former Backup Generator Diesel UST
MC-SV-5 & MC-SV-6	- -	Warehouse/Kitchen Building
MC-SV-7 through MC-SV-12	- -	Unbiased borings, no target

1.3 SCREENING LEVELS

Avocet compared the results of the soil matrix and soil vapor sample analyses to screening levels developed by U.S. Environmental Protection Agency (EPA), the California Department of Toxic Substances Control (DTSC), and the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB). Where available, the generally more conservative "DTSC-modified Screening Levels" (DTSC-SLs; DTSC, June 2020) were preferentially used, with EPA "Regional Screening Levels" (RSLs; EPA, May 2021) used for those compounds for which DTSC-SLs are not available. SFBRWQCB "Environmental Screening Levels" (ESLs) were used for total petroleum hydrocarbons (TPH) and VOCs in soil vapor only (SFBRWQCB, July 2019). As naturally

occurring arsenic is typically present in Southern California soil at concentrations above DTSC-SLs and EPA RSLs, arsenic concentrations in soil were compared to the accepted southern California background range (Chernoff, et al, 2008) and the screening level DTSC uses for school sites (DTSC, June 6, 2005). As there are no EPA or DTSC screening levels for VOCs in soil vapor, Avocet assessed the potential for vapor intrusion into existing and future buildings using conservative default attenuation factors to estimate VOC concentrations in indoor air, which were then compared to SFBRWQCB ESLs, DTSC-SLs, and/or EPA RSLs.

1.4 REPORT ORGANIZATION

Including the introduction, this report is organized into four sections. Section 2.0 documents the Phase II investigation field and laboratory procedures, and Section 3.0 presents the findings. Section 4.0 presents a general summary and conclusions.

Supporting information is contained in tables, figures, and five appendices, all of which follow the text of this report. Appendix A contains transcribed versions of the field borings logs for the 15-foot Phase II borings. Appendices B and C contain the laboratory reports for the soil matrix and soil vapor samples, respectively. Appendix D contains the laboratory reports for investigation-derived waste (IDW), and Appendix E contains IDW disposal documentation.

2.0 FIELD AND LABORATORY PROCEDURES

This section documents field, laboratory, and related procedures followed during the subject Phase II investigation. Much of the Phase II investigation field work was conducted in November and December 2020; however, in early December 2020, FDC was reactivated as a "surge" hospital for the ongoing COVID-19 pandemic and access was restricted to essential staff only. The Phase II investigation field work was completed in April 2021, after the surge hospital was shuttered. Overall, the Phase II investigation involved the collection and analysis of soil matrix and/or soil vapor samples from a total of 23 borings advanced to depths ranging from 5 to 15 feet bgs. Drilling services were provided by Strongarm Environmental, Inc. (Strongarm), a C-57 licensed driller based in Fullerton, California. The locations of the Phase II borings are shown in Figure 3.

2.1 HEALTH AND SAFETY

The Phase II investigation was conducted in accordance with a facility-specific Health and Safety Plan (HASP). The HASP (Avocet, November 17, 2020) identifies the potential chemical and physical hazards that may be encountered at the facility, as well as the "generic" hazards associated with working in proximity to drilling and other mechanized equipment. It also specifies the measures to be taken to avoid or minimize these hazards. The identification of potential chemical hazards was based on the types of chemicals potentially present in the subsurface based on the operations known to have been conducted at and around the FDC and the results of previous investigations. The identification of potential physical hazards was based primarily on the type(s) of investigation equipment expected to be used during the subsurface investigation, the potential for encountering and damaging subsurface or overhead utilities, and the potential hazards posed by external factors, such as ambient temperature. Based on the identified hazards, the HASP specifies the minimum level of personal protective equipment (PPE) to be worn, the type(s) of monitoring to be conducted, the circumstances under which the minimum PPE would be upgraded, and other protective measures. The HASP also provides site-specific emergency contact information and the route to the nearest hospital with an emergency room.

All field personnel involved in the Phase II investigation were required to review the HASP prior to any fieldwork involving possible exposure to the potential chemical or physical hazards and to sign a HASP Distribution Record form to acknowledge that they have reviewed it and agree to abide by its requirements. The subject Phase II investigation was completed without any health and safety incidents of any kind.

2.2 SUBSURFACE UTILITY CLEARANCE

Prior to any intrusive field work, boring locations were marked out on the ground surface with white chalk-based paint and/or white 6-inch marking whiskers or "rooster tails." Visual indicators of possible subsurface utility conflicts, such as trench scars, vault alignments, and the like, were considered prior to marking the locations. Following boring mark-out, Avocet notified Underground Service Alert of Southern California (aka DigAlert) a minimum of 48 hours (two

working days) prior to any intrusive investigations so the appropriate utility companies had an opportunity to check for potential conflicts.

2.3 DRILLING AND SOIL SAMPLING

On November 23 through 30, 2020, and April 6, 2021, Strongarm hand augered Borings MC-SV-1 through MC-SV-12 to 15 feet bgs and Borings TVB-1 through TVB-11 to 5 feet bgs. Where necessary, the asphalt or concrete pavement was first wet cored to provide access to the underlying soil. The borings were advanced using a standard 3.25-inch-diameter hand auger, which was decontaminated prior to first use and between borings, as discussed in Section 2.6. During hand-auger drilling, Avocet collected discrete-depth soil matrix samples for visual classification and possible chemical analysis at nominal depths of 2, 5, 10, and 15 feet bgs in each MC-SV boring. The samples were collected in 2-inch-diameter by 6-inch-long stainless-steel sleeves in a hardened steel sampling device driven into the soil using a geotechnical slide hammer. Upon retrieval from the boring soil matrix, "subsamples" for VOC analysis were collected in 5-gram Terra Core® devices in accordance with EPA Method 5035. After collecting the Terra Core® subsamples, the ends of the soil-filled sample sleeves were sealed with plastic end caps lined with Teflon® foil. The Terra Core® devices containing the subsamples and the sealed stainless steel sample sleeves were labeled, sealed in freezer bags, and immediately placed on ice in a cooler. Chain-of-custody procedures were followed at all times from sample collection to delivery to the Eurofins Calscience, LLC (Eurofins) laboratory in Garden Grove, California. On completion of drilling and soil sampling, the borings were partially backfilled and soil vapor probes were installed as described in Section 2.5.

Soil matrix samples from Borings TVB-1 through TVB-11 were collected directly from the hand auger bucket at nominal depths of 0.5, 2, and 5 feet bgs and sealed in 8-ounce glass jars provided by Eurofins . The resulting boreholes were backfilled with granular bentonite, which was hydrated in approximately 6-inch lifts with potable water, and the concrete surface was patched flush with the surrounding grade. Samples were handled and labeled in a similar manner, as described above.

2.4 SOIL SCREENING AND SAMPLE ANALYSIS

Drill cuttings from the borings and excess soil from the sampling devices were carefully examined in the field and screened for indications of contamination, including, but not limited to, discoloration, excess moisture, and/or odors in ambient air. In addition, soil subsamples from the deep borings were screened for the possible presence of organic vapors using a calibrated photoionization detector (PID). The organic vapor screening process involved placing a soil subsample in a freezer bag, allowing organic vapors (if any) to equilibrate, and then screening the bag headspace for organic vapors using the PID. The soils encountered in the 15-foot borings were visually classified based on the Unified Soil Classification System and ASTM International Standard D2488 (ASTM, 2017) and recorded on field boring logs. No elevated PID readings were recorded in any of the 15 borings, nor were there any other indications of environmental impacts, such as discoloration or odors in ambient air. Transcribed versions of the field boring logs, which include schematics of the installed soil vapor probes, are presented in Appendix A to this report.

Avocet hand delivered the soil matrix samples to the Eurofins laboratory in Garden Grove on the day of collection. Eurofins analyzed selected soil matrix samples using one or more of the following standard EPA methods:

- VOCs, including fuel oxygenates, using EPA Method 5035/8260B
- TPH using EPA Method 8015B (modified) for carbon chain ranges C_6 to C_{44}
- Semivolatile organic compounds (SVOCs) using EPA Method 8270C
- Title 22 metals using EPA Method 6010B (mercury using EPA Method 7471A)
- Hexavalent chromium (CrVI) using EPA Method 7199
- PCBs using EPA Method 8082

In broad terms, all but a few of the 2- and 5-foot soil matrix samples from the 15-foot borings were analyzed for TPH and VOCs and selected 2- and 5-foot samples were analyzed for one or more of the additional compounds listed above, based on the target of the biased boring. In borings that targeted a subsurface feature, the deeper 10-foot sample was typically analyzed instead of the 2-foot sample. The 10-foot samples not selected for analysis and all of the 15-foot samples were placed on hold at the laboratory for possible future analysis. If the 2-, 5- and in some cases 10-foot soil matrix samples had contained elevated concentrations of one or more contaminant, the 10- and/or 15-foot samples from the same boring(s) would have been analyzed; however, no additional analyses were warranted. Similarly, all of the 0.5-foot sample from the 5-foot borings were analyzed for PCBs while the 2 and 5-foot samples were placed on hold. Based on the reported presence of PCBs in the 0.5-foot samples, the 2-foot and 5-foot samples from 2 of the 11 shallow soil borings were also analyzed for PCBs.

The results of the soil matrix sample analyses are summarized in Tables 1 through 5 and presented in full in the seven Eurofins laboratory reports in Appendix B. The Eurofins laboratory in Garden Grove is certified by the state of California for the analytical methods used.

2.5 Soil Vapor Probe Installation and Sampling

Following drilling and soil matrix sample collection, Strongarm installed dual-nested soil vapor probes in each of the 15-foot soil borings, as outlined below. The vapor probes were installed and sampled in general accordance with current California guidance for active soil vapor investigations (DTSC, et al., July 2015).

2.5.1 Probe Installation

To provide vertical concentration gradient data, nested probes were installed at nominal depths of 5 and 15 feet bgs in each of Borings MC-SV-1 through MC-SV-12. The soil vapor probes consist of a porous, 316-stainless steel tip with a 50-micron filtration rating, connected to ⅛-inch outside diameter Nylaflow® tubing extending approximately 2 feet above the ground surface. The porous tip is designed to be gas permeable while preventing the intrusion of fine-grained material that could potentially clog the Nylaflow® tubing. The probe tips were installed at the mid-point of a nominal 12-inch filter pack of clean No. 3 silica sand. The lower probes were isolated from the upper probes by dry granular bentonite hydrated in place in 6-inch lifts with potable water. The

annular space above the upper probe was sealed in a similar manner to the underside of the surrounding pavement. Each probe was completed at the surface with a gas-tight valve to prevent degassing. Vapor probes installed in high traffic areas were protected within 4-inch-diameter traffic-rated vaults set in concrete flush with the surrounding pavement. Elsewhere, the protruding probe tubing was coiled up inside a freezer bag, buried beneath approximately 6-inches of sand, and temporarily covered with an orange traffic cone.

2.5.2 Soil Vapor Sampling and Analysis

In accordance with current regulatory agency guidance (DTSC, et al., July 2015), probes installed in hand-augered borings must be allowed a minimum of 48 hours to equilibrate prior to being purged and sampled. After allowing well over 48 hours for equilibration, Avocet purged and sampled the 24 soil vapor probes (2 in each of 12 borings) on April 19 and 20, 2021. Avocet used a sampling pump to purge the probes of three "sample train volumes" at a rate of 200 milliliters per minute in accordance with current regulatory agency guidance (DTSC, et al., July 2015). Soil vapor samples were then collected from each of the depth-discrete probes in 1-liter, batch-certified SUMMA canisters. On completion of sampling, the SUMMA canisters were hand delivered to the Eurofins laboratory in Garden Grove, where they were analyzed for VOCs, including fuel oxygenates, using EPA Method TO-15. The results of the soil vapor sample analyses for VOCs are summarized in Table 6, and presented in full in the Eurofins laboratory reports in Appendix C.

2.5.3 Soil Vapor QA/QC

Quality assurance/quality control (QA/QC) measures associated with soil vapor sampling and analysis included the following:

- A shut-in test was conducted on each vapor probe to check for leaks in the aboveground sample train. For the shut-in test, the aboveground sample train was evacuated, using a syringe, to at least 100 inches of water with the block valves on the attached SUMMA canister and at the probe head closed. If a noticeable loss of vacuum had been observed, the sample train would have been reassembled and the test repeated; however, no significant loss of vacuum was observed in any of the probes.

- The use of 1,1-difluoroethane (1,1-DFA) as a leak detection compound (LDC) to verify the integrity of the sample train during sample collection. In brief, 1,1-DFA was applied to paper towels wrapped around the probe and the sample train during the sampling process and 1,1-DFA was included in the analytical suite as an indicator of the integrity of the probe and the sample train. 1,1-DFA was not reported in any of the 26 vapor samples and the soil vapor data are considered useable for decision-making in the context of divesting or repurposing the FDC.

- Duplicate soil vapor samples were collected from the 15-foot probes in Borings MC-SV-4 and MC-SV-6 as a check for sample homogeneity and laboratory precision. The duplicate samples were collected in parallel with the

primary soil vapor sample and handled in the same manner as the primary sample. The duplicate samples were analyzed for VOCs, including fuel oxygenates, using EPA Method TO-15. Data precision for the duplicate soil vapor samples is discussed further below.

- The SUMMA canisters and the associated flow regulators and pressure gauges were provided by Eurofins and were "batch-certified" as "clean" using EPA Method TO-15 certification criteria.

Two field duplicate soil vapor samples were analyzed for VOCs using EPA Method TO-15 to assess data precision. Pursuant to EPA guidance (EPA, June 2018), precision criteria for VOCs in nonaqueous samples may be evaluated in one of two ways based upon the analyte concentrations relative to their sample quantitation limit (SQL[5]), as follows:

- **Scenario 1** – Where concentrations of both the primary and duplicate samples are greater than or equal to 5 times the SQL, the relative percent difference (RPD) must be less than or equal to 50 percent.

- **Scenario 2** – Where one or both sample/duplicate concentrations is less than 5 times the SQL, the absolute difference must be lower than 4 times the SQL. If the SQLs for the primary and duplicate samples are not equal, the lower, more conservative SQL is used for comparison.

RPDs and absolute differences were calculated for the detectable VOCs, as summarized in Table 7. Based on those calculations and the above-described scenarios, the data from the primary and duplicate samples from Probe MC-SV-6 satisfied the precision criteria for Scenarios 1 and/or 2. In the primary and duplicate samples from Probe MC-SV-4, ethanol marginally exceeded the precision criteria; however, this minor exceedance is not considered indicative of a systematic precision issue. Nevertheless, the VOC concentrations reported in the 15-foot samples from Probe MC-SV-4 are considered estimates. As the precision criteria for most samples and analytes were acceptable, the soil vapor analytical data are considered sufficiently precise and useable for decision-making in the context of divesting or repurposing the FDC.

2.6 EQUIPMENT DECONTAMINATION AND QA/QC

Drilling, soil sampling, and related equipment was decontaminated as appropriate between borings and sampling attempts. Field equipment likely to come into contact with the soil matrix samples was cleaned in a solution of Alconox® and potable water. Cleaned equipment was double rinsed with potable water and given a final deionized or distilled water rinse. Wherever possible, dedicated and/or disposable equipment was used to minimize the potential for cross-contamination

[5] Note that the SQL, as defined by EPA, is the method detection limit corrected for sample dilution and other sample-specific adjustments (EPA, 1991). As such, the SQL can be considered synonymous to the RL.

between borings. The effectiveness of the cleaning process was assessed by collecting one equipment decontamination blank sample for each day of drilling and soil matrix sampling.

2.7 INVESTIGATION-DERIVED WASTE MANAGEMENT

IDW generated in the course of the subject Phase II investigation included concrete/asphalt cores, hand auger drill cuttings, and equipment decontamination rinsate. These solid and liquid wastes were combined and sealed in seven 55-gallon drums, which were labeled and placed in temporary storage in the MPO area. To profile the IDW for disposal purposes, Avocet collected a representative sample on April 8, 2021, and hand delivered it to the Eurofins laboratory in Garden Grove. Eurofins analyzed the IDW sample for TPH, VOCs, and Title 22 metals. Based on the results, which are included in Appendix E, the solid IDW appeared to be nonhazardous; however, as PCBs were reported in numerous soil samples from Borings SB-1 through SB-35, it was profiled by eWaste, Inc., of Newport Beach, California, as non-RCRA hazardous waste. eWaste, Inc. transported the IDW to the Environmental Waste Solutions facility in Parker, Arizona on May 20, 2021. A copy of the Uniform Hazardous Waste Manifest is included in Appendix E.

3.0 FINDINGS

This section presents the findings of the Phase II investigation in terms of lithologic conditions and the results of the analysis of the soil matrix and soil vapor samples from the 23 borings in the areas investigated.

3.1 LITHOLOGIC CONDITIONS

Consistent with the findings of previous investigations at the FDC facility, the native soils encountered in the Main Campus area are a mixture of poorly graded fine-grained sands, silts, and, to a lesser extent, clays. Groundwater was not encountered in any of the 15-foot borings.

3.2 TRANSFORMER VAULT BORINGS

A total of 33 soil matrix samples were collected from Borings TVB-1 through TVB-11, which targeted 11 transformer vaults located throughout the Main Campus area of the FDC. It should be noted that the subject Phase II investigation did not address the three existing oil-cooled transformer vaults, which may still contain PCBs, as confirmation soil samples will likely be required when the transformers are decommissioned, and the transformers could potentially leak in the future. Six of the transformer vaults (targeted by Borings TVB-5 through TVB-9) are approximately 10-foot square sheet metal structures and are located along covered breezeways that support overhead utility conduits. The remaining six transformer vaults are located throughout the Main Campus in areas such as the kitchen basement (Boring TVB-1), former laundry facility (Boring TVB-2), former main electrical room (Boring TVB-3), the central park area (Boring TVB-4), and the basement of the Receiving and Treatment building. (Borings TVB-10 and TVB-11). Three soil samples were collected from each TVB boring at 0.5, 2, and 5 feet bgs. The samples collected at 0.5 feet bgs were analyzed for PCBs using EPA Method 8082, while the 2- and 5-foot samples were placed on hold at the Eurofins laboratory. Based on the results of the 0.5-foot sample analyses, 2- and 5-foot samples from Borings TVB-1 and TVB-2 were also analyzed for PCBs. The results are summarized below and in Table 5 and are presented in full in the Eurofins laboratory reports in Appendix B. The results of the PCB analyses are also presented graphically in Figure 4.

Apart from in Borings TVB-1 and TVB-2 (Figure 4), no PCBs were detected in the 0.5foot soil matrix samples analyzed. The detection of PCB 1260 in the 0.5-foot samples from Borings TVB-1 and TVB-2 prompted analysis of the 2- and 5-foot soil samples from the same borings. The results of these analyses (Table 5) were as follows:

Summary of Detected PCB Concentrations (Units are micrograms per kilogram or µg/kg)				
Boring No.	**Sample Depth** (feet bgs)	**Location**	**PCB 1260**	**Other PCBs**
TVB-1	0.5	Kitchen basement	53	ND<50
	2.0		ND<50	ND<50
	5.0		ND<50	ND<50
TVB-2	0.5	Laundry (Vault 11)	20,000	ND<50
	2.0		210	ND<50
	5.0		3,500	ND<50
DTSC-Modified Screening Levels (DTSC-SLs)				
Residential			240	Varies
Commercial/Industrial			600	Varies

Orange shading indicates concentration exceeds commercial/industrial DTSC-SL

PCB-containing soil beneath the kitchen basement vault does not appear to extend vertically to 2 feet bgs, and the reported concentration of PCB 1260 is below the residential DTSC-SL. PCB 1260 concentrations in soil beneath Vault 12 in the laundry facility exceed the commercial/industrial DTSC-SL at 0.5 and 5.0 feet bgs, and the lateral and vertical extent of the impact are not defined. Avocet notes that the unique location of the transformer vault, below the raised foundation of the laundry facility and adjacent to the boiler room of the CPP, makes additional delineation difficult. On the other hand, there is little chance of current site occupants being directly exposed to PCB-impacted soil beneath the former laundry facility under current conditions. As such, it may be appropriate to schedule further delineation and/or remediation of the PCB-impacted soil to coincide with demolition of the CPP and laundry building during future redevelopment.

3.3 CPP AREA BORINGS

The CPP area is situated in the middle of the Main Campus, at the southern end of Gregory Way, and features the power plant, kitchen, warehouse, and laundry facility. Avocet drilled four biased soil borings targeting the former laundry facility (Boring MC-SV-1), the backup generator room in the power plant (Boring MC-SV-2), the warehouse (Boring MC-SV-5), and the kitchen (Boring MC-SV-6) to assess the potential impact of past and/or current operations, if any, on the subsurface environment. As surface spills were considered the most likely scenario, the 2- and 5-foot samples from all four borings were analyzed for TPH and VOCs. The results are summarized below and in Tables 1 and 2, and are presented in full in the Eurofins laboratory reports in Appendix B.

- TPH was reported in three of the eight soil matrix samples analyzed (Table 1), at concentrations ranging from 6.7 to 28 milligrams per kilogram (mg/kg). In the only sample in which the TPH concentration was high enough to speciate, the TPH was reported in the oil range, but the reported concentrations are well below the most conservative residential screening levels and are considered *de minimis*.

- Acetone was reported in seven of the eight samples analyzed (Table 2), at concentrations ranging from 22 to 69 micrograms per kilogram (µg/kg), but otherwise, no other VOCs were detected. Avocet notes that acetone is a common laboratory artifact, and as such, the reported concentrations are not considered to be representative of the subsurface environment.

3.4 FORMER AND EXISTING SUBSURFACE FEATURES

Former subsurface features within the Main Campus include one 20,000-gallon diesel and two 18,000-gallon fuel oil USTs, both of which were installed in the same location, and a 12,000-gallon diesel fuel UST for the CPP emergency generators. These former UST areas were targeted by Borings MC-SV-3 and MC-SV-4, respectively. The 5- and 10-foot samples from Borings MC-SV-3 and MC-SV-4 were analyzed for TPH and VOCs. The results are summarized below and in Tables 1 and 2 and are presented in full in the Eurofins laboratory reports in Appendix B.

- TPH was reported in three of the four soil matrix samples analyzed (Table 1), at concentrations ranging from 14 to 25 mg/kg. In the only sample in which the TPH concentration was high enough to speciate, the TPH was reported in the diesel and oil ranges, but the reported concentrations are well below the most conservative residential screening levels and are considered *de minimis*.

- Acetone was reported in three of the four samples analyzed (Table 2), at concentrations ranging from 24 to 150 µg/kg, but otherwise, no other VOCs were detected. As noted above, acetone is a common laboratory artifact, and no significance is attached to its reported presence.

3.5 UNBIASED BORINGS

A total of 24 soil matrix samples were collected from six unbiased borings (Borings MC-SV-7 through MC-SV-12) advanced to 15 feet bgs throughout the Main Campus area, primarily in the dormitory area, to provide spatial coverage. As surface spills were considered the most likely scenario, combinations of the 2-, 5-, and 10-foot samples from Borings MC-SV-7 through MC-SV-12 were analyzed for TPH, VOCs, SVOCs, Title 22 metals, and PCBs. The results are summarized in Tables 1 through 5 and are presented in full in the Eurofins laboratory reports in Appendix B.

- TPH was reported in 4 of the 12 samples analyzed, at concentrations ranging from 9 to 20 mg/kg. The TPH was reported in the diesel and oil ranges but the reported concentrations are well below the most conservative residential screening levels and are considered *de minimis*.

- Acetone was reported in three of the four samples analyzed (Table 2), at concentrations ranging from 24 to 150 µg/kg, but otherwise, no other VOCs were

detected. As noted above, acetone is a common laboratory artifact, and no significance is attached to its reported presence.

- Apart from acetone, a common laboratory artifact, that was reported in 7 of the 12 samples analyzed, at concentrations ranging from 19 to 100 µg/kg, the only VOC detections were of benzene and toluene in a single sample. Specifically, benzene and toluene were detected in the 5-foot samples from Boring MC-SV-7 at concentrations of 4.9 and 3.8 µg/kg, respectively. The reported benzene and toluene concentrations are orders of magnitude below the most conservative residential screening levels and are considered *di minimis*.

- Low but detectable concentrations of 1 or more of 11 SVOCs were detected in 7 of the 12 unbiased soil samples analyzed (Table 3), as follows:

SVOCs in Unbiased Soil Samples
(Units are micrograms per cubic meter or mg/kg)

Compound	Detection Frequency	Concentration Range
Benzo[a]anthracene	1/7	0.012
Benzo[a]pyrene	1/7	0.01
Chrysene	1/7	0.012
Fluoranthene	2/7	0.011 & 0.02
Hexachloroethane	1/7	0.01
Naphthalene	2/7	0.014 & 0.03
Perthane	4/7	0.012 - 0.04
Phenanthrene	1/7	0.011
Phenol	1/7	0.01
Pyrene	2/7	0.011 & 0.023
Pyridine	1/7	0.013

- The above-listed SVOCs were detected in the 2-, 5-, and/or 10-foot samples from Borings MC-SV-8, MC-SV-10, MC-SV-11, and MC-SV-12, the latter three of which are located in the western portion of the Main Campus. Most, if not all, of the reported SVOC concentrations were only marginally above the method Reporting Limits (RLs) and were lower, often by several orders of magnitude, than potentially relevant and applicable screening levels. As such, the reported SVOC concentrations are not considered significant.

- Naturally occurring Title 22 metals were reported in all 12 of the soil matrix samples analyzed (Table 4); however, the reported concentrations were well below potentially applicable screening levels or, for arsenic, were within the accepted background range for soils in southern California.

- None of the 12 soil matrix samples from Borings MC-SV-7 through MC-SV-12 contained detectable concentrations of any PCBs (Table 5).

3.6 VOCs IN SOIL VAPOR AND VAPOR INTRUSION ASSESSMENT

A total of 26 soil vapor samples from 12 nested probes were analyzed for VOCs, including fuel oxygenates, using EPA Method TO-15. Consistent with the extremely low RLs achievable using EPA Method TO-15, all but 2 of the 26 soil vapor samples contained detectable concentrations of 2 or more of 14 VOCs (Table 6), as follows:

VOCs in Soil Vapor Samples
(Units are micrograms per cubic meter or µg/m^3)

Compound	Detection Frequency	Concentration Range	
		5 feet bgs	15 feet bgs
Acetone	24/26	5.5 - 34	7.9 - 35
2-Butanone	6/26	7.4 - 11	4.9 - 14
Chloroform	4/26	7.2 - 15	2.8 - 6.7
Dichlorodifluoromethane	3/26	2.5	2.9 - 3.1
Ethylbenzene	1/26	Not detected	4.3
Isopropanol	14/26	14 - 53	19 - 71
tert-Butyl alcohol (TBA)	1/26	Not detected	14
Tetrachloroethene (PCE)	14/26	5.8 - 410	3.7 - 42
Toluene	11/26	2.7 – 5.9	4 - 17
Trichloroethene (TCE)	1/26	65	Not detected
Trichlorofluoromethane (Freon-11)	19/26	8 - 270	18 - 480
1,2,4-Trimethylbenzene	1/26	Not detected	7.6
m & p-Xylene	1/26	Not detected	18
o-Xylene	4/26	3.9	3.6 – 7.6

As indicated above, and excluding acetone, 2-butanone, and isopropanol, all of which are common laboratory artifacts, tetrachloroethylene (PCE) and trichlorofluoromethane (Freon-11) were the most prevalent VOCs in soil vapor collected at the site. The distributions of PCE and Freon-11 in soil vapor in the Main Campus area are presented graphically in Figure 5, with exceedances of SFBRWQCB residential and commercial/industrial ESLs highlighted. PCE isoconcentration contours[6] for the entire FDC site are presented in Figure 6. Freon-11 is or was a common refrigerant and its presence may be related to large refrigeration units in the kitchen facility; however, the reported concentrations in soil vapor are well below the residential DTSC-SL for indoor air. Several of the reported PCE concentrations in soil vapor exceeded the SFBRWQCB residential ESL, and one, in the 5-foot sample from Boring MC-SV-10 outside one of the dormitories, exceeded the SFBRWQCB commercial/industrial ESL As shown in Figure 6, elevated PCE concentrations in soil vapor were generally limited to the MPO and CPP areas, although PCE is not known to have been used historically nor was it detected in the numerous soil samples collected in both areas. As shown by the 5- and 15-foot isoconcentration contours in

[6] The PCE isoconcentration lines in Figure 6 were generated using contouring software and logarithmic interpolation, with only minimal refinement by hand.

Figure 6, the lateral extent of PCE in soil vapor at the MPO area is not defined to the north; however, PCE in the Main Campus area is more or less centered on the CPP area.

To assess the potential significance of the VOCs in soil vapor on workers at the site and residents at the site or in the surrounding Harbor Village Apartment complex, Avocet applied "default" attenuation factors to the highest concentration of each detected VOC in soil vapor, regardless of location, and compared the resulting hypothetical indoor air VOC concentrations to the corresponding SFBRWQCB ESLs; DTSC-SLs, and EPA RSLs. California recently adopted the very conservative EPA default attenuation factor of 0.03 (EPA, June 2015), which Avocet understands is based, in large part, on vapor intrusion into residences with basements in a few areas of the country. Prior to California adopting the EPA default attenuation factor of 0.03, the DTSC default attenuation factors for existing and new commercial buildings were 0.001 and 0.0005, respectively (DTSC, October 2011). Using default attenuation factors of 0.03, 0.001, and 0.0005, Avocet calculated hypothetical VOC concentrations in indoor air. The hypothetical VOC concentrations in indoor air are presented in Table 7, along with relevant screening criteria for commercial/industrial and residential indoor air. The findings of the preliminary vapor intrusion assessment are as follows:

- Applying the DTSC default attenuation factor of 0.0005 for future buildings and the more conservative DTSC default attenuation factor of 0.001 for existing buildings to the highest VOC concentrations reported in soil vapor, the hypothetical indoor air concentrations were lower, often by orders of magnitude, than the corresponding commercial/industrial and residential screening levels.

- Applying the very conservative EPA attenuation factor of 0.03, the hypothetical PCE concentration in indoor air exceeds the residential SFBRWQCB ESL, DTSC-SL, and EPA RSL, as well as the commercial/industrial SFBRWQCB ESL and DTSC-SL; however, it is below the commercial/industrial EPA RSL.

- Applying the very conservative EPA attenuation factor of 0.03 to the highest reported chloroform and trichloroethylene (TCE) concentrations in soil vapor results in hypothetical indoor air concentrations that exceed the residential SFBRWQCB ESL and EPA-RSL.

4.0 SUMMARY AND CONCLUSIONS

Subsurface environmental conditions in the Main Campus area have been comprehensively investigated via the analysis of soil matrix and soil vapor samples from 6 borings in the CPP area completed with nested soil vapor probes at 5 and 15 feet bgs; soil matrix samples from 11 soil borings installed in existing transformer vaults to 5 feet bgs; and soil matrix and soil vapor samples from 6 unbiased borings completed with nested soil vapor probes at 5 and 15 feet bgs. The biased borings were targeted at specific features or areas where hazardous substances are known or suspected to have been used or stored, with soil samples analyzed for TPH and VOCs. Soil vapor samples from both the biased and unbiased borings were analyzed for VOCs. The biased shallow soil samples were to assess potential releases of PCBs from transformer vaults and were analyzed for PCBs only. The unbiased borings were not targeted at specific features, instead their locations were selected in order to acquire data in a more comprehensive manner, with soil samples analyzed for TPH, VOCs, SVOCs, PCBs, and/or Title 22 metals.

4.1 PHASE II FINDINGS SUMMARY

The findings of the Phase II investigation in the Main Campus area are summarized below in terms of vadose zone soil types and the presence or absence of the various contaminants analyzed in soil and soil vapor.

- The FDC is underlain by a mixture of poorly graded fine-grained sands, silts, and, to a lesser extent, clays, and groundwater was not encountered within 15 feet of the ground surface.

- Soil beneath the site contains naturally occurring metals at background concentrations and locally contains traces of TPH, VOCs, and SVOCs at concentrations well below residential screening levels.

- PCB 1260 was detected in the 0.5-foot soil sample from Boring TVB-1 in the kitchen basement, and in the 0.5-, 2.0-, and 5.0-foot samples from Boring TVB-2 located adjacent to Vault 11 in the laundry facility. PCB-containing soil beneath the kitchen basement does not appear to extend vertically to 2 feet bgs, and the reported concentration of PCB 1260 is below the residential DTSC-SL. PCB 1260 concentrations in soil beneath Vault 12 in the laundry facility exceed the commercial/industrial DTSC-SL at 0.5 and 5.0 feet bgs, and the lateral and vertical extent of the impact is not defined.

- Consistent with the very low RLs achievable using EPA Method TO-15, soil vapor beneath the site contains a large number of VOCs, including PCE and Freon-11, which were reported in a majority of the samples analyzed. The reported Freon-11 concentrations in soil vapor are well below the residential DTSC-SL for indoor air; however, several of the reported PCE concentrations in soil vapor exceeded the SFBRWQCB residential ESL, and one, in the 5-foot sample from Boring

MC-SV-10 outside one of the dormitories, exceeded the SFBRWQCB commercial/industrial ESL. A preliminary and conservative vapor intrusion assessment, based on applying default attenuation factors to the maximum VOC concentrations in soil vapor, indicates that the hypothetical concentrations of PCE, TCE, and chloroform in indoor air could exceed potentially applicable screening levels.

4.2 RECs, HRECs, AND OEFs

Based on the findings of the Phase II site investigation documented herein, Avocet has revisited and, in some cases, recategorized the REC, HRECs, and OEFs in the Main Campus area identified in Avocet's Phase I ESA for the FDC:

- **REC 1 – PCB Releases in Electrical Vaults.** Transformers and other electrical equipment known to have contained PCBs were installed in aboveground and subsurface vaults located throughout the FDC. To investigate possible PCB impacts, Avocet collected and analyzed soil matrix samples from a single 5-foot boring located within each of 11 vaults. No PCBs were detected in the soil samples collected from 9 of the 11 vaults, and the reported concentration of PCB 1260 in 10th was not significant. As such, possible PCB releases in Vaults 2, 4, 5, 8, 9, and 10 and the vaults located in basement of the kitchen (Vault 11) and the Receiving and Treatment building (Rooms 105 and 114) are now considered OEFs, instead of a REC. However, soil samples collected from Vault 12 in the laundry facility contained PCB 1260 at concentrations above commercial/industrial screening levels at 0.5 and 5 feet bgs, and the lateral and vertical extent of the impacted soil is not defined. As such, PCB releases from Vault 12 remain a REC for the site, but direct exposure is unlikely and additional delineation and/or remediation may not be practical until the laundry facility is demolished. Avocet notes that soil beneath existing oil-cooled electrical equipment in Vaults 3, 6, and 13 was not included in the subject Phase II investigation scope of work, as the transformers could leak in the future and decommissioning the equipment will likely involve confirmation soil sampling.

- **HREC 8 – Former 18,000-Gallon Fuel Oil USTs.** Two 18,000-gallon USTs were installed at the FDC in 1955 to store backup fuel for the natural-gas-fired boilers in the CPP. The 18,000-gallon USTs were permanently closed by removal, with oversight from OCHCA, in May 1992 and were replaced with a single 20,000-gallon diesel UST at the same location. The analysis of soil and soil vapor samples from Boring MC-SV-3 indicates that the impact, if any, on the subsurface environment has been negligible, and as such, the former 18,000-gallon fuel oil USTs remain an HREC.

- **HREC 10 – Former 12,000-Gallon Diesel UST.** In 1975, FDC installed a 12,000-gallon UST for diesel fuel for an emergency electrical generator system at

the CPP. In June 1999, the 12,000-gallon diesel UST was permanently closed by removal, with OCHCA oversight, although much of the associated subsurface piping was left in place as it was too difficult to remove because of utility line conflicts. The analysis of soil and soil vapor samples from Boring MC-SV-2 indicates that the impact, if any, on the subsurface environment has been negligible, and as such, the former 12,000-gallon diesel UST remains an HREC.

- **HREC 11 – Former 20,000-Gallon Diesel UST.** The double-walled 20,000-gallon diesel UST installed in 1992 to replace the original 18,000-gallon fuel oil USTs (HREC 8) for the CPP boilers was itself permanently closed by removal in January 2005. The analysis of soil and soil vapor samples from Boring MC-SV-3 indicate that the impact, if any, on the subsurface environment has been negligible. and as such, the former 20,000-gallon diesel UST remains an HREC.

- **HREC 12 – Soil Impacts in CMCC Encroachment Area.** CMCC equipment and vehicle maintenance activities, such as oil changes, resulted in near-surface soil impacts involving petroleum hydrocarbons inside the southern boundary of the FDC. The scope of work for the subject investigation did not include soil or soil vapor sampling in the CMCC encroachment area; therefore, soil impacts in the CMCC encroachment area remain an HREC.

- **OEF 13 – Existing Electrical Equipment in Vaults 3, 6, & 13.** Antiquated oil-cooled transformers potentially containing PCBs are still in operation in Vaults 3, 6, and 13. The subject investigation did not include soil or soil vapor sampling in Vaults 3, 6, and 13; therefore, possible soil impacts beneath Vaults 3, 6, and 13 remain an OEF.

- **OEF 14 – Rooftop Transformer Vault.** Construction documents provided by DGS indicate that a transformer vault on the roof of the Ward E building originally housed an oil-cooled, possibly PCB-containing, transformer as well as other PCB-containing electrical equipment, including OFCs. While the construction documents indicate that the PCB-containing OFCs were removed in the early 1990s, it is not known if the original oil-cooled transformer remains in place. The subject investigation did not include investigation of the transformer vault; therefore, the rooftop transformer vault remains an OEF.

- **OEF 15 - ACMs, LBP, and Universal Wastes.** Consistent with being built in the late 1950s, ACMs have been documented in certain of the buildings at the FDC, notably in such things as thermal system insulation in the CPP, and ACMs are likely present in such things as vinyl floor tile and mastic, roofing materials, and the like. As the ACMs, LBPs, and universal wastes were not within the scope of the Phase II investigation, they remain an OEF for the site.

- **OEF 16 – Abandoned Exploratory Borings.** According to records available online, Chevron U.S.A., Inc. drilled three "geophysical prospect" borings within the FDC boundary in 1947. Identified as Chevron NC-110, NC-112, and NC-114, the three borings were advanced to total depths of 785, 680, and 1,175 feet bgs, respectively. As the exact locations of the three abandoned exploratory borings are unknown, and any surface indications of the borehole locations have long since been obliterated, investigation of the abandoned borings is not currently feasible and was not within the scope of the Phase II investigation. As such, the abandoned exploratory borings remain an OEF for the site.

- **OEF 17 – Swimming Pool Chemical Storage.** In the past, swimming pool water was conditioned using hydrochloric acid and sodium hypochlorite stored in ASTs in two separate sheds. Sodium bicarbonate was also previously stored in bags and 5-gallon pails in the pool equipment room. Most, if not all, of these pool chemicals have been removed; however, the AST storage sheds are still in place. As the storage sheds have not yet been removed from the site, the subject investigation did not include inspection of the underlying soil; therefore, the swimming pool chemical storage remains an OEF.

Avocet recommends that soil disturbed during future demolition or grading work in the vicinity of the above-outlined RECs, HRECs, and newly established/existing OEFs be carefully screened and suspected impacts, if any, evaluated to determine appropriate handling and disposal methods and whether additional investigation may be warranted.

Respectfully submitted,

AVOCET ENVIRONMENTAL, INC.



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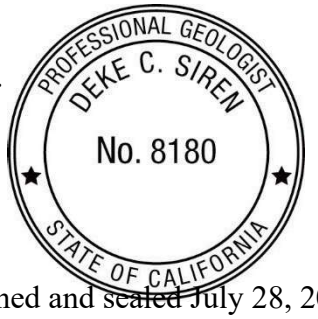

Signed and sealed July 28, 2021

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Tables

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Table 1
TPH in Soil Samples
Fairview Developmental Center Main Campus Phase II
Costa Mesa, California

Boring No.	Sample Depth (feet bgs)	Sample Date	C_6	C_7	C_8	C_9-C_{10}	C_{11}-C_{12}	C_{13}-C_{14}	C_{15}-C_{16}	C_{17}-C_{18}	C_{19}-C_{20}	C_{21}-C_{22}	C_{23}-C_{24}	C_{25}-C_{28}	C_{29}-C_{32}	C_{33}-C_{36}	C_{37}-C_{40}	C_{41}-C_{44}	C_6-C_{44} Total	C_{10}-C_{28} DRO	Calculated Values		
			Gasoline Range Organics (GRO, C6 - C12)																		GRO (C_6 - C_{12})	DRO (C_{10} - C_{28})	ORO (C_{20} - C_{35})
								Diesel Range Organics (DRO, C10 - C28)														
														Oil Range Organics (ORO, C20 - C35)									
Kitchen, Warehouse, and Laundry Borings																							
MC-SV-1	2	11/25/20	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	**6.4**	**7**	**7.2**	**6.6**	**28**	- -	<5.1	<5.1	**13.4**
	5	11/25/20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	**6.7**	- -	<5	<5	<5
MC-SV-2	2	11/24/20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	5	11/24/20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MC-SV-5	2	11/24/20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	5	11/24/20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MC-SV-6	2	11/23/20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	**11**	**6**	<5	<5	<5
	5	11/23/20	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9
Former Subsurface Features																							
MC-SV-3	5	11/23/20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	**14**	**13**	<5	<5	<5
	10	11/23/20	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	**5.9**	**6.1**	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	**25**	**18**	<5.1	**12**	**12**
MC-SV-4	5	11/24/20	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9
	10	11/25/20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	**15**	- -	<5	<5	<5
Unbiased Borings																							
MC-SV-7	2	11/30/20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	- -	<5	<5	<5
	5	11/30/20	<5	<5	<5	<5	<5	<5	<5	**5.8**	**5.8**	**7.2**	<5	<5	<5	<5	<5	<5	**9**	- -	<5	**18.8**	**13**
MC-SV-8	2	11/25/20	<5	<5	<5	<5	<5	<5	<5	**5.9**	**6**	**7.2**	<5	<5	<5	<5	<5	<5	**20**	- -	<5	**19.1**	**13.2**
	5	11/25/20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	- -	<5	<5	<5
MC-SV-9	2	11/30/20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	- -	<5	<5	<5
	5	11/30/20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	- -	<5	<5	<5
MC-SV-10	2	11/30/20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	- -	<5	<5	<5
	5	11/30/20	<5	<5	<5	<5	<5	<5	<5	**6.3**	**6.4**	**7.9**	<5	<5	<5	<5	<5	<5	**9.2**	- -	<5	**20.6**	**14.3**
MC-SV-11	2	11/23/20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	10	11/23/20	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9
MC-SV-12	2	11/30/20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	**5.1**	**9.2**	**8.9**	**7.1**	<5	**11**	- -	<5	**5.1**	**23.2**
	5	11/30/20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	- -	<5	<5	<5
Screening Criteria																							
ESL (Residential)			- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	430	260	12,000
ESL (Industrial)			- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	2,000	1,200	180,000
ESL (Construction Worker)			- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	1,800	1,100	54,000

Notes:
Samples analyzed using EPA Method 8015B
Units are milligrams per kilogram (mg/kg)
bgs = below ground surface
< Denotes nondetected at the Reporting Limit indicated
Bold type indicates reported at detectable concentration
ESLs = Environmental Screening Levels after San Francisco Bay Rgional Water Quality Control Board, July 2019

AVOCET ENVIRONMENTAL, INC.

Table 2
VOCs in Soil Samples
Fairview Developmental Center Main Campus Phase I
Costa Mesa, California

Boring No.	Sample Depth (feet bgs)	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane
Kitchen, Warehouse, and Laundry Borings																			
MC-SV-1	2	11/25/20	<0.93	<0.93	<1.9	<9.3	<0.93	<0.93	<0.93	<1.9	<1.9	<1.9	<1.9	<1.9	<9.3	<0.93	<0.93	<0.93	<0.93
	5	11/25/20	<1	<1	<2	<10	<1	<1	<1	<2	<2	<2	<2	<2	<10	<1	<1	<1	<1
MC-SV-2	2	11/24/20	<1.1	<1.1	<2.1	<11	<1.1	<1.1	<1.1	<2.1	<2.1	<2.1	<2.1	<2.1	<11	<1.1	<1.1	<1.1	<1.1
	5	11/24/20	<1	<1	<2	<10	<1	<1	<1	<2	<2	<2	<2	<2	<10	<1	<1	<1	<1
MC-SV-5	2	11/24/20	<0.91	<0.91	<1.8	<9.1	<0.91	<0.91	<0.91	<1.8	<1.8	<1.8	<1.8	<1.8	<9.1	<0.91	<0.91	<0.91	<0.91
	5	11/24/20	<1.2	<1.2	<2.4	<12	<1.2	<1.2	<1.2	<2.4	<2.4	<2.4	<2.4	<2.4	<12	<1.2	<1.2	<1.2	<1.2
MC-SV-6	2	11/23/20	<0.79	<0.79	<1.6	<7.9 *	<0.79	<0.79	<0.79	<1.6	<1.6	<1.6	<1.6	<1.6	<7.9	<0.79	<0.79	<0.79	<0.79
	5	11/23/20	<1	<1	<2.1	<10 *	<1	<1	<1	<2.1	<2.1	<2.1	<2.1	<2.1	<10	<1	<1	<1	<1
Former Subsurface Features																			
MC-SV-3	5	11/23/20	<0.91	<0.91	<1.8	<9.1 *	<0.91	<0.91	<0.91	<1.8	<1.8	<1.8	<1.8	<1.8	<9.1	<0.91	<0.91	<0.91	<0.91
	10	11/23/20	<1.1	<1.1	<2.3	<11 *	<1.1	<1.1	<1.1	<2.3	<2.3	<2.3	<2.3	<2.3	<11	<1.1	<1.1	<1.1	<1.1
MC-SV-4	5	11/24/20	<1.7	<1.7	<3.5	<17	<1.7	<1.7	<1.7	<3.5	<3.5	<3.5	<3.5	<3.5	<17	<1.7	<1.7	<1.7	<1.7
	10	11/25/20	<1.2	<1.2	<2.3	<12	<1.2	<1.2	<1.2	<2.3	<2.3	<2.3	<2.3	<2.3	<12	<1.2	<1.2	<1.2	<1.2
Unbiased Borings																			
MC-SV-7	2	11/30/20	<1.1	<1.1	<2.2	<11	<1.1	<1.1	<1.1	<2.2	<2.2	<2.2	<2.2	<2.2	<11	<1.1	<1.1	<1.1	<1.1
	5	11/30/20	<0.82	<0.82	<1.6	<8.2	<0.82	<0.82	<0.82	<1.6	<1.6	<1.6	<1.6	<1.6	<8.2	<0.82	<0.82	<0.82	<0.82
MC-SV-8	2	11/25/20	<1.1	<1.1	<2.2	<11	<1.1	<1.1	<1.1	<2.2	<2.2	<2.2	<2.2	<2.2	<11	<1.1	<1.1	<1.1	<1.1
	5	11/25/20	<0.95	<0.95	<1.9	<9.5	<0.95	<0.95	<0.95	<1.9	<1.9	<1.9	<1.9	<1.9	<9.5	<0.95	<0.95	<0.95	<0.95
MC-SV-9	2	11/30/20	<0.9	<0.9	<1.8	<9	<0.9	<0.9	<0.9	<1.8	<1.8	<1.8	<1.8	<1.8	<9	<0.9	<0.9	<0.9	<0.9
	5	11/30/20	<0.81	<0.81	<1.6	<8.1	<0.81	<0.81	<0.81	<1.6	<1.6	<1.6	<1.6	<1.6	<8.1	<0.81	<0.81	<0.81	<0.81
MC-SV-10	2	11/30/20	<1.1	<1.1	<2.1	<11	<1.1	<1.1	<1.1	<2.1	<2.1	<2.1	<2.1	<2.1	<11	<1.1	<1.1	<1.1	<1.1
	5	11/30/20	<0.91	<0.91	<1.8	<9.1	<0.91	<0.91	<0.91	<1.8	<1.8	<1.8	<1.8	<1.8	<9.1	<0.91	<0.91	<0.91	<0.91
MC-SV-11	2	11/23/20	<1.1	<1.1	<2.1	<11 *	<1.1	<1.1	<1.1	<2.1	<2.1	<2.1	<2.1	<2.1	<11	<1.1	<1.1	<1.1	<1.1
	10	11/23/20	<1.5	<1.5	<2.9	<15 *	<1.5	<1.5	<1.5	<2.9	<2.9	<2.9	<2.9	<2.9	<15	<1.5	<1.5	<1.5	<1.5
MC-SV-12	2	11/30/20	<1.2	<1.2	<2.5	<12	<1.2	<1.2	<1.2	<2.5	<2.5	<2.5	<2.5	<2.5	<12	<1.2	<1.2	<1.2	<1.2
	5	11/30/20	<0.89	<0.89	<1.8	<8.9	<0.89	<0.89	<0.89	<1.8	<1.8	<1.8	<1.8	<1.8	<8.9	<0.89	<0.89	<0.89	<0.89
Equipment Blank Water Sample (Units are µg/L)																			
EB_20201123		11/23/20	<2	<1	<1	<10	<1	<1	<1	<1	<1	<5	<1	<1	<10	<1	<1	<0.5	<1
EB_20201124		11/24/20	<2	<1	<1	<10	<1	<1	<1	<1	<1	<5	<1	<1	<10	<1	<1	<0.5	<1
EB_20201125		11/25/20	<2	<1	<1	<10	<1	<1	<1	<1	<1	<5	<1	<1	<10	<1	<1	<0.5	<1
EB_20201130		11/30/20	<2	<1	<1	<10	<1	<1	<1	<1	<1	<5	<1	<1	<10	<1	<1	<0.5	<1
Trip Blank Water Sample (Units are µg/L)																			
TB_20201123		11/23/20	<2	<1	<1	<10	<1	<1	<1	<1	<1	<5	<1	<1	<10	<1	<1	<0.5	<1
TB_20201124		11/24/20	<2	<1	<1	<10	<1	<1	<1	<1	<1	<5	<1	<1	<10	<1	<1	<0.5	<1
TB_20201125		11/25/20	<2	<1	<1	<10	<1	<1	<1	<1	<1	<5	<1	<1	<10	<1	<1	<0.5	<1
TB_20201130		11/30/20	<2	<1	<1	<10	<1	<1	<1	<1	<1	<5	<1	<1	<10	<1	<1	<0.5	<1
Screening Criteria																			
DTSC-SLs (Residential)			2,000	1,700,000	600	- -	- -	3,600	83,000	- -	40,000	1.5	7,800	- -	4.3	36	- -	- -	- -
DTSC-SLs (Industrial)			8,800	7,200,000	2,700	- -	- -	16,000	350,000	- -	300,000	21	35,000	- -	57	160	- -	- -	- -
ESL (Residential)			2,000	1,700,000	610	- -	1,200	3,600	83,000	- -	- -	23	24,000	- -	- -	36	1,800,000	470	1,000
ESL (Industrial)			8,900	7,300,000	2,700	- -	5,100	16,000	350,000	- -	- -	110	110,000	- -	- -	160	9,400,000	2,100	4,400
ESL (Construction Worker)			190,000	7,200,000	49,000	- -	110,000	370,000	350,000	- -	- -	830	850,000	- -	- -	3,300	7,800,000	45,000	99,000
RSLs (Residential)			2,000	8,100,000	600	6,700,000	1,100	3,600	230,000	- -	63,000	5.1	24,000	300,000	5.3	36	1,800,000	460	2,500
RSLs (Industrial)			8,800	36,000,000	2,700	28,000,000	5,000	16,000	1,000,000	- -	930,000	110	110,000	1,800,000	64	160	9,300,000	2,000	11,000

Notes:
Samples analyzed using EPA Method 8260B
Units are micrograms per kilogram (µg/kg) except for Trip and Equipment Blank water samples, which are micrograms per liter (µg/L)
bgs = below ground surface
< Denotes nondetected at the Reporting Limit (RL) indicated
Bold type indicates reported at detectable concentration
* indicates LCS or LCSD is outside acceptance limits.
- - Denotes not available
DTSC-SLs = DTSC-modified Screening Levels after HERO HHRA Note Number 3, June 2020
ESLs = Environmental Screening Levels after San Francisco Bay Regional Water Quality Control Board, July 2019
RSLs = Regional Screening Levels after EPA, May 2021

AVOCET ENVIRONMENTAL, INC.

Boring No.	Sample Depth (feet bgs)	Sample Date	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-Pentanone	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon Disulfide
Kitchen, Warehouse, and Laundry Borings																				
MC-SV-1	2	11/25/20	<1.9	<0.93	<0.93	<0.93	<4.6	<19	<0.93	<19	<0.93	<19	**26**	<0.93	<0.93	<1.9	<0.93	<4.6	<19	<9.3
	5	11/25/20	<2	<1	<1	<1	<5.1	<20	<1	<20	<1	<20	**37**	<1	<1	<2	<1	<5.1	<20	<10
MC-SV-2	2	11/24/20	<2.1	<1.1	<1.1	<1.1	<5.3	<21	<1.1	<21	<1.1	<21	**69**	<1.1	<1.1	<2.1	<1.1	<5.3	<21	<11
	5	11/24/20	<2	<1	<1	<1	<5	<20	<1	<20	<1	<20	<20	<1	<1	<2	<1	<5	<20	<10
MC-SV-5	2	11/24/20	<1.8	<0.91	<0.91	<0.91	<4.6	<18	<0.91	<18	<0.91	<18	**42**	<0.91	<0.91	<1.8	<0.91	<4.6	<18	<9.1
	5	11/24/20	<2.4	<1.2	<1.2	<1.2	<6.1	<24	<1.2	<24	<1.2	<24	**30**	<1.2	<1.2	<2.4	<1.2	<6.1	<24	<12
MC-SV-6	2	11/23/20	<1.6	<0.79	<0.79	<0.79	<3.9	<16	<0.79	<16	<0.79	<16	**29**	<0.79	<0.79	<1.6	<0.79	<3.9	<16	<7.9
	5	11/23/20	<2.1	<1	<1	<1	<5.2	<21	<1	<21	<1	<21	**22**	<1	<1	<2.1	<1	<5.2	<21	<10
Former Subsurface Features																				
MC-SV-3	5	11/23/20	<1.8	<0.91	<0.91	<0.91	<4.6	<18	<0.91	<18	<0.91	<18	<18	<0.91	<0.91	<1.8	<0.91	<4.6	<18	<9.1
	10	11/23/20	<2.3	<1.1	<1.1	<1.1	<5.7	<23	<1.1	<23	<1.1	<23	**24**	<1.1	<1.1	<2.3	<1.1	<5.7	<23	<11
MC-SV-4	5	11/24/20	<3.5	<1.7	<1.7	<1.7	<8.7	<35	<1.7	<35	<1.7	<35	**150**	<1.7	<1.7	<3.5	<1.7	<8.7	<35	<17
	10	11/25/20	<2.3	<1.2	<1.2	<1.2	<5.9	<23	<1.2	<23	<1.2	<23	**46**	<1.2	<1.2	<2.3	<1.2	<5.9	<23	<12
Unbiased Borings																				
MC-SV-7	2	11/30/20	<2.2	<1.1	<1.1	<1.1	<5.4	<22	<1.1	<22	<1.1	<22	**55**	<1.1	<1.1	<2.2	<1.1	<5.4	<22	<11
	5	11/30/20	<1.6	<0.82	<0.82	<0.82	<4.1	<16	<0.82	<16	<0.82	<16	<16	**4.9**	<0.82	<1.6	<0.82	<4.1	<16	<8.2
MC-SV-8	2	11/25/20	<2.2	<1.1	<1.1	<1.1	<5.5	<22	<1.1	<22	<1.1	<22	**100**	<1.1	<1.1	<2.2	<1.1	<5.5	<22	<11
	5	11/25/20	<1.9	<0.95	<0.95	<0.95	<4.7	<19	<0.95	<19	<0.95	<19	**19**	<0.95	<0.95	<1.9	<0.95	<4.7	<19	<9.5
MC-SV-9	2	11/30/20	<1.8	<0.9	<0.9	<0.9	<4.5	<18	<0.9	<18	<0.9	<18	**59**	<0.9	<0.9	<1.8	<0.9	<4.5	<18	<9
	5	11/30/20	<1.6	<0.81	<0.81	<0.81	<4.1	<16	<0.81	<16	<0.81	<16	<16	<0.81	<0.81	<1.6	<0.81	<4.1	<16	<8.1
MC-SV-10	2	11/30/20	<2.1	<1.1	<1.1	<1.1	<5.3	<21	<1.1	<21	<1.1	<21	**37**	<1.1	<1.1	<2.1	<1.1	<5.3	<21	<11
	5	11/30/20	<1.8	<0.91	<0.91	<0.91	<4.5	<18	<0.91	<18	<0.91	<18	**25**	<0.91	<0.91	<1.8	<0.91	<4.5	<18	<9.1
MC-SV-11	2	11/23/20	<2.1	<1.1	<1.1	<1.1	<5.3	<21	<1.1	<21	<1.1	<21	<21	<1.1	<1.1	<2.1	<1.1	<5.3	<21	<11
	10	11/23/20	<2.9	<1.5	<1.5	<1.5	<7.3	<29	<1.5	<29	<1.5	<29	<29	<1.5	<1.5	<2.9	<1.5	<7.3	<29	<15
MC-SV-12	2	11/30/20	<2.5	<1.2	<1.2	<1.2	<6.2	<25	<1.2	<25	<1.2	<25	**31**	<1.2	<1.2	<2.5	<1.2	<6.2	<25	<12
	5	11/30/20	<1.8	<0.89	<0.89	<0.89	<4.4	<18	<0.89	<18	<0.89	<18	<18	<0.89	<0.89	<1.8	<0.89	<4.4	<18	<8.9
Equipment Blank Water Sample (Units are µg/L)																				
EB_20201123		11/23/20	<1	<1	<1	<1	<1	<20	<1	<10	<1	<10	<20	<0.5	<1	<2	<1	<5 *	<25	<10
EB_20201124		11/24/20	<1	<1	<1	<1	<1	<20	<1	<10	<1	<10	<20	<0.5	<1	<2	<1	<5	<25	<10
EB_20201125		11/25/20	<1	<1	<1	<1	<1	<20	<1	<10	<1	<10	<20	<0.5	<1	<2	<1	<5	<25	<10
EB_20201130		11/30/20	<1	<1	<1	<1	<1	<20	<1	<10	<1	<10	<20	<0.5	<1	<2	<1	<5	<25	<10
Trip Blank Water Sample (Units are µg/L)																				
TB_20201123		11/23/20	<1	<1	<1	<1	<1	<20	<1	<10	<1	<10	<20	<0.5	<1	<2	<1	<5 *	<25	<10
TB_20201124		11/24/20	<1	<1	<1	<1	<1	<20	<1	<10	<1	<10	<20	<0.5	<1	<2	<1	<5	<25	<10
TB_20201125		11/25/20	<1	<1	<1	<1	<1	<20	<1	<10	<1	<10	<20	<0.5	<1	<2	<1	<5	<25	<10
TB_20201130		11/30/20	<1	<1	<1	<1	<1	<20	<1	<10	<1	<10	<20	<0.5	<1	<2	<1	<5	<25	<10
Screening Criteria																				
DTSC-SLs (Residential)			- -	- -	410,000	- -	- -	- -	470,000	- -	440,000	- -	- -	330	- -	- -	290	19,000	- -	- -
DTSC-SLs (Industrial)			- -	- -	2,200,000	- -	- -	- -	2,500,000	- -	2,300,000	- -	- -	1,400	- -	- -	1,300	86,000	- -	- -
ESL (Residential)			- -	- -	- -	2,600	- -	27,000,000	- -	- -	- -	34,000,000	61,000,000	330	- -	- -	290	18,000	6,900	- -
ESL (Industrial)			- -	- -	- -	12,000	- -	200,000,000	- -	- -	- -	140,000,000	670,000,000	1,400	- -	- -	1,300	80,000	30,000	- -
ESL (Construction Worker)			- -	- -	- -	280,000	- -	120,000,000	- -	- -	- -	140,000,000	270,000,000	33,000	- -	- -	28,000	1,200,000	29,000	- -
RSLs (Residential)			270,000	- -	1,600,000	2,600	- -	27,000,000	1,600,000	200,000	1,600,000	33,000,000	61,000,000	1,200	290,000	150,000	290	19,000	6,800	770,000
RSLs (Industrial)			1,500,000	- -	23,000,000	11,000	- -	190,000,000	23,000,000	1,300,000	23,000,000	140,000,000	670,000,000	5,100	1,800,000	630,000	1,300	86,000	30,000	3,500,000

Notes:
Samples analyzed using EPA Method 8260B
Units are micrograms per kilogram (µg/kg) except for Trip and Equipment Blank water samples, which are micrograms per liter (µg/L)
bgs = below ground surface
< Denotes nondetected at the Reporting Limit (RL) indicated
Bold type indicates reported at detectable concentration
* indicates LCS or LCSD is outside acceptance limits.
- - Denotes not available
DTSC-SLs = DTSC-modified Screening Levels after HERO HHRA Note Number 3, June 2020
ESLs = Environmental Screening Levels after San Francisco Bay Regional Water Quality Control Board, July 2019
RSLs = Regional Screening Levels after EPA, May 2021

AVOCET ENVIRONMENTAL, INC.

Boring No.	Sample Depth (feet bgs)	Sample Date	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Diisopropyl Ether (DIPE)	Ethanol	Ethylbenzene	Ethyl-t-Butyl Ether (ETBE)	Isopropylbenzene	Methylene Chloride	Methyl-t-Butyl Ether (MTBE)	Naphthalene
Kitchen, Warehouse, and Laundry Borings																				
MC-SV-1	2	11/25/20	<0.93	<0.93	<1.9	<0.93	<19	<0.93	<0.93	<1.9	<0.93	<1.9	<0.93	<230	<0.93	<0.93	<0.93	<9.3	<1.9	<9.3
	5	11/25/20	<1	<1	<2	<1	<20	<1	<1	<2	<1	<2	<1	<260	<1	<1	<1	<10	<2	<10
MC-SV-2	2	11/24/20	<1.1	<1.1	<2.1	<1.1	<21	<1.1	<1.1	<2.1	<1.1	<2.1	<1.1	<270	<1.1	<1.1	<1.1	<11	<2.1	<11
	5	11/24/20	<1	<1	<2	<1	<20	<1	<1	<2	<1	<2	<1	<250	<1	<1	<1	<10	<2	<10
MC-SV-5	2	11/24/20	<0.91	<0.91	<1.8	<0.91	<18	<0.91	<0.91	<1.8	<0.91	<1.8	<0.91	<230	<0.91	<0.91	<0.91	<9.1	<1.8	<9.1
	5	11/24/20	<1.2	<1.2	<2.4	<1.2	<24	<1.2	<1.2	<2.4	<1.2	<2.4	<1.2	<310	<1.2	<1.2	<1.2	<12	<2.4	<12
MC-SV-6	2	11/23/20	<0.79	<0.79	<1.6	<0.79	<16	<0.79	<0.79	<1.6	<0.79	<1.6	<0.79	<200	<0.79	<0.79	<0.79	<7.9	<1.6	<7.9
	5	11/23/20	<1	<1	<2.1	<1	<21	<1	<1	<2.1	<1	<2.1	<1	<260	<1	<1	<1	<10	<2.1	<10
Former Subsurface Features																				
MC-SV-3	5	11/23/20	<0.91	<0.91	<1.8	<0.91	<18	<0.91	<0.91	<1.8	<0.91	<1.8	<0.91	<230	<0.91	<0.91	<0.91	<9.1	<1.8	<9.1
	10	11/23/20	<1.1	<1.1	<2.3	<1.1	<23	<1.1	<1.1	<2.3	<1.1	<2.3	<1.1	<290	<1.1	<1.1	<1.1	<11	<2.3	<11
MC-SV-4	5	11/24/20	<1.7	<1.7	<3.5	<1.7	<35	<1.7	<1.7	<3.5	<1.7	<3.5	<1.7	<440	<1.7	<1.7	<1.7	<17	<3.5	<17
	10	11/25/20	<1.2	<1.2	<2.3	<1.2	<23	<1.2	<1.2	<2.3	<1.2	<2.3	<1.2	<290	<1.2	<1.2	<1.2	<12	<2.3	<12
Unbiased Borings																				
MC-SV-7	2	11/30/20	<1.1	<1.1	<2.2	<1.1	<22	<1.1	<1.1	<2.2	<1.1	<2.2	<1.1	<270	<1.1	<1.1	<1.1	<11	<2.2	<11
	5	11/30/20	<0.82	<0.82	<1.6	<0.82	<16	<0.82	<0.82	<1.6	<0.82	<1.6	<0.82	<210	<0.82	<0.82	<0.82	<8.2	<1.6	<8.2
MC-SV-8	2	11/25/20	<1.1	<1.1	<2.2	<1.1	<22	<1.1	<1.1	<2.2	<1.1	<2.2	<1.1	<270	<1.1	<1.1	<1.1	<11	<2.2	<11
	5	11/25/20	<0.95	<0.95	<1.9	<0.95	<19	<0.95	<0.95	<1.9	<0.95	<1.9	<0.95	<240	<0.95	<0.95	<0.95	<9.5	<1.9	<9.5
MC-SV-9	2	11/30/20	<0.9	<0.9	<1.8	<0.9	<18	<0.9	<0.9	<1.8	<0.9	<1.8	<0.9	<220	<0.9	<0.9	<0.9	<9	<1.8	<9
	5	11/30/20	<0.81	<0.81	<1.6	<0.81	<16	<0.81	<0.81	<1.6	<0.81	<1.6	<0.81	<200	<0.81	<0.81	<0.81	<8.1	<1.6	<8.1
MC-SV-10	2	11/30/20	<1.1	<1.1	<2.1	<1.1	<21	<1.1	<1.1	<2.1	<1.1	<2.1	<1.1	<270	<1.1	<1.1	<1.1	<11	<2.1	<11
	5	11/30/20	<0.91	<0.91	<1.8	<0.91	<18	<0.91	<0.91	<1.8	<0.91	<1.8	<0.91	<230	<0.91	<0.91	<0.91	<9.1	<1.8	<9.1
MC-SV-11	2	11/23/20	<1.1	<1.1	<2.1	<1.1	<21	<1.1	<1.1	<2.1	<1.1	<2.1	<1.1	<270	<1.1	<1.1	<1.1	<11	<2.1	<11
	10	11/23/20	<1.5	<1.5	<2.9	<1.5	<29	<1.5	<1.5	<2.9	<1.5	<2.9	<1.5	<370	<1.5	<1.5	<1.5	<15	<2.9	<15
MC-SV-12	2	11/30/20	<1.2	<1.2	<2.5	<1.2	<25	<1.2	<1.2	<2.5	<1.2	<2.5	<1.2	<310	<1.2	<1.2	<1.2	<12	<2.5	<12
	5	11/30/20	<0.89	<0.89	<1.8	<0.89	<18	<0.89	<0.89	<1.8	<0.89	<1.8	<0.89	<220	<0.89	<0.89	<0.89	<8.9	<1.8	<8.9
Equipment Blank Water Sample (Units are µg/L)																				
EB_20201123		11/23/20	<0.5	<1	<5	<1	<10	<1	<0.5	<2 *	<1	<5	<2	<100	<1	<2	<1	<10	<1	<10
EB_20201124		11/24/20	<0.5	<1	<5	<1	<10	<1	<0.5	<2	<1	<5	<2	<100	<1	<2	<1	<10	<1	<10
EB_20201125		11/25/20	<0.5	<1	<5	<1	<10	<1	<0.5	<2	<1	<5	<2	<100	<1	<2	<1	<10	<1	<10
EB_20201130		11/30/20	<0.5	<1	<5	<1	<10	<1	<0.5	<2	<1	<5	<2	<100	<1	<2	<1	<10	<1	<10
Trip Blank Water Sample (Units are µg/L)																				
TB_20201123		11/23/20	<0.5	<1	<5	<1	<10	<1	<0.5	<2 *	<1	<5	<2	<100	<1	<2	<1	<10	<1	<10
TB_20201124		11/24/20	<0.5	<1	<5	<1	<10	<1	<0.5	<2	<1	<5	<2	<100	<1	<2	<1	<10	<1	<10
TB_20201125		11/25/20	<0.5	<1	<5	<1	<10	<1	<0.5	<2	<1	<5	<2	<100	<1	<2	<1	<10	<1	<10
TB_20201130		11/30/20	<0.5	<1	<5	<1	<10	<1	<0.5	<2	<1	<5	<2	<100	<1	<2	<1	<10	<1	<10
Screening Criteria																				
DTSC-SLs (Residential)			650	- -	- -	- -	- -	18,000	- -	940	- -	- -	- -	- -	- -	- -	- -	2,200	- -	2,000
DTSC-SLs (Industrial)			2,900	- -	- -	- -	- -	84,000	- -	4,100	- -	- -	- -	- -	- -	- -	- -	26,000	- -	6,500
ESL (Residential)			620	270,000	14,000,000	320	110,000	19,000		8,300	- -	- -	- -	- -	5,900	- -	- -	- -	47,000	3,800
ESL (Industrial)			2,700	1,300,000	59,000,000	1,400	470,000	85,000		39,000	- -	- -	- -	- -	26,000	- -	- -	- -	210,000	17,000
ESL (Construction Worker)			53,000	1,200,000	59,000,000	34,000	470,000	78,000		290,000	- -	- -	- -	- -	540,000	- -	- -	- -	4,100,000	400,000
RSLs (Residential)			650	280,000	14,000,000	320	110,000	160,000	- -	8,300	24,000	87,000	2,200,000	- -	5,800	- -	1,900,000	57,000	47,000	2,000
RSLs (Industrial)			2,900	1,300,000	57,000,000	1,400	460,000	2,300,000	- -	39,000	99,000	370,000	9,400,000	- -	25,000	- -	9,900,000	1,000,000	210,000	8,600

Notes:
Samples analyzed using EPA Method 8260B
Units are micrograms per kilogram (µg/kg) except for Trip and Equipment Blank water samples, which are micrograms per liter (µg/L)
bgs = below ground surface
< Denotes nondetected at the Reporting Limit (RL) indicated
Bold type indicates reported at detectable concentration
* indicates LCS or LCSD is outside acceptance limits.
- - Denotes not available
DTSC-SLs = DTSC-modified Screening Levels after HERO HHRA Note Number 3, June 2020
ESLs = Environmental Screening Levels after San Francisco Bay Regional Water Quality Control Board, July 2019
RSLs = Regional Screening Levels after EPA, May 2021

Boring No.	Sample Depth (feet bgs)	Sample Date	n-Butylbenzene	n-Propylbenzene	o-Xylene	p/m-Xylene	p-Isopropyltoluene	sec-Butylbenzene	Styrene	Tert-Amyl-Methyl Ether (TAME)	Tert-Butyl Alcohol (TBA)	tert-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
Kitchen, Warehouse, and Laundry Borings																				
MC-SV-1	2	11/25/20	<0.93	<1.9	<0.93	<1.9	<0.93	<0.93	<0.93	<0.93	<19	<0.93	<0.93	<0.93	<0.93	<1.9	<1.9	<9.3	<9.3	<0.93
	5	11/25/20	<1	<2	<1	<2	<1	<1	<1	<1	<20	<1	<1	<1	<1	<2	<2	<10	<10	<1
MC-SV-2	2	11/24/20	<1.1	<2.1	<1.1	<2.1	<1.1	<1.1	<1.1	<1.1	<21	<1.1	<1.1	<1.1	<1.1	<2.1	<2.1	<11	<11	<1.1
	5	11/24/20	<1	<2	<1	<2	<1	<1	<1	<1	<20	<1	<1	<1	<1	<2	<2	<10	<10	<1
MC-SV-5	2	11/24/20	<0.91	<1.8	<0.91	<1.8	<0.91	<0.91	<0.91	<0.91	<18	<0.91	<0.91	<0.91	<0.91	<1.8	<1.8	<9.1	<9.1	<0.91
	5	11/24/20	<1.2	<2.4	<1.2	<2.4	<1.2	<1.2	<1.2	<1.2	<24	<1.2	<1.2	<1.2	<1.2	<2.4	<2.4	<12	<12	<1.2
MC-SV-6	2	11/23/20	<0.79	<1.6	<0.79	<1.6	<0.79	<0.79	<0.79	<0.79	<16	<0.79	<0.79	<0.79	<0.79	<1.6	<1.6	<7.9	<7.9	<0.79
	5	11/23/20	<1	<2.1	<1	<2.1	<1	<1	<1	<1	<21	<1	<1	<1	<1	<2.1	<2.1	<10	<10	<1
Former Subsurface Features																				
MC-SV-3	5	11/23/20	<0.91	<1.8	<0.91	<1.8	<0.91	<0.91	<0.91	<0.91	<18	<0.91	<0.91	<0.91	<0.91	<1.8	<1.8	<9.1	<9.1	<0.91
	10	11/23/20	<1.1	<2.3	<1.1	<2.3	<1.1	<1.1	<1.1	<1.1	<23	<1.1	<1.1	<1.1	<1.1	<2.3	<2.3	<11	<11	<1.1
MC-SV-4	5	11/24/20	<1.7	<3.5	<1.7	<3.5	<1.7	<1.7	<1.7	<1.7	<35	<1.7	<1.7	<1.7	<1.7	<3.5	<3.5	<17	<17	<1.7
	10	11/25/20	<1.2	<2.3	<1.2	<2.3	<1.2	<1.2	<1.2	<1.2	<23	<1.2	<1.2	<1.2	<1.2	<2.3	<2.3	<12	<12	<1.2
Unbiased Borings																				
MC-SV-7	2	11/30/20	<1.1	<2.2	<1.1	<2.2	<1.1	<1.1	<1.1	<1.1	<22	<1.1	<1.1	<1.1	<1.1	<2.2	<2.2	<11	<11	<1.1
	5	11/30/20	<0.82	<1.6	<0.82	<1.6	<0.82	<0.82	<0.82	<0.82	<16	<0.82	<0.82	**3.8**	<0.82	<1.6	<1.6	<8.2	<8.2	<0.82
MC-SV-8	2	11/25/20	<1.1	<2.2	<1.1	<2.2	<1.1	<1.1	<1.1	<1.1	<22	<1.1	<1.1	<1.1	<1.1	<2.2	<2.2	<11	<11	<1.1
	5	11/25/20	<0.95	<1.9	<0.95	<1.9	<0.95	<0.95	<0.95	<0.95	<19	<0.95	<0.95	<0.95	<0.95	<1.9	<1.9	<9.5	<9.5	<0.95
MC-SV-9	2	11/30/20	<0.9	<1.8	<0.9	<1.8	<0.9	<0.9	<0.9	<0.9	<18	<0.9	<0.9	<0.9	<0.9	<1.8	<1.8	<9	<9	<0.9
	5	11/30/20	<0.81	<1.6	<0.81	<1.6	<0.81	<0.81	<0.81	<0.81	<16	<0.81	<0.81	<0.81	<0.81	<1.6	<1.6	<8.1	<8.1	<0.81
MC-SV-10	2	11/30/20	<1.1	<2.1	<1.1	<2.1	<1.1	<1.1	<1.1	<1.1	<21	<1.1	<1.1	<1.1	<1.1	<2.1	<2.1	<11	<11	<1.1
	5	11/30/20	<0.91	<1.8	<0.91	<1.8	<0.91	<0.91	<0.91	<0.91	<18	<0.91	<0.91	<0.91	<0.91	<1.8	<1.8	<9.1	<9.1	<0.91
MC-SV-11	2	11/23/20	<1.1	<2.1	<1.1	<2.1	<1.1	<1.1	<1.1	<1.1	<21	<1.1	<1.1	<1.1	<1.1	<2.1	<2.1	<11	<11	<1.1
	10	11/23/20	<1.5	<2.9	<1.5	<2.9	<1.5	<1.5	<1.5	<1.5	<29	<1.5	<1.5	<1.5	<1.5	<2.9	<2.9	<15	<15	<1.5
MC-SV-12	2	11/30/20	<1.2	<2.5	<1.2	<2.5	<1.2	<1.2	<1.2	<1.2	<25	<1.2	<1.2	<1.2	<1.2	<2.5	<2.5	<12	<12	<1.2
	5	11/30/20	<0.89	<1.8	<0.89	<1.8	<0.89	<0.89	<0.89	<0.89	<18	<0.89	<0.89	<0.89	<0.89	<1.8	<1.8	<8.9	<8.9	<0.89
Equipment Blank Water Sample (Units are µg/L)																				
EB_20201123		11/23/20	<1	<1	<1	<2	<1	<1	<1	<2	<10	<1	<1	<1	<1	<0.5	<1	<10	<10	<0.5
EB_20201124		11/24/20	<1	<1	<1	<2	<1	<1	<1	<2	<10	<1	<1	<1	<1	<0.5	<1	<10	<10	<0.5
EB_20201125		11/25/20	<1	<1	<1	<2	<1	<1	<1	<2	<10	<1	<1	<1	<1	<0.5	<1	<10	<10	<0.5
EB_20201130		11/30/20	<1	<1	<1	<2	<1	<1	<1	<2	<10	<1	<1	<1	<1	<0.5	<1	<10	<10	<0.5
Trip Blank Water Sample (Units are µg/L)																				
TB_20201123		11/23/20	<1	<1	<1	<2	<1	<1	<1	<2	<10	<1	<1	<1	<1	<0.5	<1	<10	<10	<0.5
TB_20201124		11/24/20	<1	<1	<1	<2	<1	<1	<1	<2	<10	<1	<1	<1	<1	<0.5	<1	<10	<10	<0.5
TB_20201125		11/25/20	<1	<1	<1	<2	<1	<1	<1	<2	<10	<1	<1	<1	<1	<0.5	<1	<10	<10	<0.5
TB_20201130		11/30/20	<1	<1	<1	<2	<1	<1	<1	<2	<10	<1	<1	<1	<1	<0.5	<1	<10	<10	<0.5
Screening Criteria																				
DTSC-SLs (Residential)			2,400,000	- -	- -	- -	- -	2,200,000	5,600,000	- -	- -	2,200,000	590	1,100,000	130,000	- -	- -	1,200,000	- -	8.2
DTSC-SLs (Industrial)			18,000,000	- -	- -	- -	- -	12,000,000	32,000,000	- -	- -	12,000,000	2,700	5,300,000	600,000	- -	- -	5,400,000	- -	150
ESL (Residential)			- -	- -	- -	- -	- -	- -	5,700,000	- -	- -	- -	590	1,100,000	130,000	- -	- -	- -	- -	- -
ESL (Industrial)			- -	- -	- -	- -	- -	- -	33,000,000	- -	- -	- -	2,700	5,300,000	600,000	- -	- -	- -	- -	- -
ESL (Construction Worker)			- -	- -	- -	- -	- -	- -	25,000,000	- -	- -	- -	33,000	4,700,000	570,000	- -	- -	- -	- -	- -
RSLs (Residential)			3,900,000	3,800,000	650,000	- -	- -	7,800,000	6,000,000	- -	- -	7,800,000	24,000	4,900,000	1,600,000	- -	940	23,000,000	910,000	59
RSLs (Industrial)			58,000,000	24,000,000	2,800,000	- -	- -	120,000,000	35,000,000	- -	- -	120,000,000	100,000	47,000,000	23,000,000	- -	6,000	350,000,000	3,800,000	1,700

Notes:
Samples analyzed using EPA Method 8260B
Units are micrograms per kilogram (µg/kg) except for Trip and Equipment Blank water samples, which are micrograms per liter (µg/L)
bgs = below ground surface
< Denotes nondetected at the Reporting Limit (RL) indicated
Bold type indicates reported at detectable concentration
* indicates LCS or LCSD is outside acceptance limits.
- - Denotes not available
DTSC-SLs = DTSC-modified Screening Levels after HERO HHRA Note Number 3, June 2020
ESLs = Environmental Screening Levels after San Francisco Bay Regional Water Quality Control Board, July 2019
RSLs = Regional Screening Levels after EPA, May 2021

Table 3
SVOCs in Soil Samples
Fairview Developmental Center Main Campus Phase II
Costa Mesa, California

Boring No.	Sample Depth (feet bgs)	Sample Date	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,6,7-Trimethylnaphthalene	1-Methylnaphthalene	1-Methylphenanthrene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dichlorophenol	2,6-Dimethylnaphthalene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline
Unbiased Borings																							
MC-SV-7	2	11/30/20	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.25	<0.5	<0.25	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25
	5	11/30/20	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.25	<0.5	<0.25	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25
MC-SV-8	2	11/25/20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	<0.25	<0.25	<0.5	<0.25	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	<0.25
	5	11/25/20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	<0.25	<0.25	<0.5	<0.25	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	<0.25
MC-SV-9	2	11/30/20	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.25	<0.5	<0.25	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25
	5	11/30/20	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.25	<0.5	<0.25	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25
MC-SV-10	2	11/30/20	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.25	<0.5	<0.25	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25
	5	11/30/20	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.25	<0.5	<0.25	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25
MC-SV-11	2	11/23/20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	<0.25	<0.25	<0.5	<0.25	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	<0.25
	10	11/23/20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	<0.25	<0.25	<0.5	<0.25	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	<0.25
MC-SV-12	2	11/30/20	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.25	<0.5	<0.25	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25
	5	11/30/20	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.25	<0.5	<0.25	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25
Screening Criteria																							
DTSC-SLs (Residential)		7.8	- -	- -	- -	- -	9.9	- -	6,300	7.8	190	1,300	130	1.7	- -	- -	0.36	4,100	340	190	3,200	630	
DTSC-SLs (Industrial)		35	- -	- -	- -	- -	30	- -	53,000	21	1,600	11,000	1,100	4.7	- -	- -	0.99	27,000	3,900	1,300	26,000	5,200	
ESL (Residential)		24	1,800	- -	2.6	- -	- -	- -	7,800	- -	230	1,600	160	2.2	- -	- -	- -	- -	390	240	- -	- -	
ESL (Industrial)		110	9,400	- -	12	- -	- -	- -	120,000	- -	3,500	23,000	2,300	11	- -	- -	- -	- -	5,800	3,000	- -	- -	
ESL (Construction Worker)		850	7,800	- -	280	- -	- -	- -	35,000	- -	1,100	7,100	710	79	- -	- -	- -	- -	1,800	670	- -	- -	
RSLs (Residential)		24	1,800	- -	2.6	- -	18	- -	6,300	49	190	1,300	130	1.7	- -	- -	0.36	4,800	390	240	3,200	630	
RSLs (Industrial)		110	9,300	- -	11	- -	73	- -	82,000	210	2,500	16,000	1,600	7.4	- -	- -	1.5	60,000	5,800	3,000	41,000	8,000	

Notes:
Samples analyzed using EPA Method 8270C
Units are milligrams per kilogram (mg/kg)
bgs = below ground surface
< Denotes nondetected at the Reporting Limit indicated
- - Denotes not available
*1 indicates LCS/LCSD RPD exceeds control limits.
F2 = MS/MSD RPD exceeds control limits
DTSC-SLs = DTSC-modified Screening Levels after HERO HHRA Note Number 3, June 2020
ESLs = Environmental Screening Levels after San Francisco Bay Regional Water Quality Control Board, July 2019
RSLs = Regional Screening Levels after EPA, May 2021

Boring No.	Sample Depth (feet bgs)	Sample Date	2-Nitrophenol	3,3'-Dichlorobenzidine	3/4-Methylphenol	3-Nitroaniline	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chloroaniline	4-Chlorophenyl phenyl ether	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene	Aniline	Anthracene	Azobenzene	Benzidine	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(e)pyrene
Unbiased Borings																							
MC-SV-7	2	11/30/20	<0.25	<0.25	<0.099	<0.25	<0.25	<0.0099	<0.25	<0.25	<0.0099	<0.25	<0.5	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099
	5	11/30/20	<0.25	<0.25	<0.099	<0.25	<0.25	<0.0099	<0.25	<0.25	<0.0099	<0.25	<0.5	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099
MC-SV-8	2	11/25/20	<0.25	<0.25	<0.1	<0.25	<0.25	<0.01	<0.25	<0.25	<0.01	<0.25	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25 *1	<0.01	<0.01	<0.01	<0.01
	5	11/25/20	<0.25	<0.25	<0.1	<0.25	<0.25	<0.01	<0.25	<0.25	<0.01	<0.25	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25 *1	<0.01	<0.01	<0.01	<0.01
MC-SV-9	2	11/30/20	<0.25	<0.25	<0.099	<0.25	<0.25	<0.0099	<0.25	<0.25	<0.0099	<0.25	<0.5	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099
	5	11/30/20	<0.25	<0.25	<0.099	<0.25	<0.25	<0.0099	<0.25	<0.25	<0.0099	<0.25	<0.5	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099
MC-SV-10	2	11/30/20	<0.25	<0.25	<0.099	<0.25	<0.25	<0.0099	<0.25	<0.25	<0.0099	<0.25	<0.5	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	**0.012**	**0.01**	<0.0099	<0.0099
	5	11/30/20	<0.25	<0.25	<0.099	<0.25	<0.25	<0.0099	<0.25	<0.25	<0.0099	<0.25	<0.5	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099
MC-SV-11	2	11/23/20	<0.25	<0.25	<0.1	<0.25	<0.25	<0.01	<0.25	<0.25	<0.01	<0.25	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25 *1	<0.01	<0.01	<0.01	<0.01
	10	11/23/20	<0.25	<0.25	<0.1	<0.25 F2	<0.25	<0.01	<0.25	<0.25	<0.01	<0.25	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25 *1 F2	<0.01	<0.01	<0.01	<0.01
MC-SV-12	2	11/30/20	<0.25	<0.25	<0.099	<0.25	<0.25	<0.0099	<0.25	<0.25	<0.0099	<0.25	<0.5	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099
	5	11/30/20	<0.25	<0.25	<0.099	<0.25	<0.25	<0.0099	<0.25	<0.25	<0.0099	<0.25	<0.5	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099
Screening Criteria																							
DTSC-SLs (Residential)			- -	- -	0.45	- -	5.1	- -	6,300	2.7	- -	27	- -	3,300	- -	95	17,000	- -	0.00024	1.1	0.11	1.1	- -
DTSC-SLs (Industrial)			- -	- -	1.2	- -	42	- -	53,000	7.4	- -	74	- -	23,000	- -	260	130,000	- -	0.003	12	1.3	13	- -
ESL (Residential)			- -	- -	0.58	- -	- -	- -	- -	3.5	- -	- -	- -	3,600	- -	- -	18,000	- -	- -	1.1	0.11	1.1	- -
ESL (Industrial)			- -	- -	2.7	- -	- -	- -	- -	16	- -	- -	- -	45,000	- -	- -	230,000	- -	- -	20	2.1	21	- -
ESL (Construction Worker)			- -	- -	20	- -	- -	- -	- -	120	- -	- -	- -	10,000	- -	- -	50,000	- -	- -	110	11	110	- -
RSLs (Residential)			- -	- -	1.2	- -	5.1	- -	6,300	2.7	- -	27	- -	3,600	- -	95	18,000	5.6	0.00053	1.1	0.11	1.1	- -
RSLs (Industrial)			- -	- -	5.1	- -	66	- -	82,000	11	- -	110	- -	45,000	- -	400	230,000	26	0.01	21	2.1	21	- -

Notes:
Samples analyzed using EPA Method 8270C
Units are milligrams per kilogram (mg/kg)
bgs = below ground surface
< Denotes nondetected at the Reporting Limit indicated
- - Denotes not available
*1 indicates LCS/LCSD RPD exceeds control limits.
F2 = MS/MSD RPD exceeds control limits
DTSC-SLs = DTSC-modified Screening Levels after HERO HHRA Note Number 3, June 2020
ESLs = Environmental Screening Levels after San Francisco Bay Regional Water Quality Control Board, July 2019
RSLs = Regional Screening Levels after EPA, May 2021

Table 3
SVOCs in Soil Samples
Fairview Developmental Center Main Campus Phase II
Costa Mesa, California

Boring No.	Sample Depth (feet bgs)	Sample Date	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic acid	Benzyl alcohol	Biphenyl	bis (2-Chloroisopropyl) ether	Bis(2-chloroethoxy)methane	Bis(2-chloroethyl)ether	Bis(2-ethylhexyl) phthalate	Butyl benzyl phthalate	Chrysene	DCPA	Dibenz(a,h)anthracene	Dibenzofuran	Dibenzothiophene	Diethyl phthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate
Unbiased Borings																					
MC-SV-7	2	11/30/20	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.25	<0.25
	5	11/30/20	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.25	<0.25
MC-SV-8	2	11/25/20	<0.01	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	<0.25	<0.25	<0.25
	5	11/25/20	<0.01	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	<0.25	<0.25	<0.25
MC-SV-9	2	11/30/20	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.25	<0.25
	5	11/30/20	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.25	<0.25
MC-SV-10	2	11/30/20	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	**0.012**	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.25	<0.25
	5	11/30/20	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.25	<0.25
MC-SV-11	2	11/23/20	<0.01	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	<0.25	<0.25	<0.25
	10	11/23/20	<0.01	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	<0.25	<0.25	<0.25
MC-SV-12	2	11/30/20	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.25	<0.25
	5	11/30/20	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.25	<0.25	<0.25
Screening Criteria																					
DTSC-SLs (Residential)			- -	11	250,000	6,300	56	2,000	190	0.1	39	290	110	- -	0.028	66	- -	51,000	- -	6,300	630
DTSC-SLs (Industrial)			- -	130	2,100,000	53,000	260	16,000	1,600	0.47	110	780	1,300	- -	0.31	650	- -	420,000	- -	53,000	5,300
ESL (Residential)			- -	11	- -	- -	68	5	- -	0.1	39	- -	110	- -	0.11	- -	- -	51,000	- -	- -	- -
ESL (Industrial)			- -	210	- -	- -	290	23	- -	0.47	160	- -	2,100	- -	2.1	- -	- -	660,000	- -	- -	- -
ESL (Construction Worker)			- -	910	- -	- -	1,700	270	- -	6.4	950	- -	9,100	- -	11	- -	- -	150,000	- -	- -	- -
RSLs (Residential)			- -	11	250,000	6,300	47	3,100	190	0.23	39	290	110	630	0.11	78	780	51,000	- -	6,300	630
RSLs (Industrial)			- -	210	3,300,000	82,000	200	47,000	2,500	1	160	1,200	2,100	8,200	2.1	1,200	12,000	660,000	- -	82,000	8,200

Notes:
Samples analyzed using EPA Method 8270C
Units are milligrams per kilogram (mg/kg)
bgs = below ground surface
< Denotes nondetected at the Reporting Limit indicated
- - Denotes not available
*1 indicates LCS/LCSD RPD exceeds control limits.
F2 = MS/MSD RPD exceeds control limits
DTSC-SLs = DTSC-modified Screening Levels after HERO HHRA Note Number 3, June 2020
ESLs = Environmental Screening Levels after San Francisco Bay Regional Water Quality Control Board, July 2019
RSLs = Regional Screening Levels after EPA, May 2021

Boring No.	Sample Depth (feet bgs)	Sample Date	Fluoranthene	Fluorene	Hexachloro-1,3-butadiene	Hexachlorobenzene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-cd)pyrene	Isophorone	Naphthalene	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodi-n-propylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Perthane	Perylene	Phenanthrene	Phenol	Pyrene	Pyridine
Unbiased Borings																						
MC-SV-7	2	11/30/20	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.5	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099
	5	11/30/20	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.5	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099
MC-SV-8	2	11/25/20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	**0.033**	<0.01	<0.01	**0.01**	<0.01	<0.01
	5	11/25/20	<0.01	<0.01	<0.01	<0.01	<0.01	**0.01**	<0.01	<0.5	**0.03**	<0.01	<0.01	<0.01	<0.01	<0.25	**0.012**	<0.01	<0.01	<0.01	<0.01	**0.013**
MC-SV-9	2	11/30/20	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.5	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099
	5	11/30/20	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.5	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099
MC-SV-10	2	11/30/20	**0.02**	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.5	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	**0.011**	<0.0099	**0.023**	<0.0099
	5	11/30/20	**0.011**	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.5	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	**0.011**	<0.0099
MC-SV-11	2	11/23/20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	**0.04**	<0.01	<0.01	<0.01	<0.01	<0.01
	10	11/23/20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	**0.023**	<0.01	<0.01	<0.01	<0.01	<0.01
MC-SV-12	2	11/30/20	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.5	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099
	5	11/30/20	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.5	**0.014**	<0.0099	<0.0099	<0.0099	<0.0099	<0.25	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099
Screening Criteria																						
DTSC-SLs (Residential)			2,400	2,300	1.2	0.19	- -	- -	1.1	570	2	- -	- -	0.078	110	1	- -	- -	- -	19,000	1,800	58
DTSC-SLs (Industrial)			18,000	17,000	5.3	0.86	- -	- -	13	1,600	6.5	- -	- -	0.21	300	2	- -	- -	- -	160,000	13,000	530
ESL (Residential)			2,400	2,400	1.2	0.18	- -	1.8	1.1	- -	3.8	- -	- -	- -	- -	1	- -	- -	- -	23,000	1,800	- -
ESL (Industrial)			30,000	30,000	5.3	0.78	- -	7.8	21	- -	17	- -	- -	- -	- -	4	- -	- -	- -	350,000	23,000	- -
ESL (Construction Worker)			6,700	6,700	100	7.7	- -	130	110	- -	400	- -	- -	- -	- -	20	- -	- -	- -	98,000	5,000	- -
RSLs (Residential)			2,400	2,400	1.2	0.21	1.8	1.8	1.1	570	2	5.1	0.002	0.078	110	1	- -	- -	- -	19,000	1,800	78
RSLs (Industrial)			30,000	30,000	5.3	0.96	7.5	8	21	2,400	8.6	22	0.034	0.33	470	4	- -	- -	- -	250,000	23,000	1,200

Notes:
Samples analyzed using EPA Method 8270C
Units are milligrams per kilogram (mg/kg)
bgs = below ground surface
< Denotes nondetected at the Reporting Limit indicated
- - Denotes not available
*1 indicates LCS/LCSD RPD exceeds control limits.
F2 = MS/MSD RPD exceeds control limits
DTSC-SLs = DTSC-modified Screening Levels after HERO HHRA Note Number 3, June 2020
ESLs = Environmental Screening Levels after San Francisco Bay Regional Water Quality Control Board, July 2019
RSLs = Regional Screening Levels after EPA, May 2021

Table 4
Metals in Soil Samples
Fairview Developmental Center Main Campus Phase II
Costa Mesa, California

Boring No.	Sample Depth (feet bgs)	Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium, hexavalent	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Unbiased Borings																				
MC-SV-7	2	11/30/20	<0.728	**4.6**	**146**	**0.963**	<0.485	**17**	--	**9.45**	**14**	**5.11**	<0.0847	<0.243	**17**	<0.728 L	<0.243	<0.728 L	**32.7**	**46.1**
	5	11/30/20	<0.721	**11.8**	**139**	**0.881**	<0.481	**13.9**	--	**7.62**	**12.3**	**2.72**	<0.0862	<0.24 L	**11.7**	<0.721	<0.24 L	<0.721 L	**27.1**	**30.8**
MC-SV-8	2	11/25/20	<0.725	**0.84**	**88.9**	**0.736**	<0.483	**15.3**	--	**7.66**	**8.52**	**2.33**	<0.0862	<0.242 L	**11.6**	<0.725	<0.242	<0.725	**33.9**	**31.9**
	5	11/25/20	<0.758	**1.74**	**53.8**	**0.701**	<0.505	**14.5**	--	**7.33**	**7.44**	**1.73**	<0.082	<0.253 L	**12.7**	<0.758	<0.253 L	<0.758	**31.3**	**31.8**
MC-SV-9	2	11/30/20	<0.773	**2.27**	**60.5**	**0.563**	<0.515	**12**	--	**6.9**	**7.15**	**4.55**	<0.0794	<0.258 L	**8.3**	<0.773	<0.258	<0.773	**28**	**28.3**
	5	11/30/20	<0.743	**2.24**	**111**	**0.788**	<0.495	**16.5**	--	**6.21**	**8.42**	**1.11**	<0.0806	<0.248 L	**10.8**	<0.743	<0.248 L	<0.743	**35**	**33.7**
MC-SV-10	2	11/30/20	<0.728	**4.65**	**124**	**0.796**	<0.485	**15**	--	**7.86**	**12.3**	**3.79**	<0.0833	<0.243 L	**13.1**	<0.728	<0.243	<0.728	**31**	**39.3**
	5	11/30/20	<0.728	**4.86**	**99.5**	**0.604**	<0.485	**11.6**	--	**7**	**8.61**	**2.93**	<0.082	<0.243 L	**9.42**	<0.728 L	<0.243	<0.728 L	**28.4**	**29.2**
MC-SV-11	2	11/23/20	<0.725	**2.59**	**144**	**0.82**	<0.483	**17**	--	**6.28**	**4.79**	**1.29**	<0.0833	<0.242 L	**11.1**	<0.725	<0.242 L	<0.725	**33**	**32.4**
	10	11/23/20	<0.785	<0.785	**46.3**	<0.262	<0.524	**5.02**	--	**2.14**	**1.4**	**0.769**	<0.082	**0.991**	**2.98**	<0.785	<0.262	<0.785	**18**	**12.2**
MC-SV-12	2	11/30/20	<0.773	**5.58**	**85.8**	**0.771**	<0.515	**13.5**	--	**7.18**	**11.2**	**4.52**	<0.0862	<0.258	**10.9**	<0.773 L	<0.258	<0.773	**29.7**	**37**
	5	11/30/20	<0.739	**3.57**	**48.6**	**0.879**	<0.493	**20.3**	--	**6.29**	**12.4**	**2.95**	<0.0806	<0.246 L	**12.6**	<0.739	<0.246 L	<0.739	**32.6**	**42.4**
Screening Criteria																				
DTSC-SLs (Residential)			- -	0.11	- -	1,600	- -	- -	- -	- -	- -	80	1	- -	15,000	- -	- -	- -	- -	- -
DTSC-SLs (Industrial)			- -	0.36	- -	6,900	- -	- -	- -	- -	- -	320	4.4	- -	64,000	- -	- -	- -	- -	- -
ESL (Residential)			11	0.067	15,000	1,600	910	- -	- -	420	3,100	82	13	390	15,000	390	390	0.78	390	23,000
ESL (Industrial)			160	0.31	220,000	6,900	4,000	- -	- -	1,900	47,000	380	190	5,800	64,000	5,800	5,800	12	5,800	350,000
ESL (Construction Worker)			50	2	3,000	180	110	- -	- -	49	14,000	2,700	44	1,800	1,700	1,700	1,800	3.5	470	110,000
RSLs (Residential)			31	0.68	15,000	160	71	- -	- -	23	3,100	400	11	390	1,500	390	390	0.78	390	23,000
RSLs (Industrial)			470	3	220,000	2,300	980	- -	- -	350	47,000	800	46	5,800	22,000	5,800	5,800	12	5,800	350,000

Notes:
Samples analyzed using Methods 6010B and 7471A (Mercury)
Units are milligrams per kilogram (mg/kg)
bgs = below ground surface
< Denotes nondetected at the Reporting Limit indicated
Bold type indicates reported at detectable concentration
- - Denotes not available
L = A negative instrument reading had an absolute value greater than the reporting limit
DTSC-SLs = DTSC-modified Screening Levels after HERO HHRA Note Number 3, June 2020
ESLs = Environmental Screening Levels after San Francisco Bay Regional Water Quality Control Board, July 2019
RSLs = Regional Screening Levels after EPA, May 2021

Table 5
PCBs in Soil Samples
Fairview Developmental Center Main Campus Phase II
Costa Mesa, California

Boring No.	Sample Depth (feet bgs)	Sample Date	PCB 1016	PCB 1221	PCB 1232	PCB 1242	PCB 1248	PCB 1254	PCB 1260	PCB 1262	PCB 1268
Unbiased Borings											
MC-SV-7	2	11/30/20	<49	<49	<49	<49	<49	<49	<49	<49	<49
	5	11/30/20	<50	<50	<50	<50	<50	<50	<50	<50	<50
MC-SV-8	2	11/25/20	<50	<50	<50	<50	<50	<50	<50	<50	<50
	5	11/25/20	<50	<50	<50	<50	<50	<50	<50	<50	<50
MC-SV-9	2	11/30/20	<50	<50	<50	<50	<50	<50	<50	<50	<50
	5	11/30/20	<50	<50	<50	<50	<50	<50	<50	<50	<50
MC-SV-10	2	11/30/20	<50	<50	<50	<50	<50	<50	<50	<50	<50
	5	11/30/20	<50	<50	<50	<50	<50	<50	<50	<50	<50
MC-SV-11	2	11/23/20	<50	<50	<50	<50	<50	<50	<50	<50	<50
	10	11/23/20	<49	<49	<49	<49	<49	<49	<49	<49	<49
MC-SV-12	2	11/30/20	<50	<50	<50	<50	<50	<50	<50	<50	<50
	5	11/30/20	<50	<50	<50	<50	<50	<50	<50	<50	<50
Transformer Vault Borings											
TVB-1	0.5	11/24/20	<50	<50	<50	<50	<50	<50	**53**	<50	<50
	2	11/24/20	<50	<50	<50	<50	<50	<50	<50	<50	<50
	5	11/24/20	<50	<50	<50	<50	<50	<50	<50	<50	<50
TVB-2	0.5	11/24/20	<50	<50	<50	<50	<50	<50	**20,000**	<50	<50
	2	11/24/20	<50	<50	<50	<50	<50	<50	**210**	<50	<50
	5	11/24/20	<50	<50	<50	<50	<50	<50	**3,500**	<50	<50
TVB-3	0.5	11/24/20	<50	<50	<50	<50	<50	<50	<50	<50	<50
TVB-4	0.5	04/06/21	<50	<50	<50	<50	<50	<50	<50	<50	<50
TVB-5	0.5	04/06/21	<50	<50	<50	<50	<50	<50	<50	<50	<50
TVB-6	0.5	04/06/21	<50	<50	<50	<50	<50	<50	<50	<50	<50
TVB-7	0.5	11/25/20	<50	<50	<50	<50	<50	<50	<50	<50	<50
TVB-8	0.5	11/25/20	<50	<50	<50	<50	<50	<50	<50	<50	<50
TVB-9	0.5	04/06/21	<50	<50	<50	<50	<50	<50	<50	<50	<50
TVB-10	0.5	11/23/20	<50	<50	<50	<50	<50	<50	<50	<50	<50
TVB-11	0.5	11/23/20	<49	<49	<49	<49	<49	<49	<49	<49	<49
Screening Criteria											
DTSC-SLs (Residential)			6,700	200	170	230	230	240	240	- -	- -
DTSC-SLs (Industrial)			17,000	530	490	580	580	590	600	- -	- -
ESL (Residential)			230	230	230	230	230	230	230	230	230
ESL (Industrial)			940	940	940	940	940	940	940	940	940
ESL (Construction Worker)			5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500
RSLs (Residential)			4,100	200	170	230	230	240	240	- -	- -
RSLs (Industrial)			27,000	830	720	950	950	970	990	- -	- -

Notes:
Samples analyzed using Method EPA 8082
Units are micrograms per kilogram (µg/kg)
< Denotes nondetected at the Reporting Limit indicated
- - Denotes not available
DTSC-SLs = DTSC-modified Screening Levels after HERO HHRA Note Number 3, June 2020
ESLs = Environmental Screening Levels after San Francisco Bay Regional Water Quality Control Board, July 2019
RSLs = Regional Screening Levels after EPA, May 2021

AVOCET ENVIRONMENTAL, INC.

Table 6
VOCs in Soil Vapor Samples
Fairview Developmental Center Main Campus Phase II
Costa Mesa, California

Boring No.	Sample Depth (feet bgs)	Sample Date	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Difluoroethane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2-Butanone	2-Hexanone	4-Ethyltoluene
Kitchen, Warehouse, and Laundry Borings																						
MC-SV-1	5	04/19/21	<2.8	<7.2	<12	<2.8	<2.1	<2.1	<5.6	<15	<7.7	<15	<4	<3.1	<2.1	<2.4	<2.6	<3.1	<3.1	<4.6	<6.4	<2.6
	15	04/19/21	<4.4	<11	<18	<4.4	<3.2	<3.2	<8.6	<24	<12	<23	<6.1	<4.8	<3.2	<3.7	<3.9	<4.8	<4.8	<7.1	<9.8	<3.9
MC-SV-2	5	04/20/21	<3.2	<8.1	<14	<3.2	<2.4	<2.3	<6.4	<18	<8.7	<17	<4.5	<3.6	<2.4	<2.7	<2.9	<3.6	<3.6	<5.2	<7.3	<2.9
	15	04/20/21	<3.7	<9.3	<16	<3.7	<2.7	<2.7	<7.3	<20	<10	<20	<5.2	<4.1	<2.7	<3.1	<3.3	<4.1	<4.1	<6	<8.3	<3.3
MC-SV-5	5	04/20/21	<2.7	<6.9	<11	<2.7	<2	<2	<5.4	<15	<7.4	<14	<3.8	<3	<2	<2.3	<2.5	<3	<3	<4.4	<6.1	<2.5
	15	04/20/21	<3.4	<8.6	<14	<3.4	<2.5	<2.5	<6.8	<19	<9.2	<18	<4.8	<3.8	<2.5	<2.9	<3.1	<3.8	<3.8	<5.5	<7.7	<3.1
MC-SV-6	5	04/19/21	<4.2	<11	<18	<4.2	<3.1	<3.1	<8.3	<23	<11	<22	<5.9	<4.6	<3.1	<3.6	<3.8	<4.6	<4.6	**7.9**	<9.5	<3.8
	15	04/19/21	<2.8	<7	<12	<2.8	<2.1	<2	<5.5	<15	**7.6**	<15	<3.9	<3	<2.1	<2.3	<2.5	<3	<3	**11**	<6.2	<2.5
Duplicate	15	04/19/21	<3.3	<8.4	<14	<3.3	<2.5	<2.4	<6.6	<18	<9	<18	<4.7	<3.7	<2.5	<2.8	<3	<3.7	<3.7	<5.4	<7.5	<3
Former Subsurface Features																						
MC-SV-3	5	04/19/21	<3.3	<8.3	<14	<3.3	<2.4	<2.4	<6.5	<18	<8.9	<18	<4.6	<3.6	<2.4	<2.8	<3	<3.6	<3.6	<5.3	<7.4	<3
	15	04/19/21	<3.1	<7.9	<13	<3.1	<2.3	<2.3	<6.2	<17	<8.5	<17	<4.4	<3.5	<2.3	<2.7	<2.8	<3.5	<3.5	<5.1	<7.1	<2.8
MC-SV-4	5	04/19/21	<5.1	<13	<22	<5.1	<3.8	<3.7	<10	<28	<14	<27	<7.2	<5.7	<3.8	<4.3	<4.6	<5.7	<5.7	<8.3	<12	<4.6
	15	04/19/21	<3.1	<7.8	<13	<3.1	<2.3	<2.3	<6.2	<17	<8.4	<17	<4.4	<3.4	<2.3	<2.6	<2.8	<3.4	<3.4	<5	<7	<2.8
Duplicate	15	04/19/21	<5.4	<14	<23	<5.4	<4	<3.9	<11	<30	<15	<29	<7.6	<6	<4	<4.6	<4.9	<6	<6	<8.8	<12	<4.9
Unbiased Borings																						
MC-SV-7	5	04/19/21	<5.1	<13	<21	<5.1	<3.8	<3.7	<10	<28	<14	<27	<7.1	<5.6	<3.8	<4.3	<4.6	<5.6	<5.6	<8.2	<11	<4.6
	15	04/19/21	<3.5	<8.8	<15	<3.5	<2.6	<2.5	<6.9	<19	<9.4	<19	<4.9	<3.8	<2.6	<3	<3.1	<3.8	<3.8	**14**	<7.9	<3.1
MC-SV-8	5	04/19/21	<5.4	<14	<23	<5.4	<4	<3.9	<11	<29	<15	<29	<7.6	<6	<4	<4.6	<4.9	<6	<6	<8.8	<12	<4.9
	15	04/19/21	<7	<18	<29	<7	<5.2	<5.1	<14	<38	<19	<37	<9.8	<7.7	<5.2	<5.9	<6.3	<7.7	<7.7	<11	<16	<6.3
MC-SV-9	5	04/19/21	<5.7	<14	<24	<5.7	<4.2	<4.1	<11	<31	<15	<30	<8	<6.3	<4.2	<4.8	<5.1	<6.3	<6.3	<9.2	<13	<5.1
	15	04/19/21	<5.3	<13	<22	<5.3	<3.9	<3.8	<10	<29	<14	<28	<7.5	<5.8	<3.9	<4.5	<4.8	<5.8	<5.8	<8.6	<12	<4.8
MC-SV-10	5	04/19/21	<3.6	<9	<15	<3.6	<2.7	<2.6	<7.1	<19	<9.7	<19	<5	<3.9	<2.7	<3	<3.2	<3.9	<3.9	**11**	<8.1	<3.2
	15	04/19/21	<5.4	<14	<23	<5.4	<4	<3.9	<11	<29	<15	<29	<7.6	<6	<4	<4.6	<4.9	<6	<6	<8.8	<12	<4.9
MC-SV-11	5	04/19/21	<2.9	<7.4	<12	<2.9	<2.2	<2.1	<5.8	<16	<7.9	<16	<4.1	<3.2	<2.2	<2.5	<2.6	<3.2	<3.2	**7.4**	<6.6	<2.6
	15	04/19/21	<5.1	<13	<22	<5.1	<3.8	<3.7	<10	<28	<14	<27	<7.2	<5.6	<3.8	<4.3	<4.6	<5.6	<5.6	<8.3	<12	<4.6
MC-SV-12	5	04/19/21	<7.9	<20	<33	<7.9	<5.8	<5.7	<16	<43	<21	<42	<11	<8.7	<5.8	<6.7	<7.1	<8.7	<8.7	<13	<18	<7.1
	15	04/19/21	<3	<7.6	<13	<3	<2.3	<2.2	<6	<17	<8.2	<16	<4.3	<3.3	<2.3	<2.6	<2.7	<3.3	<3.3	**4.9**	<6.8	<2.7
Screening Criteria																						
ESL (Residential)			35,000	1.6	--	5.8	58	2,400	--	70	--	0.0056	0.16	7,000	3.6	9.4	--	--	8.5	170,000	--	--
ESL (Industrial)			150,000	7	--	26	260	10,000	--	290	--	0.068	0.68	29,000	16	41	--	--	37	730,000	--	--

Notes:
Samples analyzed using EPA Method TO-15
Units are micrograms per cubic meter (µg/m3)
bgs = below ground surface
< Denotes nondetected at the Reporting Limit indicated
-- Denotes not available
ESLs = Environmental Screening Levels after San Francisco Bay Regional Water Quality Control Board, July 2019

AVOCET ENVIRONMENTAL, INC.

Table 6
VOCs in Soil Vapor Samples
Fairview Developmental Center Main Campus Phase II
Costa Mesa, California

Boring No.	Sample Depth (feet bgs)	Sample Date	4-Methyl-2-pentanone	Acetone	Benzene	Benzyl chloride	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromochloromethane	Dichlorodifluoromethane	Dichlorotetrafluoroethane	Di-isopropyl ether (DIPE)	Ethylbenzene	Ethyl-t-butyl ether (ETBE)
Kitchen, Warehouse, and Laundry Borings																							
MC-SV-1	5	04/19/21	<6.4	**8.9**	<1.7	<8.1	<3.5	<5.4	<2	<6.5	<3.3	<2.4	<1.4	<2.5	<1.1	<2.1	<2.4	<4.4	<2.6	<15	<8.7	<2.3	<8.7
	15	04/19/21	<9.8	**14**	<2.6	<12	<5.4	<8.3	<3.1	<10	<5	<3.7	<2.1	<3.9	<1.7	<3.2	<3.6	<6.8	<4	<22	<13	<3.5	<13
MC-SV-2	5	04/20/21	<7.3	**5.8**	<1.9	<9.2	<4	<6.1	<2.3	<7.4	<3.7	<2.7	<1.6	<2.9	<1.2	<2.3	<2.7	<5	<2.9	<17	<9.9	<2.6	<9.9
	15	04/20/21	<8.3	**10**	<2.2	<10	<4.5	<7	<2.6	<8.4	<4.2	<3.1	<1.8	<3.3	<1.4	<2.7	<3.1	<5.8	<3.3	<19	<11	<2.9	<11
MC-SV-5	5	04/20/21	<6.1	**5.5**	<1.6	<7.8	<3.4	<5.2	<1.9	<6.2	<3.1	<2.3	<1.3	<2.4	<1	<2	<2.3	<4.3	**2.5**	<14	<8.4	<2.2	<8.4
	15	04/20/21	<7.7	**16**	<2	<9.7	<4.2	<6.5	<2.4	<7.8	<3.9	<2.9	<1.6	<3.1	<1.3	<2.5	<2.8	<5.3	<3.1	<17	<10	<2.7	<10
MC-SV-6	5	04/19/21	<9.5	**20**	<2.5	<12	<5.2	<8	<3	<9.6	<4.8	<3.5	<2	<3.8	<1.6	<3.1	<3.5	<6.6	<3.8	<22	<13	<3.3	<13
	15	04/19/21	<6.2	**35**	<1.6	<7.9	<3.4	<5.2	<2	<6.3	<3.2	<2.3	<1.3	<2.5	<1	<2	<2.3	<4.3	**3.1**	<14	<8.5	**4.3**	<8.5
Duplicate	15	04/19/21	<7.5	**20**	<2	<9.5	<4.1	<6.3	<2.4	<7.6	<3.9	<2.8	<1.6	<3	<1.3	<2.4	<2.8	<5.2	<3	<17	<10	<2.7	<10
Former Subsurface Features																							
MC-SV-3	5	04/19/21	<7.4	**12**	<1.9	<9.4	<4	<6.2	<2.3	<7.5	<3.8	<2.8	<1.6	<2.9	<1.2	<2.4	<2.7	<5.1	<3	<17	<10	<2.6	<10
	15	04/19/21	<7.1	**7.9**	<1.8	<8.9	<3.8	<5.9	<2.2	<7.2	<3.6	<2.6	<1.5	<2.8	<1.2	<2.3	<2.6	<4.9	**2.9**	<16	<9.6	<2.5	<9.6
MC-SV-4	5	04/19/21	<12	**15**	<3	<15	<6.3	<9.7	<3.7	<12	<5.9	<4.3	<2.5	**7.2**	<1.9	<3.7	<4.3	<8	<4.6	<26	<16	<4.1	<16
	15	04/19/21	<7	**18**	<1.8	<8.9	<3.8	<5.9	<2.2	<7.1	<3.6	<2.6	<1.5	**2.8**	<1.2	<2.3	<2.6	<4.9	<2.8	<16	<9.5	<2.5	<9.5
Duplicate	15	04/19/21	<12	**32**	<3.2	<15	<6.7	<10	<3.9	<12	<6.3	<4.6	<2.6	<4.9	<2.1	<3.9	<4.5	<8.5	<4.9	<28	<17	<4.3	<17
Unbiased Borings																							
MC-SV-7	5	04/19/21	<11	<8.8	<3	<14	<6.2	<9.6	<3.6	<12	<5.8	<4.3	<2.5	<4.5	<1.9	<3.7	<4.2	<7.9	<4.6	<26	<16	<4	<16
	15	04/19/21	<7.9	**35**	<2	<9.9	<4.3	<6.6	<2.5	<8	<4	<2.9	<1.7	<3.1	<1.3	<2.5	<2.9	<5.5	<3.2	<18	<11	<2.8	<11
MC-SV-8	5	04/19/21	<12	**29**	<3.2	<15	<6.6	<10	<3.8	<12	<6.2	<4.6	<2.6	**15**	<2	<3.9	<4.5	<8.4	<4.9	<28	<17	<4.3	<17
	15	04/19/21	<16	**26**	<4.1	<20	<8.5	<13	<5	<16	<8	<5.9	<3.4	<6.2	<2.6	<5.1	<5.8	<11	<6.3	<36	<21	<5.5	<21
MC-SV-9	5	04/19/21	<13	**34**	<3.3	<16	<7	<11	<4	<13	<6.5	<4.8	<2.7	<5.1	<2.1	<4.1	<4.7	<8.9	<5.1	<29	<17	<4.5	<17
	15	04/19/21	<12	**28**	<3.1	<15	<6.5	<10	<3.8	<12	<6.1	<4.5	<2.6	**6.7**	<2	<3.8	<4.4	<8.3	<4.8	<27	<16	<4.2	<16
MC-SV-10	5	04/19/21	<8	**26**	<2.1	<10	<4.4	<6.8	<2.5	<8.2	<4.1	<3	<1.7	<3.2	<1.4	<2.6	<3	<5.6	<3.2	<18	<11	<2.8	<11
	15	04/19/21	<12	**13**	<3.2	<15	<6.6	<10	<3.8	<12	<6.2	<4.6	<2.6	<4.8	<2	<3.9	<4.5	<8.4	<4.9	<28	<17	<4.3	<17
MC-SV-11	5	04/19/21	<6.6	**30**	<1.7	<8.3	<3.6	<5.6	<2.1	<6.7	<3.4	<2.5	<1.4	<2.6	<1.1	<2.1	<2.4	<4.6	<2.7	<15	<9	<2.3	<9
	15	04/19/21	<12	<8.9	<3	<15	<6.3	<9.7	<3.6	<12	<5.9	<4.3	<2.5	<4.6	<1.9	<3.7	<4.3	<8	<4.6	<26	<16	<4.1	<16
MC-SV-12	5	04/19/21	<18	**18**	<4.6	<22	<9.6	<15	<5.6	<18	<9.1	<6.6	<3.8	<7	<3	<5.7	<6.5	<12	<7.1	<40	<24	<6.3	<24
	15	04/19/21	<6.8	**25**	<1.8	<8.7	<3.7	<5.8	<2.2	<6.9	<3.5	<2.6	<1.5	<2.7	<1.2	<2.2	<2.5	<4.7	<2.8	<16	<9.3	<2.4	<9.3
Screening Criteria																							
ESL (Residential)			100,000	1,100,000	3.2	--	2.5	85	170	--	16	1,700	350,000	4.1	3,100	280	--	--	--	--	--	37	--
ESL (Industrial)			440,000	4,500,000	14	--	11	370	730	--	68	7,300	1,500,000	18	13,000	1,200	--	--	--	--	--	160	--

Notes:
Samples analyzed using EPA Method TO-15
Units are micrograms per cubic meter (µg/m3)
bgs = below ground surface
< Denotes nondetected at the Reporting Limit indicated
-- Denotes not available
ESLs = Environmental Screening Levels after San Francisco Bay Regional Water Quality Control Board, July 2019

AVOCET ENVIRONMENTAL, INC.

Boring No.	Sample Depth (feet bgs)	Sample Date	Hexachloro-1,3-butadiene	Isopropanol	Methylene Chloride	Methyl-t-Butyl Ether (MTBE)	n-Butylbenzene	o-Xylene	p/m-Xylene	sec-Butylbenzene	Styrene	Tert-amyl-methyl ether (TAME)	tert-Butyl alcohol (TBA)	tert-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl acetate	Vinyl chloride
Kitchen, Warehouse, and Laundry Borings																						
MC-SV-1	5	04/19/21	<17	**14**	<18	<7.5	<8.6	<2.3	<9.1	<8.6	<6.7	<8.7	<6.3	<8.6	<3.5	**4**	<2.1	<4.7	<2.8	**26**	<7.4	<1.3
	15	04/19/21	<26	<20	<28	<12	<13	<3.5	<14	<13	<10	<13	<9.7	<13	**13**	**4.7**	<3.2	<7.3	<4.3	**150**	<11	<2
MC-SV-2	5	04/20/21	<19	<15	<21	<8.5	<9.7	<2.6	<10	<9.7	<7.6	<9.9	<7.2	<9.7	**33**	<2.2	<2.3	<5.4	<3.2	**150**	<8.3	<1.5
	15	04/20/21	<22	<17	<23	<9.7	<11	<2.9	<12	<11	<8.6	<11	<8.2	<11	**32**	<2.5	<2.7	<6.1	<3.6	**210**	<9.5	<1.7
MC-SV-5	5	04/20/21	<16	<12	<17	<7.2	<8.2	**3.9**	<8.7	<8.2	<6.4	<8.4	<6.1	<8.2	**17**	**3.9**	<2	<4.5	<2.7	**18**	<7	<1.3
	15	04/20/21	<20	<15	<22	<9	<10	**3.6**	<11	<10	<8	<10	<7.6	<10	**29**	**4**	<2.5	<5.7	<3.4	**41**	<8.8	<1.6
MC-SV-6	5	04/19/21	<25	**24**	<27	<11	<13	<3.3	<13	<13	<9.8	<13	<9.3	<13	**5.8**	<2.9	<3.1	<7	<4.1	**43**	<11	<2
	15	04/19/21	<16	**46**	<18	<7.3	<8.3	**7.6**	**18**	<8.3	<6.5	<8.5	<6.1	<8.3	**3.7**	**17**	<2	<4.6	<2.7	**67**	<7.1	<1.3
Duplicate	15	04/19/21	<20	**31**	<21	<8.8	<10	<2.7	<11	<10	<7.8	<10	<7.4	<10	**9.7**	**4.7**	<2.4	<5.6	<3.3	**73**	<8.6	<1.6
Former Subsurface Features																						
MC-SV-3	5	04/19/21	<19	**15**	<21	<8.7	<9.9	<2.6	<10	<9.9	<7.7	<10	<7.3	<9.9	<4.1	**2.7**	<2.4	<5.5	<3.2	**8**	<8.5	<1.5
	15	04/19/21	<18	**19**	<20	<8.3	<9.5	<2.5	<10	<9.5	<7.3	<9.6	<7	<9.5	**42**	**4.2**	<2.3	<5.2	<3.1	**110**	<8.1	<1.5
MC-SV-4	5	04/19/21	<30	**23**	<33	<14	<15	<4.1	<16	<15	<12	<16	<11	<15	<6.4	<3.5	<3.7	<8.5	<5.1	**64**	<13	<2.4
	15	04/19/21	<18	**15**	<20	<8.2	<9.4	<2.5	<9.9	<9.4	<7.3	<9.5	<6.9	<9.4	**25**	<2.1	<2.3	<5.2	<3.1	**200**	<8	<1.5
Duplicate	15	04/19/21	<32	**71**	<35	<14	<16	**5.3**	<17	<16	<13	<17	**14**	<16	**14**	**8.8**	<3.9	<9	<5.3	**190**	<14	<2.5
Unbiased Borings																						
MC-SV-7	5	04/19/21	<30	<23	<32	<13	<15	<4	<16	<15	<12	<16	<11	<15	<6.3	<3.5	<3.7	<8.4	<5	<10	<13	<2.4
	15	04/19/21	<20	**20**	<22	<9.2	<11	<2.8	<11	<11	<8.2	<11	<7.8	<11	**4.6**	<2.4	<2.5	<5.8	<3.4	**480**	<9	<1.6
MC-SV-8	5	04/19/21	<32	**53**	<34	<14	<16	<4.3	<17	<16	<13	<17	<12	<16	<6.7	<3.7	<3.9	<9	<5.3	**270**	<14	<2.5
	15	04/19/21	<41	<31	<44	<18	<21	<5.5	<22	<21	<16	<21	<15	<21	**15**	<4.8	<5.1	<12	<6.9	**260**	<18	<3.3
MC-SV-9	5	04/19/21	<33	**42**	<36	<15	<17	<4.5	<18	<17	<13	<17	<13	<17	<7.1	<3.9	<4.1	<9.4	<5.6	<12	<15	<2.7
	15	04/19/21	<31	**46**	<34	<14	<16	<4.2	<17	<16	<12	<16	<12	<16	<6.6	<3.7	<3.8	<8.8	<5.2	**54**	<14	<2.5
MC-SV-10	5	04/19/21	<21	**24**	<23	<9.4	<11	<2.8	<11	<11	<8.4	<11	<7.9	<11	**410**	**5.9**	<2.6	<5.9	**65**	<7.4	<9.2	<1.7
	15	04/19/21	<32	<24	<34	<14	<16	<4.3	<17	<16	<13	<17	<12	<16	<6.7	**5.5**	<3.9	<9	<5.3	**18**	<14	<2.5
MC-SV-11	5	04/19/21	<17	<13	<19	<7.8	<8.9	<2.3	<9.3	<8.9	<6.9	<9	<6.5	<8.9	<3.6	<2	<2.1	<4.9	<2.9	<6	<7.6	<1.4
	15	04/19/21	<30	<23	<33	<14	<15	<4.1	<16	<15	<12	<16	<11	<15	<6.4	<3.5	<3.7	<8.5	<5	<11	<13	<2.4
MC-SV-12	5	04/19/21	<46	<35	<50	<21	<24	<6.3	<25	<24	<18	<24	<17	<24	<9.8	<5.4	<5.7	<13	<7.7	<16	<20	<3.7
	15	04/19/21	<18	<14	<19	<8	<9.2	<2.4	<9.7	<9.2	<7.1	<9.3	<6.8	<9.2	<3.8	<2.1	<2.2	<5.1	<3	<6.3	<7.8	<1.4
Screening Criteria																						
ESL (Residential)			4.3	--	--	360	--	3,500	3,500	--	31,000	--	--	--	15	10,000	2,800	--	16	--	--	0.32
ESL (Industrial)			19	--	--	1,600	--	15,000	15,000	--	130,000	--	--	--	67	44,000	12,000	--	100	--	--	5.2

Notes:
Samples analyzed using EPA Method TO-15
Units are micrograms per cubic meter (µg/m3)
bgs = below ground surface
< Denotes nondetected at the Reporting Limit indicated
-- Denotes not available
ESLs = Environmental Screening Levels after San Francisco Bay Regional Water Quality Control Board, July 2019

Table 7
Preliminary Vapor Intrusion Assessment
Fairview Developmental Center Main Campus Phase II
Costa Mesa, California

Compound	Max Soil Vapor Conc.	Estimated Hypothetical Indoor Air Concentration			Commercial/Industrial Screening Levels			Residential Screening Levels		
		DTSC (0.005)	DTSC (0.001)	EPA (0.03)	SFBRWQCB ESL	DTSC-SL	EPA RSL	SFBRWQCB ESL	DTSC-SL	EPA RSL
Acetone	3.5E+01	1.8E-01	3.5E-02	1.1E+00	1.4E+05	- -	1.4E+05	3.2E+04	- -	3.2E+04
2-Butanone	1.4E+01	7.0E-02	1.4E-02	4.2E-01	2.2E+04	- -	2.2E+04	5.2E+03	- -	5.2E+03
Chloroform	1.5E+01	7.5E-02	1.5E-02	4.5E-01	5.3E-01	- -	5.3E-01	1.2E-01	- -	1.2E-01
Dichlorodifluoromethane	3.1E+00	1.6E-02	3.1E-03	9.3E-02	- -	- -	4.4E+02	- -	- -	1.0E+02
Ethanol	4.7E+02	2.4E+00	4.7E-01	1.4E+01	- -	- -	- -	- -	- -	- -
Ethylbenzene	4.3E+00	2.2E-02	4.3E-03	1.3E-01	4.9E+00	- -	4.9E+00	1.1E+00	- -	1.1E+00
Isopropanol	7.1E+01	3.6E-01	7.1E-02	2.1E+00	- -	- -	8.8E+02	- -	- -	2.1E+02
tert-Butyl alcohol (TBA)	1.4E+01	7.0E-02	1.4E-02	4.2E-01	- -	- -	- -	- -	- -	- -
Tetrachloroethene	4.1E+02	2.1E+00	4.1E-01	1.2E+01	2.0E+03*	2.0E+03*	4.7E+01	4.6E-01*	4.6E-01*	1.1E+01
Toluene	1.7E+01	8.5E-02	1.7E-02	5.1E-01	1.3E+03	1.3E+03	2.2E+04	3.1E+02	3.1E+02	5.2E+03
Trichloroethene	6.5E+01	3.3E-01	6.5E-02	2.0E+00	3.0E+00	- -	3.0E+00	4.8E-01	- -	4.8E-01
Trichlorofluoromethane	4.8E+02	2.4E+00	4.8E-01	1.4E+01	- -	1.3E+03	- -	- -	5.3E+03	- -
1,2,4-Trimethylbenzene	7.6E+00	3.8E-02	7.6E-03	2.3E-01	- -	- -	- -	- -	- -	- -
m,p-Xylene	1.8E+01	9.0E-02	1.8E-02	5.4E-01	4.4E+02	- -	4.4E+02	1.0E+02	- -	1.0E+02
o-Xylene	7.6E+00	3.8E-02	7.6E-03	2.3E-01	4.4E+02	- -	4.4E+02	1.0E+02	- -	1.0E+02

Notes:

Units are micrograms per cubic meter ($\mu g/m^3$)

DTSC-SL = DTSC-modified Screening Level after HERO HHRA Note Number 3, June 2020

ESLs = Environmental Screening Levels after San Francisco Bay Regional Water Quality Control Board, July 2019

RSL = Regional Screening Level after EPA, May 2021

Orange shading indicates projected indoor air concentration exceeds highlighted screening level

Yellow shading indicates projected indoor air concentration exceeds select highlighted screening levels, denoted with "*"

AVOCET ENVIRONMENTAL, INC.

Table 8
Data Precision for Soil Vapor Sample Duplicates
Fairview Developmental Center Main Campus Phase II
Costa Mesa, California

Well ID	Depth (feet bgs)	Date Collected	Compound	Original Sample[1] (µg/m³)		Duplicate Sample[1] (µg/m³)		Scenario[2]	Absolute Difference / 4 x SQL	Relative Percentage Difference[3] (%)
				Result	SQL	Result	SQL			
MC-SV-4	15	04/19/21	Acetone	18	5.40	32	9.50	2	14 / 21.6	NA
			Chloroform	2.8	2.80	ND	3.00	2	0.2 / 11.2	NA
			Ethanol	16	11.00	100	19.00	2	84 / 44	NA
			Isopropanol	15	14.00	71	24.00	2	56 / 56	NA
			tert-Butyl alcohol (TBA)	25	3.90	14	12.00	2	11 / 15.6	NA
			Tetrachloroethene	ND	6.90	14	6.70	2	7.1 / 26.8	NA
			Toluene	ND	2.10	8.8	3.70	2	6.7 / 8.4	NA
			Trichlorofluoromethane	200	6.40	190	11.00	1	NA	5
			o-Xylene	ND	2.50	5.3	4.30	2	2.8 / 10	NA
MC-SV-6	15	04/19/21	Acetone	35	4.80	20	5.80	2	15 / 19.2	NA
			2-Butanone	11	4.50	ND	5.40	2	5.6 / 18	NA
			Dichlorodifluoromethane	3.1	2.50	ND	3.00	2	0.1 / 10	NA
			Ethanol	34	9.50	37	12.00	2	3 / 38	NA
			Ethylbenzene	4.3	2.20	ND	2.70	2	1.6 / 8.8	NA
			Isopropanol	46.0	12.00	31	15.00	2	15 / 48	NA
			Tetrachloroethene	3.7	3.40	10	4.20	2	6 / 13.6	NA
			Toluene	17	1.90	4.7	2.30	2	12.3 / 7.6	NA
			Trichlorofluoromethane	67	5.70	73	6.90	1	NA	9
			1,2,4-Trimethylbenzene	7.6	7.50	ND	9.00	2	1.4 / 30	NA
			m,p-Xylene	18	8.80	ND	15.00	2	3 / 35.2	NA
			o-Xylene	7.6	2.20	ND	2.70	2	4.9 / 8.8	NA

Notes:
bgs = below ground surface
µg/m³ = micrograms per liter
SQL = Sample Quantitation Limit
ND = analyte not detected above the indicated SQL
Orange highlight indicates precision criteria was not met
(1) Primary and duplicate samples analyzed by Eurofins Calscience
(2) Precision criteria for VOCs in non-aqueous samples is broken into two scenarios, as described below:
Scenario 1 – Where concentrations of both the primary and duplicate samples are greater than or equal to 5 times the sample quantitation limit (SQL) they must have an RPD of less than 50
Scenario 2 – Where one or both sample/duplicate concentrations is less than the 5 times the SQL, the absolute difference must be lower than 4 times the SQL. It should be noted when the SQL for the primary and duplicate samples differ, the lower more conservative SQL was used
(3) Relative percentage difference calculated as:

$$RPD = \frac{|V_1 - V_2|}{(V_1 + V_2)/2} \times 100$$

where V_1 = original sample result.
V_2 = duplicate sample result

AVOCET ENVIRONMENTAL, INC.

Figures

AVOCET
ENVIRONMENTAL, INC.

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TALBERT OIL FIELD (ABANDONED)

WEST NEWPORT OIL FIELD

NEWPORT OIL FIELD

SITE

ORANGE COUNTY

VICINITY MAP

N

REFERENCE:
7.5-MINUTE U.S.G.S. TOPOGRAPHIC MAP OF NEWPORT BEACH
DATED: 1981

0 1,000 2,000 4,000
FEET

FIGURE 1

SITE LOCATION MAP

FAIRVIEW DEVELOPMENTAL CENTER
2501 HARBOR BOULEVARD
COSTA MESA, CALIFORNIA

AVOCET ENVIRONMENTAL, INC.

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TANAGER DRIVE
AUTO BAZZAR
COMMINUTOR
PUMP HOUSE
AUTO SHOP
TRANSPORTATION
MAIN PLANT OPERATIONS (MPO)
MERRIMAC WAY
GM DEALERSHIP
GROUNDS SHOP AND FIRE PREVENTION
FORMER RESERVOIR
FORMER STAFF APARTMENTS
PRINCETON DRIVE
OLD SWITCH HOUSE
HARBOR BOULEVARD
COSTA MESA COUNTRY CLUB (CMCC)
N SHELLEY CIRCLE
TRAINING CENTER
MARK LANE
GREGORY WAY
SCHOOL
LAUNDRY
BIOMEDICAL WASTE RECEPTACLE
STAFF HOUSING
RECEIVING & TREATING (R&T) BUILDINGS
ORANGE COAST JEEP
ROOM 114 TRANSFORMER
US GAS (FORMER HARBOR FAIR EXXON)
ADMINISTRATION
FAIR DRIVE
ROOM 105 TRANSFORMER
BOILER PLANT TRANSFORMER
SOUTH COAST MITSUBISHI
CENTRAL POWER PLANT (CPP)
AUDITORIUM
SHIPPING AND RECIEVING WAREHOUSE
CENTRAL PARK
WARD E ROOFTOP TRANSFORMER
FLORENCE CIRCLE
MAIN KITCHEN
FORMER EMPLOYEE CREDIT UNION (BUILDING REMOVED 2018)
POOL
PEARL WAY
EUGENIA WAY
KITCHEN TRANSFORMER
POOL HOUSE TRANSFORMER
N SHELLEY CIRCLE
ACTIVITY CENTER
PORTABLE CLASSROOMS
HOME DEPOT

#2 #3 #4 #5 #6 #8 #9 #10 #12 #13

25 23/24 21/22 26 27 28 29 33 32 31 30 34 35 36 37 39 38 40 41/42 43/44 18 17 19 20 15 13 11 16 14 12

N

EXPLANATION

- FDC BOUNDARY
- FORMER OR EXISTING PCB TRANSFORMER LOCATION
- 28 DORMITORY WARD NUMBER(S)
- ADMINISTRATION, EDUCATION, OR RECREATION BUILDING
- FACILITIES, OPERATION, AND MAINTENANCE BUILDING
- DORMITORY/RESIDENTIAL BUILDING
- HARBOR VILLAGE APARTMENTS LEASE
- FORMER SITE FEATURE

NOTE:
PCB = POLYCHLORINATED BIPHENYL

REFERENCE:
USGS AERIAL PHOTOGRAPH
DATED: APRIL 2, 2018

0 400 800
FEET

FIGURE 2

SITE PLAN

FAIRVIEW DEVELOPMENTAL CENTER
2501 HARBOR BOULEVARD
COSTA MESA, CALIFORNIA

AVOCET ENVIRONMENTAL, INC.

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GROUNDS SHOP
OLD SWITCH HOUSE (OSH)
COSTA MESA COUNTRY CLUB (CMCC)
16 CHEVRON NC-110
N SHELLEY CIRCLE
TVB-7 #8
MC-SV-7
TVB-8 #9
GREGORY WAY
#13
13 EXISTING OIL-COOLED TRANSFORMER
MARK LANE
HARBOR BOULEVARD
SCHOOL
N SHELLEY CIRCLE
8 FORMER 18,000 GALLON FUEL OIL USTs
MC-SV-1
MC-SV-10
TVB-2
MC-SV-2
MAIN ELECTRICAL ROOM TRANSFORMER
TVB-5 #4
#12
ROOM 114 TRANSFORMER
MC-SV-5
TVB-3
TVB-10
TVB-6 #5
MC-SV-3
MC-SV-4
11 FORMER 20,000 GALLON DIESEL UST
TVB-11
ROOM 105 TRANSFORMER
MC-SV-8
#6
10 FORMER 12,000 GALLON DIESEL UST
TVB-1
MC-SV-6
18 10,000 GALLON DIESEL ASTs
13 EXISTING OIL-COOLED TRANSFORMER
16 CHEVRON NC-112
MC-SV-11
14 EXISTING WARD E ROOFTOP TRANSFORMER
TVB-9 #10
MC-SV-9
FLORENCE CIRCLE
#2
TVB-4
#3
17 SWIMMING POOL CHEMICALS
PEARL WAY
EUGENIA WAY
POOL HOUSE TRANSFORMER
21 FORMER CONTRACTOR STAGING AREA
MC-SV-12
N SHELLEY CIRCLE
16 CHEVRON NC-114
12 CMCC ENCROACHMENT AREA

N

EXPLANATION

- SHALLOW SOIL BORING ADVANCED TO 5 FEET BELOW GROUND SURFACE (BGS)
- SOIL BORING TO 15 FEET BGS WITH VAPOR PROBES AT 5 AND 15 FEET BGS
- FORMER OR EXISTING PCB TRANSFORMER LOCATION. PCB TRANSFORMERS ARE CONSIDERED REC 1 BUT ARE NOT INDIVIDUALLY ANNOTATED AS SUCH.
- ABANDONED GEOPHYSICAL PROSPECT HOLE
- ADMINISTRATION, EDUCATION, OR RECREATION
- FACILITIES, OPERATION, AND MAINTENANCE
- DORMITORY/RESIDENTIAL
- HARBOR VILLAGE APARTMENTS LEASE
- SITE BOUNDARY
- 1 RECOGNIZED ENVIRONMENTAL CONDITION (REC)
- 7 HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITION (HREC)
- 12 OTHER ENVIRONMENTAL FEATURE (OEF)

NOTE:
1. PCB = POLYCHLORINATED BIPHENYL
2. PCB TRANSFORMERS ARE CONSIDERED REC 1 BUT ARE NOT INDIVIDUALLY ANNOTATED AS SUCH.
3. ACMs, LBP, AND UNIVERSAL WASTES THROUGHOUT THE ONSITE STRUCTURES ARE CONSIDERED OEF 15 BUT ARE NOT INDIVIDUALLY ANNOTATED.

REFERENCE:
USGS AERIAL PHOTOGRAPH
DATED: APRIL 2, 2018

0 300 600
FEET

FIGURE 3

MAIN CAMPUS INVESTIGATION LOCATIONS

FAIRVIEW DEVELOPMENTAL CENTER
2501 HARBOR BOULEVARD
COSTA MESA, CALIFORNIA

AVOCET ENVIRONMENTAL, INC.

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GROUNDS SHOP

OLD SWITCH HOUSE (OSH)

COSTA MESA COUNTRY CLUB (CMCC)

N SHELLEY CIRCLE

MARK LANE

HARBOR BOULEVARD

TVB-7	PCB 1260 (µg/kg)
0.5' BGS	<50

TVB-7 #8

TVB-8	PCB 1260 (µg/kg)
0.5' BGS	<50

TVB-8 #9

#13

TVB-2	PCB 1260 (µg/kg)
0.5' BGS	20,000
2' BGS	210
5' BGS	3,500

SCHOOL

TVB-5	PCB 1260 (µg/kg)
0.5' BGS	<50

TVB-5 #4

GREGORY WAY

TVB-11	PCB 1260 (µg/kg)
0.5' BGS	<50

TVB-10

ROOM 114 TRANSFORMER

#12

TVB-2

TVB-6 #5

TVB-6	PCB 1260 (µg/kg)
0.5' BGS	<50

MAIN ELECTRICAL ROOM TRANSFORMER

#6

TVB-3

ROOM 105 TRANSFORMER

TVB-11

FAIR DRIVE

TVB-1

TVB-10	PCB 1260 (µg/kg)
0.5' BGS	<50

TVB-4	PCB 1260 (µg/kg)
0.5' BGS	<50

TVB-3	PCB 1260 (µg/kg)
0.5' BGS	<50

EXISTING WARD E ROOFTOP TRANSFORMER

TVB-9 #10

FLORENCE CIRCLE

#2 TVB-4

#3

PEARL WAY

EUGENIA WAY

TVB-1	PCB 1260 (µg/kg)
0.5' BGS	53
2' BGS	<50
5' BGS	<50

TVB-9	PCB 1260 (µg/kg)
0.5' BGS	<50

S SHELLEY CIRCLE

N

EXPLANATION

- SHALLOW BORING TO 5-FEET BGS
- FORMER OR EXISTING PCB TRANSFORMER LOCATION. PCB TRANSFORMERS ARE CONSIDERED REC 1 BUT ARE NOT INDIVIDUALLY ANNOTATED AS SUCH.
- ADMINISTRATION, EDUCATION, OR RECREATION
- FACILITIES, OPERATION, AND MAINTENANCE
- DORMITORY/RESIDENTIAL
- HARBOR VILLAGE APARTMENTS LEASE
- SITE BOUNDARY

NOTES:
1. PCB = POLYCHLORINATED BIPHENYL
2. YELLOW HIGHLIGHTING INDICATES PCB CONCETRATION EXCEEDS DTSC-SL, SFRWQCB, AND/OR EPA RSL FOR INDUSTRIAL SOIL
3. ORANGE HIGHLIGHTING INDICATES CONCETRATION EXCEEDS DTSC-SL FOR INDUSTRIAL SOIL

REFERENCE:
USGS AERIAL PHOTOGRAPH
DATED: APRIL 2, 2018

Screening Criteria	PCB 1260 (µg/kg)
DTSC-SL	
Residential	240
Industrial	600
SFCRWQCB ESL	
Residential	230
Industrial	940
Construction Worker	5500
EPA RSL	
Residential	240
Industrial	990

0 300 600 FEET

FIGURE 4

PCBs IN SOIL

FAIRVIEW DEVELOPMENTAL CENTER
2501 HARBOR BOULEVARD
COSTA MESA, CALIFORNIA

AVOCET ENVIRONMENTAL, INC.

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GROUNDS SHOP

OLD SWITCH HOUSE (OSH)

COSTA MESA COUNTRY CLUB (CMCC)

MC - SV-7	5 FT	15 FT
PCE	<6.3	**4.6**
FREON 11	<10	**480**

N SHELLEY CIRCLE

MC - SV-2	5 FT	15 FT
PCE	**33**	**32**
FREON 11	**150**	**210**

MC - SV-1	5 FT	15 FT
PCE	<3.5	**13**
FREON 11	**26**	**150**

N SHELLEY CIRCLE

GREGORY WAY

MARK LANE

HARBOR BOULEVARD

MC-SV-7

#8

#9

#13

SCHOOL

MC - SV-10	5 FT	15 FT
PCE	**410**	<6.7
FREON 11	<7.4	**18**

MC-SV-2

MC-SV-10

MC - SV-5	5 FT	15 FT
PCE	**17**	**29**
FREON 11	**18**	**41**

MAIN ELECTRICAL ROOM TRANSFORMER

MC-SV-1

#4

#12

ROOM 114 TRANSFORMER

MC-SV-5

TVB-3

MC - SV-8	5 FT	15 FT
PCE	<6.7	**15**
FREON 11	**270**	**260**

MC-SV-3

MC-SV-4

#5

ROOM 105 TRANSFORMER

MC-SV-8

#6

MC-SV-6

FAIR

MC - SV-3	5 FT	15 FT
PCE	<4.1	**42**
FREON 11	**8**	**110**

MC - SV-4	5 FT	15 FT
PCE	<6.4	**25**
FREON 11	**64**	**200**

MC-SV-11

#10

EXISTING WARD E ROOFTOP TRANSFORMER

MC - SV-6	5 FT	15 FT
PCE	**5.8**	**9.7**
FREON 11	**43**	**73**

MC-SV-9

FLORENCE CIRCLE

MC - SV-11	5 FT	15 FT
PCE	<3.6	<6.4
FREON 11	<6	<11

#2

#3

PEARL WAY

EUGENIA WAY

POOL HOUSE TRANSFORMER

MC - SV-9	5 FT	15 FT
PCE	<7.1	<6.6
FREON 11	<12	**54**

MC-SV-12

MC - SV-12	5 FT	15 FT
PCE	<9.8	<3.8
FREON 11	<16	<6.3

S SHELLEY CIRCLE

N

EXPLANATION

- SOIL BORING TO 15 FEET BGS WITH VAPOR PROBES AT 5 AND 15 FEET BGS
- FORMER OR EXISTING PCB TRANSFORMER LOCATION. PCB TRANSFORMERS ARE CONSIDERED REC 1 BUT ARE NOT INDIVIDUALLY ANNOTATED AS SUCH.
- ADMINISTRATION, EDUCATION, OR RECREATION
- FACILITIES, OPERATION, AND MAINTENANCE
- DORMITORY/RESIDENTIAL
- HARBOR VILLAGE APARTMENTS LEASE
- SITE BOUNDARY

NOTES:
1. SOIL VAPOR UNITS ARE MICROGRAMS PER METER CUBED ($\mu g/M^3$)
2. YELLOW HIGHLIGHTING INDICATES CONCETRATION EXCEEDS SFRWQCB RESIDENTIAL INDOOR AIR SCREENING LEVEL
3. ORANGE HIGHLIGHTING INDICATES CONCETRATION EXCEEDS SFRWQCB COMMERCIAL/INDUSTRIAL INDOOR AIR SCREENING LEVEL
4. ALL SUBSURFACE FEATURE LOCATIONS ARE APPROXIMATE

REFERENCE:
USGS AERIAL PHOTOGRAPH
DATED: APRIL 2, 2018

	SFBRWQCB ESLs	
	Res.	Com./Ind.
PCE	15	67
FREON 11	- -	- -

0 300 600 FEET

FIGURE 5

PCE & FREON-11 IN SOIL VAPOR

FAIRVIEW DEVELOPMENTAL CENTER
2501 HARBOR BOULEVARD
COSTA MESA, CALIFORNIA

AVOCET ENVIRONMENTAL, INC.

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POSSIBLE PCB RELEASE

MPO-SV-5
5' - 380
15' - 250

MPO-SV-6
5' - 330
15' - 300

MPO-SV-7
5' - 230
15' - 280 J

MPO-SV-4
5' - 470
15' - 380

MPO-SV-1
5' - 250
15' - 330

PCB WASTE STORAGE BUILDING

MPO-SV-8
5' - 39
15' - 9.3

MPO-SV-11
5' - 160
15' - 160

MPO-SV-9
5' - 37
15' - 40

MERRIMAC WAY

MPO-SV-3
5' - 18
15' - 25

MPO-SV-12
5' - 100
15' - 150

MPO-SV-2
5' - 82
15' - 57 J

MPO-SV-15
5' - 11
15' - 6.3

MPO-SV-10
5' - 150 J
15' - 240

MPO-SV-14
5' - 7.1
15' - 3.5

MPO-SV-13
5' - 140 J
15' - 40

OLD SWITCH HOUSE

TANAGER DRIVE

COSTA MESA COUNTRY CLUB (CMCC)

N SHELLEY CIRCLE

HARBOR BOULEVARD

MC-SV-7
5' - ND
15' - 4.6

GREGORY WAY

MARK LANE

MC-SV-1
5' - ND
15' - 13

MC-SV-10
5' - 410
15' - ND

MC-SV-5
5' - 17
15' - 29

TVB-2

TVB-3

MC-SV-4
5' - ND
15' - 25

MC-SV-8
5' - ND
15' - 15

MC-SV-6
5' - 5.8
15' - 9.7

MC-SV-2
5' - 33
15' - 32

FAIR DRIVE

MC-SV-3
5' - ND
15' - 42

MC-SV-11
5' - ND
15' - ND

MC-SV-9
5' - ND
15' - ND

FLORENCE CIRCLE

PEARL WAY

EUGENIA WAY

MC-SV-12
5' - ND
15' - ND

N SHELLEY CIRCLE

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

EXPLANATION

- SOIL VAPOR PROBE
- SOIL BORING
- 5' - 410 — PCE CONCENTRATION IN SOIL VAPOR AT DEPTH INDICATED IN µg/m³
- ND — NON-DETECT
- PCE CONCENTRATION IN SOIL IN µg/m³ AT 5 FEET BGS, DASHED WHERE APPROXIMATE
- PCE CONCENTRATION IN SOIL IN µg/m³ AT 15 FEET BGS, DASHED WHERE APPROXIMATE
- FACILITIES, OPERATION, AND MAINTENANCE
- ADMINISTRATION, EDUCATION, OR RECREATION
- DORMITORY/RESIDENTIAL
- HARBOR VILLAGE APARTMENTS LEASE
- SITE BOUNDARY

NOTES:
1. PCE ISOCONCENTRATION LINES WERE GENERATED USING CONTOURING SOFTWARE AND LOGORITHMIC INTERPOLATION, WITH ONLY MINIMAL REFINEMENT BY HAND.

0 400 800
FEET

FIGURE 6

PCE IN SOIL VAPOR

FAIRVIEW DEVELOPMENTAL CENTER
2501 HARBOR BOULEVARD
COSTA MESA, CALIFORNIA

AVOCET ENVIRONMENTAL, INC

Appendix A

Field Boring Logs

AVOCET
ENVIRONMENTAL, INC.

Key to Soil Symbols and Terms

Major Divisions		Graphic Log	USCS Symbols	Typical Names
Coarse-Grained Soils (More than half of material is larger than No. 200 sieve)				
GRAVELS (More than half of coarse fraction is larger than No. 4 sieve.)	Clean Gravel (little or no fines)		GW	Well graded gravels, gravel-sand mixtures
			GP	Poorly graded gravels, gravel-sand mixtures, little or no fines
	Gravels with Fines (appreciable amounts of fines)		GM	Silty gravels, gravel-sand silt mixtures
			GC	Clayey gravels, gravel-sand, clay mixture
SANDS (More than half of coarse fraction is smaller than No. 4 sieve)	Clean Sands (little or no fines)		SW	Well graded sands, gravelly sand, little or no fines
			SP	Poorly graded sands, gravelly sands, little or no fines
	Sands and Fines (appreciable amounts of fines)		SM	Silty sands, sand-silt mixtures
			SC	Clayey sands, sand-clay mixtures
Fine-Grained Soils (More than half of material is smaller than No. 200 Sieve)				
SILTS AND CLAYS (Liquid limit less than 50)			ML	Silts and very fine sands, rock-flour, silty or clayey fine sands, or clayey silts with slight plasticity
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
			OL	Organic silts and organic silty clays of low plasticity
SILTS AND CLAYS (Liquid limit greater than 50)			MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
			CH	Inorganic clays of high plasticity, fat clays
			OH	Organic clays of medium to high plasticity, organic silts
HIGHLY ORGANIC SOILS			Pt	Peat and other highly organic soils

Soil Moisture

From low to high, soil moisture is indicated by:

DRY	No apparent moisture
SLIGHTLY MOIST	Slight moisture content (well below optimum)
MOIST	Near optimum moisture content for compaction
VERY MOIST	Over optimum moisture content
WET	Water completely fills soil voids (e.g. below water table)

Terms used in this report for describing soils according to their texture or grain size distributions are generally in accordance with the Unified Soil Classification System

Terms Describing Density and Consistency

COARSE-GRAINED SOILS (major portion retained on No. 200 sieve) include (1) clean gravels, (2) silty or clayey gravels, and (3) silty, clayey or gravelly sand. Relative density is related to SPT blow count corrected for overburden pressure or drive energy.

Relative Density	SPT "N" Value (Blows/ft)	Relative Density %	Characteristic
Very Loose	0 - 4	0 - 15	Easily penetrated with 1/2-inch reinforcing rod pushed by hand
Loose	4 - 10	15 - 40	Easily penetrated with 1/2-inch reinforcing rod pushed by hand
Medium Dense	10 - 30	40 - 70	Penetrated a foot with 1/2-inch reinforcing rod driven with a 5-lb hammer
Dense	30 - 50	70 - 85	Penetrated a foot with 1/2-inch reinforcing rod driven with a 5-lb hammer
Very Dense	>50	85 - 100	Penetrated only a few inches with 1/2-inch reinforcing rod driven with a 5-lb hammer

FINE-GRAINED SOILS (major portion retained on No. 200 sieve) include (1) inorganic and organic silts and clays, (2) gravelly, sandy or silty clays, and (3) clayey silts. Consistency is rated according to shearing strength, as indicated by penetrometer readings, direct shear, or SPT blow count.

Consistency	SPT "N" Value (Blows/ft)	Characteristic
Very Soft	0 - 2	Easily penetrated a few inches by fist
Soft	2 - 4	Easily penetrated a few inches by thumb
Firm	4 - 8	Penetrated a few inches by thumb with effort
Stiff	8 - 16	Readily indented by thumb, but penetrated only with great effort
Very Stiff	16 - 32	Readily indented by thumbnail
Hard	>32	Indented with difficulty

Note: Characteristics and blow counts considered uncemented deposits only. Blow count (blow/foot) is by Standard Penetration Test (SPT): 2-inch diameter sampler driven by 140-pound hammer free falling 30-inches.

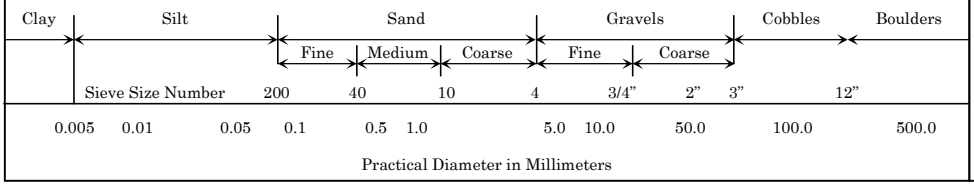
Terms Characterizing Soil Structure

SLICKENSIDED	Having inclined planes of weakness that are slick and glossy in appearance
FISSURED	Having shrinkage cracks, frequently filled with fine sand or silt, usually vertical
LAMINATED	Composed of thin layers of varying color and texture
INTERBEDDED	Composed of alternate layers of different soil types
CALCAREOUS	Containing appreciable quantities of calcium carbonate
WELL GRADED	Wide range in grain sizes and substantial amounts of intermediate particle sizes
POORLY GRADED	Mostly one grain size, or having a range of sizes without some intermediate sizes
POROUS	Having visibly apparent void spaces through which water, air, or light may pass

Size Proportions

DESIGNATION	PERCENT BY WEIGHT
TRACE	1 to 10
LITTLE	10 to 20
SOME	20 to 30

Grain Size Distribution



AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

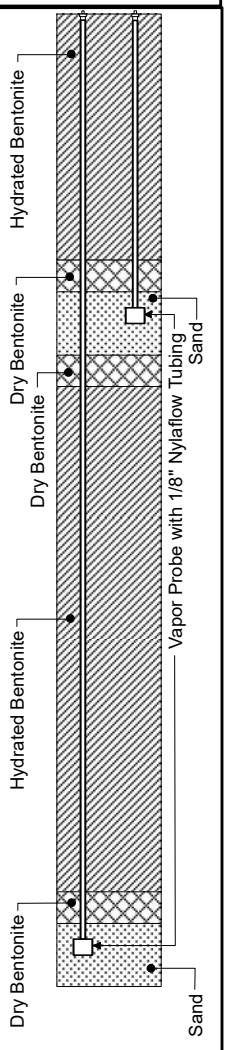
BORING No. MC-SV-1

Logged By: Colton Scott
Checked By: Deke Siren, P.G.,Ch.G
Driller: Strongarm/Armando
Drilling Method: Hand Auger/Geoprobe (3.25")
Sampling Method: Other
Sampling Interval: Continuous

Date Started: 11/25/2020
Date Completed: 11/25/2020
Boring Depth: 15.5 feet

Client: Dept. of General Services
Site: Fairview Developmental Center
Location: Costa Mesa, California
Project No.:1431.005

Depth (ft)	Sample Number	Sample Depth	PID (ppm)	Graphic Log	Soil Classification	Water Level	Description	Well Completion Details
0								
2	MC-SV-1_2		0.9		SP-SC		Dark yellowish brown (10YR 3/6), poorly graded SAND with CLAY, moist, dense, 90% fine-grained sand, 10% clayey fines, very low plasticity, no stain, no odor.	
4								
6	MC-SV-1_5		0.8		SP		Light yellowish brown (10YR 6/4), poorly graded SAND, moist, dense, 100% fine-grained sand, no stain, no odor.	
8								
10	MC-SV-1_10		0.9		SP-SM		Light yellowish brown (10YR 6/4), poorly graded SAND with SILT, dry, dense, 90% fine-grained sand, 10% silty fines, no stain, no odor.	
12								
14	MC-SV-1_15		0.7		SP		Pale brown (10YR 6/3), poorly graded SAND, moist, dense, 100% fine-grained sand, patches of orange oxidation staining, no stain, no odor.	
16								
18								
20								



Note: Total depth at 15.5 feet. Groundwater not encountered. Soil vapor probes were installed at 5' bgs and 15' bgs.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

BORING No. MC-SV-2

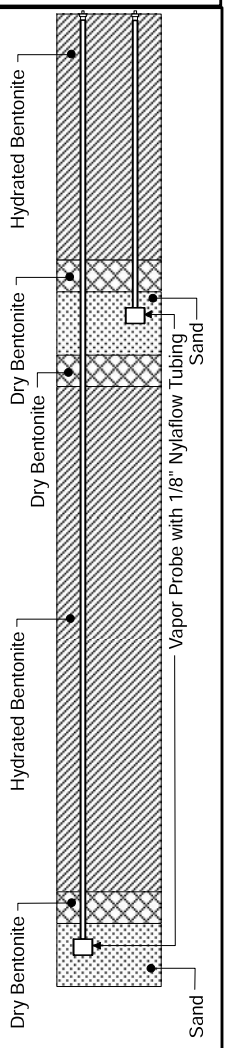
Logged By: Colton Scott
Checked By: Deke Siren, P.G.,Ch.G
Driller: Strongarm/Juan
Drilling Method: Hand Auger/Geoprobe (3.25")
Sampling Method: Other
Sampling Interval: Continuous

Date Started: 11/24/2020
Date Completed: 11/24/2020
Boring Depth: 15.5 feet

Client: Dept. of General Services
Site: Fairview Developmental Center
Location: Costa Mesa, California
Project No.:1431.005

Depth (ft)	Sample Number	Sample Depth	PID (ppm)	Graphic Log	Soil Classification	Water Level	Description
2	MC-SV-2_2		0.2		SP		Dark yellowish brown (10YR 3/6), poorly graded SAND, slightly moist, dense, 95% fine-grained sand, 5% clayey fines, no plasticity, trace rock fragments, no stain, no odor.
4	MC-SV-2_5		0.3				-as above
8					SW		
10	MC-SV-2_10		0.3				Very pale brown (10YR 7/4), well graded SAND, dry, dense, 100% fine- to medium-grained sand, trace rock fragments, no stain, no odor.
14	MC-SV-2_15		0.4				-as above except brownish yellow (10YR 6/6).
16							
18							
20							

Well Completion Details



Note: Total depth at 15.5 feet. Groundwater not encountered. Soil vapor probes were installed at 5' bgs and 15' bgs.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

BORING No. MC-SV-3

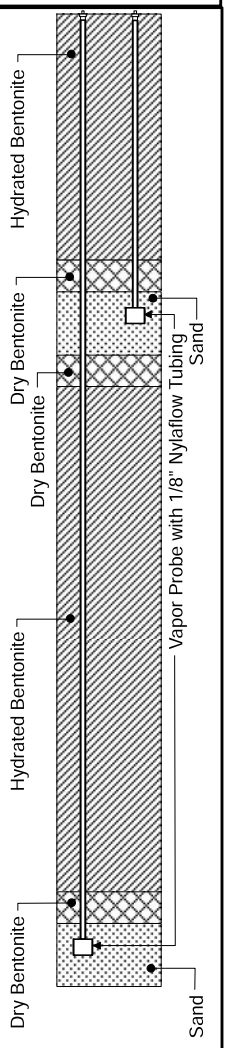
Logged By: Colton Scott
Checked By: Deke Siren, P.G.,Ch.G
Driller: Strongarm/Juan
Drilling Method: Hand Auger/Geoprobe (3.25")
Sampling Method: Other
Sampling Interval: Continuous

Date Started: 11/23/2020
Date Completed: 11/23/2020
Boring Depth: 15.5 feet

Client: Dept. of General Services
Site: Fairview Developmental Center
Location: Costa Mesa, California
Project No.:1431.005

Depth (ft)	Sample Number	Sample Depth	PID (ppm)	Graphic Log	Soil Classification	Water Level	Description
0							6" Concrete
2	MC-SV-3_2		0.1		SC		Dark brown (10YR 3/3), CLAYEY SAND, slightly moist, dense, 80% fine-grained sand, 20% clayey fines, low plasticity, no stain, no odor.
4							
6	MC-SV-3_5		0		SP-SC		Dark brown (10YR 3/3), poorly graded SAND with CLAY, slightly moist, dense, 90% fine-grained sand, 10% clayey fines, low plasticity, no stain, no odor.
8							
10	MC-SV-3_10		0.1		SP-SM		Yellowish brown (10YR 5/4), poorly graded SAND with SILT, slightly moist, dense, 90% fine-grained sand, 10% silty fines, no plasticity, no stain, no odor.
12							
14	MC-SV-3_15		0.1		SP		Light yellowish brown (10YR 6/4), poorly graded SAND, moist, dense, 95% fine-grained sand, 5% clayey fines, no plasticity, no stain, no odor.
16							
18							
20							

Well Completion Details



Note: Total depth at 15.5 feet. Groundwater not encountered. Soil vapor probes were installed at 5' bgs and 15' bgs.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

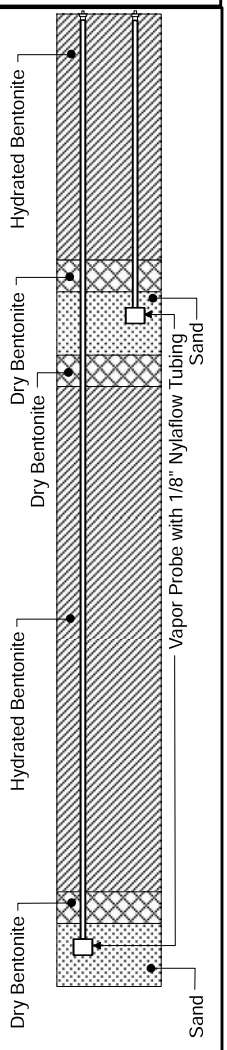
BORING No. MC-SV-4

Logged By: Colton Scott
Checked By: Deke Siren, P.G.,Ch.G
Driller: Strongarm/Juan
Drilling Method: Hand Auger/Geoprobe (3.25")
Sampling Method: Other
Sampling Interval: Continuous

Date Started: 11/24/2020
Date Completed: 11/25/2020
Boring Depth: 15.5 feet

Client: Dept. of General Services
Site: Fairview Developmental Center
Location: Costa Mesa, California
Project No.:1431.005

Depth (ft)	Sample Number	Sample Depth	PID (ppm)	Graphic Log	Soil Classification	Water Level	Description
0							
2	MC-SV-4_2		0.3		SP		Brown (10YR 5/3), poorly graded SAND, dry, dense, 90% fine-grained sand, 10% fine gravel, semi rounded, no stain, no odor.
4							
6	MC-SV-4_5		0.4		SM		Yellowish brown (10YR 5/4), SILTY SAND, dry, dense, 85% fine-grained sand, 15% silty fines, no stain, no odor.
8							
10	MC-SV-4_10		0.6				-as above
12							
14					SW		
16	MC-SV-4_15		0.8				Yellowish brown (10YR 5/6), well graded SAND, moist, dense, 100% fine- to coarse-grained sand, no stain, no odor.
18							
20							



Note: Total depth at 15.5 feet. Groundwater not encountered. Soil vapor probes were installed at 5' bgs and 15' bgs.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

BORING No. MC-SV-5

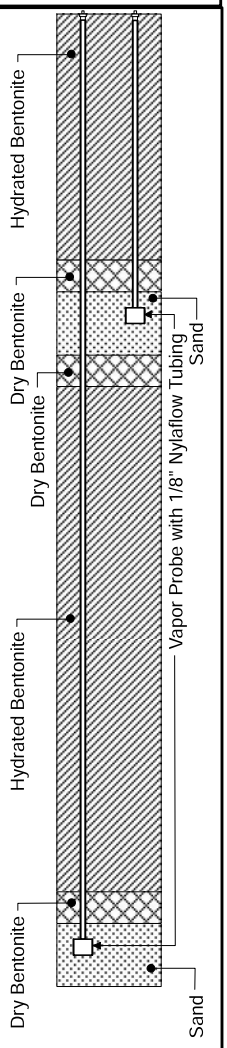
Logged By: Colton Scott
Checked By: Deke Siren, P.G.,Ch.G
Driller: Strongarm/Juan
Drilling Method: Hand Auger/Geoprobe (3.25")
Sampling Method: Other
Sampling Interval: Continuous

Date Started: 11/24/2020
Date Completed: 11/24/2020
Boring Depth: 15.5 feet

Client: Dept. of General Services
Site: Fairview Developmental Center
Location: Costa Mesa, California
Project No.:1431.005

Depth (ft)	Sample Number	Sample Depth	PID (ppm)	Graphic Log	Soil Classification	Water Level	Description
0							
2	MC-SV-5_2		0.2		SP-SC		Brownish yellow (10YR 6/6), poorly graded SAND with CLAY, dry, dense, 90% fine-grained sand, 10% clayey fines, no stain, no odor.
4							
6	MC-SV-5_5		0.2		SC		Dark yellowish brown (10YR 3/6), CLAYEY SAND, slightly moist, dense, 80% fine-grained sand, 20% clayey fines, low plasticity, no stain, no odor.
8							
10	MC-SV-5_10		0.1		SP		Yellowish brown (10YR 5/4), poorly graded SAND, slightly moist, dense, 100% fine-grained sand, no stain, no odor.
12							
14							
16	MC-SV-5_15		0.4				-as above
18							
20							

Well Completion Details



Note: Total depth at 15.5 feet. Groundwater not encountered. Soil vapor probes were installed at 5' bgs and 15' bgs.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

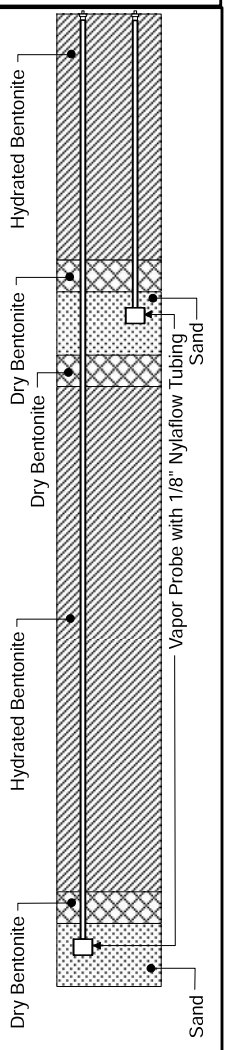
BORING No. MC-SV-6

Logged By: Colton Scott
Checked By: Deke Siren, P.G.,Ch.G
Driller: Strongarm/Juan
Drilling Method: Hand Auger/Geoprobe (3.25")
Sampling Method: Other
Sampling Interval: Continuous

Date Started: 11/23/2020
Date Completed: 11/23/2020
Boring Depth: 15.5 feet

Client: Dept. of General Services
Site: Fairview Developmental Center
Location: Costa Mesa, California
Project No.:1431.005

Depth (ft)	Sample Number	Sample Depth	PID (ppm)	Graphic Log	Soil Classification	Water Level	Description	Well Completion Details
0							6" Concrete	
2	MC-SV-6_2		0.1		SC		Dark yellowish brown (10YR 3/6), CLAYEY SAND, moist, dense, 85% fine-grained sand, 15% clayey fines, low plasticity, no stain, no odor.	
4	MC-SV-6_5		0				-as above	
6								
8								
10	MC-SV-6_10		0.1		SP		Yellowish brown (10YR 5/4), poorly graded SAND, moist, dense, 95% fine-grained sand, 5% clayey fines, no plasticity, no stain, no odor.	
12								
14								
16	MC-SV-6_15		0.1		SC		Pale brown (10YR 6/3), CLAYEY SAND, moist, dense, 85% fine-grained sand, 15% clayey fines, low plasticity, no stain, no odor.	
18								
20								



Note: Total depth at 15.5 feet. Groundwater not encountered. Soil vapor probes were installed at 5' bgs and 15' bgs.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

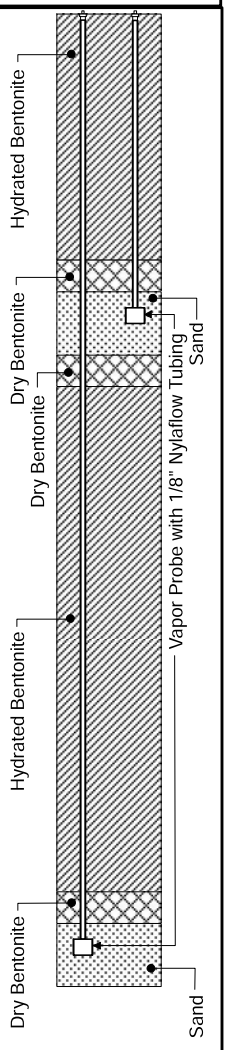
BORING No. MC-SV-7

Logged By: Colton Scott
Checked By: Deke Siren, P.G.,Ch.G
Driller: Strongarm/Francisco
Drilling Method: Hand Auger/Geoprobe (3.25")
Sampling Method: Other
Sampling Interval: Continuous

Date Started: 11/30/2020
Date Completed: 11/30/2020
Boring Depth: 15.5 feet

Client: Dept. of General Services
Site: Fairview Developmental Center
Location: Costa Mesa, California
Project No.:1431.005

Depth (ft)	Sample Number	Sample Depth	PID (ppm)	Graphic Log	Soil Classification	Water Level	Description
0							
2	MC-SV-7_2		0.2		ML		Dark brown (10YR 3/3), SILT with SAND, dry, firm, 80% silty fines, 20% fine-grained sand, no stain, no odor.
4							
6	MC-SV-7_5		0.1		SM		Light gray (10YR 7/2), SILTY SAND, slightly moist, dense, 75% fine-grained sand, 25% silty fines, light gray powder staining, no odor.
8							
10	MC-SV-7_10		0.1		SP		Very pale brown (10YR 7/4), poorly graded SAND, moist, dense, 100% fine-grained sand, oxidation stain, no odor.
12							
14							
16	MC-SV-7_15		0.1		SW		Light yellowish brown (10YR 6/4), well graded SAND, slighlty moist, dense, 100% fine- to coarse-grained sand, no stain, no odor.
18							
20							



Note: Total depth at 15.5 feet. Groundwater not encountered. Soil vapor probes were installed at 5' bgs and 15' bgs.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

BORING No. MC-SV-8

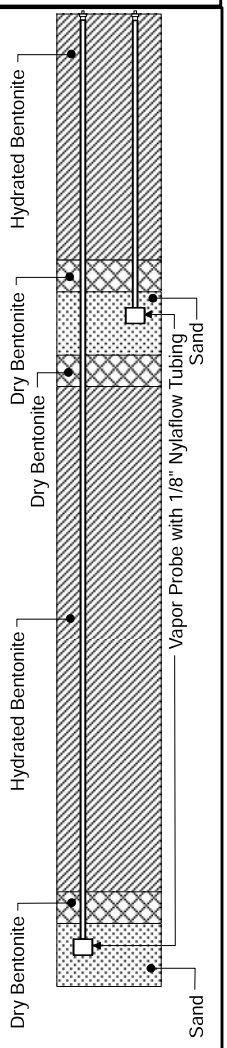
Logged By: Colton Scott
Checked By: Deke Siren, P.G.,Ch.G
Driller: Strongarm/Armando
Drilling Method: Hand Auger/Geoprobe (3.25")
Sampling Method: Other
Sampling Interval: Continuous

Date Started: 11/25/2020
Date Completed: 11/25/2020
Boring Depth: 15.5 feet

Client: Dept. of General Services
Site: Fairview Developmental Center
Location: Costa Mesa, California
Project No.:1431.005

Depth (ft)	Sample Number	Sample Depth	PID (ppm)	Graphic Log	Soil Classification	Water Level	Description
0							
2	MC-SV-8_2		0.9		SP-SM		Dark yellowish brown (10YR 4/6), poorly graded SAND with SILT, dry, dense, 90% fine-grained sand, 10% silty fines, no plasticity, no stain, no odor.
4							
6	MC-SV-8_5		1				-as above
8							
10	MC-SV-8_10		0.7		SP		Yellowish brown (10YR 5/4), poorly graded SAND, slightly moist, dense, 100% fine-grained sand, no stain, no odor.
12							
14							
16	MC-SV-8_15		0.8				-as above except yellowish brown (10YR 5/6)
18							
20							

Well Completion Details



Note: Total depth at 15.5 feet. Groundwater not encountered. Soil vapor probes were installed at 5' bgs and 15' bgs.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

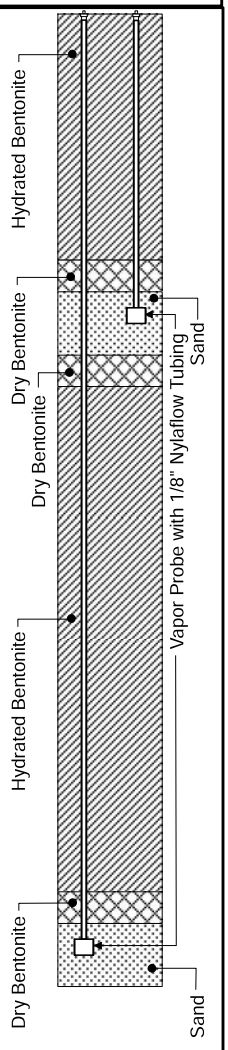
BORING No. MC-SV-9

Logged By: Colton Scott
Checked By: Deke Siren, P.G.,Ch.G
Driller: Strongarm/Francisco
Drilling Method: Hand Auger/Geoprobe (3.25")
Sampling Method: Other
Sampling Interval: Continuous

Date Started: 11/30/2020
Date Completed: 11/30/2020
Boring Depth: 15.5 feet

Client: Dept. of General Services
Site: Fairview Developmental Center
Location: Costa Mesa, California
Project No.:1431.005

Depth (ft)	Sample Number	Sample Depth	PID (ppm)	Graphic Log	Soil Classification	Water Level	Description	Well Completion Details
0–4	MC-SV-9_2		0.1		SP		Dark yellowish brown (10YR 3/6), poorly graded SAND, slightly moist, dense, 100% fine-grained sand, no stain, no odor.	
4–6	MC-SV-9_5		0.2		SP-SM		Dark yellowish brown (10YR 3/6), poorly graded SAND with SILT, slightly moist, dense, 90% fine-grained sand, 10% silty fines, no stain, no odor.	
6–10								
10–14	MC-SV-9_10		0.1				-as above except yellowish brown (10YR 5/6)	
14–16	MC-SV-9_15		0.2		SP		Light yellowish brown (10YR 6/4), poorly graded SAND, moist, dense, 100% fine-grained sand, no stain, no odor.	
16–20								



Note: Total depth at 15.5 feet. Groundwater not encountered. Soil vapor probes were installed at 5' bgs and 15' bgs.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

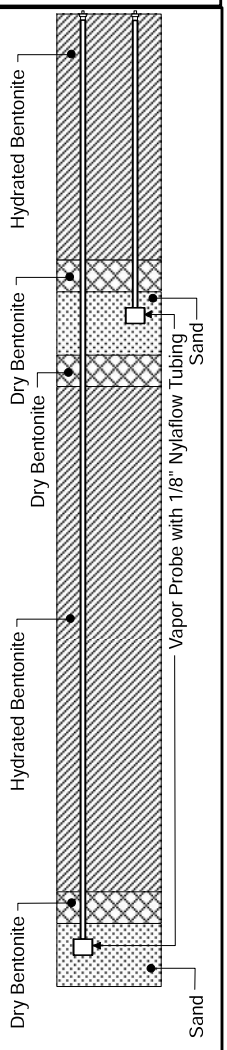
BORING No. MC-SV-10

Logged By: Colton Scott
Checked By: Deke Siren, P.G.,Ch.G
Driller: Strongarm/Francisco
Drilling Method: Hand Auger/Geoprobe (3.25")
Sampling Method: Other
Sampling Interval: Continuous

Date Started: 11/30/2020
Date Completed: 11/30/2020
Boring Depth: 15.5 feet

Client: Dept. of General Services
Site: Fairview Developmental Center
Location: Costa Mesa, California
Project No.:1431.005

Depth (ft)	Sample Number	Sample Depth	PID (ppm)	Graphic Log	Soil Classification	Water Level	Description	Well Completion Details
0								
2	MC-SV-10_2		0		SM		Dark brown (10YR 3/3), SILTY SAND, dry, dense, 85% fine-grained sand, 15% silty fines, no stain, no odor.	
4								
6	MC-SV-10_5		0		SP-SM		Yellowish brown (10YR 5/6), poorly graded SAND with SILT, dry, dense, 90% fine-grained sand, 10% silty fines, no stain, no odor.	
8								
10	MC-SV-10_10		0		SW		Light yellowish brown (10YR 6/4), well graded SAND, dry, dense, 100% fine- to coarse-grained sand, no stain, no odor.	
12								
14								
16	MC-SV-10_15		0.1				-as above	
18								
20								



Note: Total depth at 15.5 feet. Groundwater not encountered. Soil vapor probes were installed at 5' bgs and 15' bgs.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

BORING No. MC-SV-11

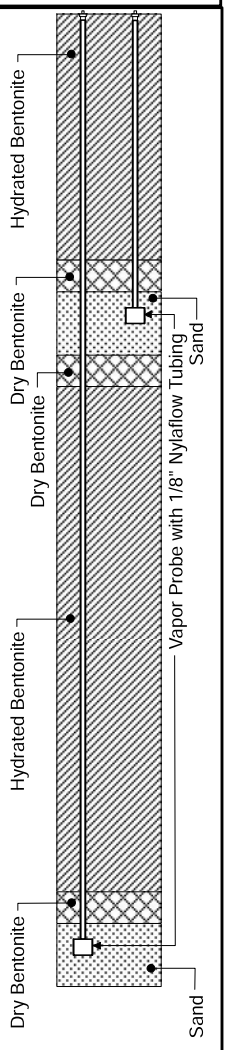
Logged By: Colton Scott
Checked By: Deke Siren, P.G.,Ch.G
Driller: Strongarm/Juan
Drilling Method: Hand Auger/Geoprobe (3.25")
Sampling Method: Other
Sampling Interval: Continuous

Date Started: 11/23/2020
Date Completed: 11/23/2020
Boring Depth: 15.5 feet

Client: Dept. of General Services
Site: Fairview Developmental Center
Location: Costa Mesa, California
Project No.:1431.005

Depth (ft)	Sample Number	Sample Depth	PID (ppm)	Graphic Log	Soil Classification	Water Level	Description
0							
2	MC-SV-11_2		0		SC		Dark yellowish brown (10YR 4/6), CLAYEY SAND, dry, dense, 80% fine- to medium-grained sand, 20% clayey fines, very low plasticity, no stain, no odor.
4							
6	MC-SV-11_5		0		SW-SC		Yellowish brown (10YR 5/4), well graded SAND with CLAY, slightly moist, dense, 90% fine- to coarse-grained sand, 10% clayey fines, no plasticity, no stain, no odor.
8							
10	MC-SV-11_10		0		SW		Yellowish brown (10YR 5/8), well graded SAND, moist, dense, 100% fine- to medium-grained sand, no stain, no odor.
12							
14							-as above
16	MC-SV-11_15		0.1				
18							
20							

Well Completion Details



Note: Total depth at 15.5 feet. Groundwater not encountered. Soil vapor probes were installed at 5' bgs and 15' bgs.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

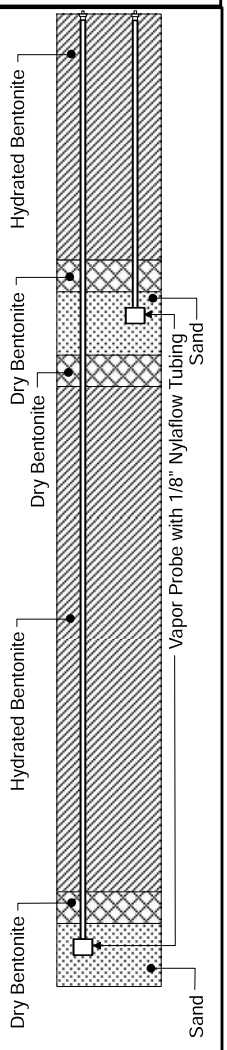
BORING No. MC-SV-12

Logged By: Colton Scott
Checked By: Deke Siren, P.G.,Ch.G
Driller: Strongarm/Francisco
Drilling Method: Hand Auger/Geoprobe (3.25")
Sampling Method: Other
Sampling Interval: Continuous

Date Started: 11/30/2020
Date Completed: 11/30/2020
Boring Depth: 15.5 feet

Client: Dept. of General Services
Site: Fairview Developmental Center
Location: Costa Mesa, California
Project No.:1431.005

Depth (ft)	Sample Number	Sample Depth	PID (ppm)	Graphic Log	Soil Classification	Water Level	Description	Well Completion Details
0								
2	MC-SV-12_2		0		SP		Yellowish brown (10YR 5/4), poorly graded SAND with GRAVEL, dry, dense, 80% fine-grained sand, 15% fine angular gravel, 5% silty fines, no stain, no odor.	
4								
6	MC-SV-12_5		0.1		SC		Dark yellowish brown (10YR 4/6), CLAYEY SAND, slightly moist, dense, 80% fine-grained sand, 20% clayey fines, very little plasticity, no stain, no odor.	
8								
10	MC-SV-12_10		0		SP		Yellow (10YR 7/6), poorly graded SAND, dry, dense, 100% fine-grained sand, no stain, no odor.	
12								
14								
16	MC-SV-12_15		0.1		SW		Yellowish brown (10YR 5/4), well graded SAND, dry, dense, 100% fine- to medium-grained sand, no stain, no odor.	
18								
20								



Note: Total depth at 15.5 feet. Groundwater not encountered. Soil vapor probes were installed at 5' bgs and 15' bgs.

AVOCET ENVIRONMENTAL, INC.

Appendix B

Eurofins Laboratory Reports, Soil

AVOCET
ENVIRONMENTAL, INC.

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-44552-1
Client Project/Site: Fairview Development Center / 1431.005

For:
Avocet Environmental Inc
1 Technology Drive
Suite C515
Irvine, California 92618

Attn: Deke Siren

Virendra R Patel

Authorized for release by:
12/2/2020 8:52:24 AM

Virendra Patel, Project Manager I
(714)895-5494
Virendra.Patel@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Avocet Environmental Inc
Job ID: 570-44552-1
Project/Site: Fairview Development Center / 1431.005

Qualifiers

GC Semi VOA

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

Glossary

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

Job ID: 570-44552-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-44552-1

Comments
No additional comments.

Receipt
The samples were received on 11/23/2020 3:28 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.1º C.

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

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

Detection Summary

Client: Avocet Environmental Inc
Job ID: 570-44552-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: TVB-10_0.5
Lab Sample ID: 570-44552-5

No Detections.

Client Sample ID: TVB-11_0.5
Lab Sample ID: 570-44552-6

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Avocet Environmental Inc
Job ID: 570-44552-1
Project/Site: Fairview Development Center / 1431.005

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

Client Sample ID: TVB-10_0.5
Date Collected: 11/23/20 13:46
Date Received: 11/23/20 15:28

Lab Sample ID: 570-44552-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/24/20 10:54	11/25/20 07:49	1
Aroclor-1221	ND		50		ug/Kg		11/24/20 10:54	11/25/20 07:49	1
Aroclor-1232	ND		50		ug/Kg		11/24/20 10:54	11/25/20 07:49	1
Aroclor-1242	ND		50		ug/Kg		11/24/20 10:54	11/25/20 07:49	1
Aroclor-1248	ND		50		ug/Kg		11/24/20 10:54	11/25/20 07:49	1
Aroclor-1254	ND		50		ug/Kg		11/24/20 10:54	11/25/20 07:49	1
Aroclor-1260	ND		50		ug/Kg		11/24/20 10:54	11/25/20 07:49	1
Aroclor-1262	ND		50		ug/Kg		11/24/20 10:54	11/25/20 07:49	1
Aroclor-1268	ND		50		ug/Kg		11/24/20 10:54	11/25/20 07:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*20 - 155*	*11/24/20 10:54*	*11/25/20 07:49*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*25 - 126*	*11/24/20 10:54*	*11/25/20 07:49*	*1*

Client Sample ID: TVB-11_0.5
Date Collected: 11/23/20 14:05
Date Received: 11/23/20 15:28

Lab Sample ID: 570-44552-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		49		ug/Kg		11/24/20 10:54	11/25/20 08:07	1
Aroclor-1221	ND		49		ug/Kg		11/24/20 10:54	11/25/20 08:07	1
Aroclor-1232	ND		49		ug/Kg		11/24/20 10:54	11/25/20 08:07	1
Aroclor-1242	ND		49		ug/Kg		11/24/20 10:54	11/25/20 08:07	1
Aroclor-1248	ND		49		ug/Kg		11/24/20 10:54	11/25/20 08:07	1
Aroclor-1254	ND		49		ug/Kg		11/24/20 10:54	11/25/20 08:07	1
Aroclor-1260	ND		49		ug/Kg		11/24/20 10:54	11/25/20 08:07	1
Aroclor-1262	ND		49		ug/Kg		11/24/20 10:54	11/25/20 08:07	1
Aroclor-1268	ND		49		ug/Kg		11/24/20 10:54	11/25/20 08:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*20 - 155*	*11/24/20 10:54*	*11/25/20 08:07*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*25 - 126*	*11/24/20 10:54*	*11/25/20 08:07*	*1*

Surrogate Summary

Client: Avocet Environmental Inc
Job ID: 570-44552-1
Project/Site: Fairview Development Center / 1431.005

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

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	DCB1 (20-155)	TCX1 (25-126)										
570-44252-B-1-B MS	Matrix Spike	76	74										
570-44252-B-1-C MSD	Matrix Spike Duplicate	77	74										
570-44552-5	TVB-10_0.5	86	93										
570-44552-6	TVB-11_0.5	76	81										
LCS 570-111918/4-A	Lab Control Sample	92	101										
LCSD 570-111918/5-A	Lab Control Sample Dup	97	106										
MB 570-111918/1-A	Method Blank	65	71										

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

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

Lab Sample ID: MB 570-111918/1-A
Matrix: Solid
Analysis Batch: 112020

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111918

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/23/20 19:58	11/25/20 06:20	1
Aroclor-1221	ND		50		ug/Kg		11/23/20 19:58	11/25/20 06:20	1
Aroclor-1232	ND		50		ug/Kg		11/23/20 19:58	11/25/20 06:20	1
Aroclor-1242	ND		50		ug/Kg		11/23/20 19:58	11/25/20 06:20	1
Aroclor-1248	ND		50		ug/Kg		11/23/20 19:58	11/25/20 06:20	1
Aroclor-1254	ND		50		ug/Kg		11/23/20 19:58	11/25/20 06:20	1
Aroclor-1260	ND		50		ug/Kg		11/23/20 19:58	11/25/20 06:20	1
Aroclor-1262	ND		50		ug/Kg		11/23/20 19:58	11/25/20 06:20	1
Aroclor-1268	ND		50		ug/Kg		11/23/20 19:58	11/25/20 06:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*65*		*20 - 155*	*11/23/20 19:58*	*11/25/20 06:20*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*25 - 126*	*11/23/20 19:58*	*11/25/20 06:20*	*1*

Lab Sample ID: LCS 570-111918/4-A
Matrix: Solid
Analysis Batch: 112020

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111918

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			50.0	43.95	J	ug/Kg		88	50 - 142		
Aroclor-1260			50.0	36.80	J	ug/Kg		74	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*92*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*101*		*25 - 126*

Lab Sample ID: LCSD 570-111918/5-A
Matrix: Solid
Analysis Batch: 112020

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111918

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016			50.0	43.59	J	ug/Kg		87	50 - 142	1	30
Aroclor-1260			50.0	36.00	J	ug/Kg		72	50 - 150	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*97*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*106*		*25 - 126*

Lab Sample ID: 570-44252-B-1-B MS
Matrix: Solid
Analysis Batch: 112020

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 111918

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016	ND		99.9	86.04		ug/Kg		86	20 - 175		
Aroclor-1260	ND		99.9	82.51		ug/Kg		83	20 - 180		

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

Lab Sample ID: 570-44252-B-1-B MS
Matrix: Solid
Analysis Batch: 112020

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 111918

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*76*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*74*		*25 - 126*

Lab Sample ID: 570-44252-B-1-C MSD
Matrix: Solid
Analysis Batch: 112020

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 111918

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		99.8	84.66		ug/Kg		85	20 - 175	2	40
Aroclor-1260	ND		99.8	84.81		ug/Kg		85	20 - 180	3	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*77*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*74*		*25 - 126*

Client: Avocet Environmental Inc
Job ID: 570-44552-1
Project/Site: Fairview Development Center / 1431.005

GC Semi VOA

Cleanup Batch: 111775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44252-B-1-B MS	Matrix Spike	Total/NA	Solid	Concrete Crush	
570-44252-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	Concrete Crush	

Prep Batch: 111918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44552-5	TVB-10_0.5	Total/NA	Solid	3546	
570-44552-6	TVB-11_0.5	Total/NA	Solid	3546	
MB 570-111918/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-111918/4-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-111918/5-A	Lab Control Sample Dup	Total/NA	Solid	3546	
570-44252-B-1-B MS	Matrix Spike	Total/NA	Solid	3546	111775
570-44252-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	111775

Analysis Batch: 112020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44552-5	TVB-10_0.5	Total/NA	Solid	8082	111918
570-44552-6	TVB-11_0.5	Total/NA	Solid	8082	111918
MB 570-111918/1-A	Method Blank	Total/NA	Solid	8082	111918
LCS 570-111918/4-A	Lab Control Sample	Total/NA	Solid	8082	111918
LCSD 570-111918/5-A	Lab Control Sample Dup	Total/NA	Solid	8082	111918
570-44252-B-1-B MS	Matrix Spike	Total/NA	Solid	8082	111918
570-44252-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	111918

Lab Chronicle

Client: Avocet Environmental Inc
Job ID: 570-44552-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: TVB-10_0.5
Lab Sample ID: 570-44552-5
Date Collected: 11/23/20 13:46
Matrix: Solid
Date Received: 11/23/20 15:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.14 g	10 mL	111918	11/24/20 10:54	USUL	ECL 1
Total/NA	Analysis	8082		1			112020	11/25/20 07:49	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: TVB-11_0.5
Lab Sample ID: 570-44552-6
Date Collected: 11/23/20 14:05
Matrix: Solid
Date Received: 11/23/20 15:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.43 g	10 mL	111918	11/24/20 10:54	USUL	ECL 1
Total/NA	Analysis	8082		1			112020	11/25/20 08:07	UHHN	ECL 1
	Instrument ID: GC58									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Avocet Environmental Inc
Job ID: 570-44552-1
Project/Site: Fairview Development Center / 1431.005

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	SCAQMD LAP	17LA0919	11-30-20
California	State	2944	09-30-21
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

Method Summary

Client: Avocet Environmental Inc
Job ID: 570-44552-1
Project/Site: Fairview Development Center / 1431.005

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
3546	Microwave Extraction	SW846	ECL 1

Protocol References:

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

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Avocet Environmental Inc
Job ID: 570-44552-1
Project/Site: Fairview Development Center / 1431.005

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-44552-5	TVB-10_0.5	Solid	11/23/20 13:46	11/23/20 15:28	
570-44552-6	TVB-11_0.5	Solid	11/23/20 14:05	11/23/20 15:28	

AVOCET ENVIRONMENTAL, INC.
1 Technology Drive, Suite C515
Irvine, California 92618-5302
TEL (949) 296-0977
FAX (949) 296-0978

Sheet 1 of 1

44552

CHAIN OF CUSTODY RECORD

Project Information:	Event Name:
Site Name	Fairview Developmental Center
Site Location	Costa Mesa, Ca
Project No.	1431.005
Project Manager	Deke Siren
Sampled By	SRR
Turnaround Time	[redacted]

ECI Project # 57006451

Sample Identification	Sample Date	Sample Time	Matrix	No. of Cntnrs.	Lab I.D. Number	TPH (C6-44) by EPA 8015B	VOCs by EPA 8260B/5035	SVOCs by EPA 8270 SIM	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	CrVI by EPA 7199	HOLD
TVB - 10 _2	11/23/20	13:49	Soil	1	1			~~X~~				X
TVB - 10 _5	11/23/20	13:57	Soil	1	2			~~X~~				X
TVB - 11 _2	11/23/20	14:08	Soil	1	3			~~X~~				X
TVB - 11 _5	11/23/20	14:13	Soil	1	4			~~X~~				X
TVB - 10 _0.5	11/23/20	13:46	Soil	1	5				X			
TVB - 11 _0.5	11/23/20	14:05	Soil	1	6				X			
~~TVB - _2~~												
~~TVB - _5~~												
~~TVB - _2~~												
~~TVB - _5~~												
~~TVB - _2~~												
~~TVB - _5~~												

Analyses

Do not analyze

1R

570-44552 Chain of Custody

Relinquished by		Company	Received by		Company
Printed Name: Scott Ruud	Date: 11/23/20	Avocet Environmental, Inc.	Printed Name: Antonio Cortez	Date: 11-23-2020	ECI
Signature:	Time: 1528		Signature:	Time: 15:28	
Printed Name:	Date:		Printed Name:	Date:	
Signature:	Time:		Signature:	Time:	
Printed Name:	Date:		Printed Name:	Date:	
Signature:	Time:		Signature:	Time:	

Sample Receipt		Billing Information	Special Instructions
Total Containers	TAT	Bill To: Philip Miller, P.E. AVOCET ENVIRONMENTAL, INC. 1 Technology Dive, Suite C515 Irvine, CA 92618-5302	Please bill to Avocet. If any questions, please call Scott Ruud at (949) 296-0977 x115.
Temperature °C / °F	Lab No.		
COC Seal (Y/N/NA)	Intact (Y/N)		

3.9/3.1 SC6

Login Sample Receipt Checklist

Client: Avocet Environmental Inc

Job Number: 570-44552-1

Login Number: 44552

List Number: 1

Creator: Cortez Diaz, Antonio

List Source: Eurofins Calscience

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

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-44564-1
Client Project/Site: Fairview Development Center / 1431.005

For:
Avocet Environmental Inc
1 Technology Drive
Suite C515
Irvine, California 92618

Attn: Deke Siren

Virendra R Patel

Authorized for release by:
12/2/2020 3:47:28 PM

Virendra Patel, Project Manager I
(714)895-5494
Virendra.Patel@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Avocet Environmental Inc
Job ID: 570-44564-1
Project/Site: Fairview Development Center / 1431.005

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
F2	MS/MSD RPD exceeds control limits

GC Semi VOA

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

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
L	A negative instrument reading had an absolute value greater than the reporting limit

Glossary

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

Job ID: 570-44564-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-44564-1

Comments
No additional comments.

Receipt
The samples were received on 11/23/2020 3:27 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.1º C.

GC/MS VOA
Method 8260B: The following analyte(s) recovered outside control limits for the LCS associated with analytical batch 570-111994: 1,1,2-Trichloro-1,2,2-trifluoroethane. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-111994.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-112639.

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

GC/MS Semi VOA
Method 8270C SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-112944 and analytical batch 570-113173 recovered outside control limits for the following analytes: Benzidine.

Method 8270C SIM: The continuing calibration verification (CCV) associated with batch 570-113173 recovered above the upper control limit for 2-Nitrophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

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

Metals
Method 6010B: Due to the high concentration of Barium the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 570-112923 and analytical batch 570-113050 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-112923 and analytical batch 570-113050 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010B: The absolute response for Silver was greater than the method reporting limit (RL) in the following sample: MC-SV-11_2 (570-44564-1).
The instrument raw data has been manually reviewed and the result can be reported as ND.

Method 6010B: The absolute response for Molybdenum was greater than the method reporting limit (RL) in the following sample: MC-SV-11_2 (570-44564-1).
The instrument raw data has been manually reviewed and the result can be reported as ND.

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

Job ID: 570-44564-1 (Continued)

Laboratory: Eurofins Calscience LLC (Continued)

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

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

Detection Summary

Client: Avocet Environmental Inc
Job ID: 570-44564-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: MC-SV-11_2 — Lab Sample ID: 570-44564-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perthane	0.040		0.010		mg/Kg	1		8270C SIM	Total/NA
Arsenic	2.59		0.725		mg/Kg	1		6010B	Total/NA
Barium	144		0.483		mg/Kg	1		6010B	Total/NA
Beryllium	0.820		0.242		mg/Kg	1		6010B	Total/NA
Cobalt	6.28		0.242		mg/Kg	1		6010B	Total/NA
Chromium	17.0		0.242		mg/Kg	1		6010B	Total/NA
Copper	4.79		0.483		mg/Kg	1		6010B	Total/NA
Nickel	11.1		0.242		mg/Kg	1		6010B	Total/NA
Vanadium	33.0		0.242		mg/Kg	1		6010B	Total/NA
Zinc	32.4		0.966		mg/Kg	1		6010B	Total/NA
Lead	1.29		0.483		mg/Kg	1		6010B	Total/NA

Client Sample ID: MC-SV-11_10 — Lab Sample ID: 570-44564-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perthane	0.023		0.010		mg/Kg	1		8270C SIM	Total/NA
Barium	46.3		0.524		mg/Kg	1		6010B	Total/NA
Cobalt	2.14		0.262		mg/Kg	1		6010B	Total/NA
Chromium	5.02		0.262		mg/Kg	1		6010B	Total/NA
Copper	1.40		0.524		mg/Kg	1		6010B	Total/NA
Molybdenum	0.991		0.262		mg/Kg	1		6010B	Total/NA
Nickel	2.98		0.262		mg/Kg	1		6010B	Total/NA
Vanadium	18.0		0.262		mg/Kg	1		6010B	Total/NA
Zinc	12.2		1.05		mg/Kg	1		6010B	Total/NA
Lead	0.769		0.524		mg/Kg	1		6010B	Total/NA

Client Sample ID: MC-SV-3_5 — Lab Sample ID: 570-44564-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C6-C44	14		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	13		5.0		mg/Kg	1		8015B	Total/NA

Client Sample ID: MC-SV-3_10 — Lab Sample ID: 570-44564-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	24		23		ug/Kg	1		8260B	Total/NA
C19-C20	5.9		5.1		mg/Kg	1		8015B	Total/NA
C21-C22	6.1		5.1		mg/Kg	1		8015B	Total/NA
C6-C44	25		5.1		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	18		5.1		mg/Kg	1		8015B	Total/NA

Client Sample ID: MC-SV-6_2 — Lab Sample ID: 570-44564-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	29		16		ug/Kg	1		8260B	Total/NA
C6-C44	11		5.0		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	6.0		5.0		mg/Kg	1		8015B	Total/NA

Client Sample ID: MC-SV-6_5 — Lab Sample ID: 570-44564-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	22		21		ug/Kg	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Avocet Environmental Inc
Job ID: 570-44564-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: TB_20201123
Lab Sample ID: 570-44564-13

No Detections.

Client Sample ID: EB_20201123
Lab Sample ID: 570-44564-14

No Detections.

This Detection Summary does not include radiochemical test results.

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

Client Sample ID: MC-SV-11_2
Date Collected: 11/23/20 08:40
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
1,1,1-Trichloroethane	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
1,1,2,2-Tetrachloroethane	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	11		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
1,1,2-Trichloroethane	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
1,1-Dichloroethane	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
1,1-Dichloroethene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
1,1-Dichloropropene	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
1,2,3-Trichlorobenzene	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
1,2,3-Trichloropropane	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
1,2,4-Trichlorobenzene	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
1,2,4-Trimethylbenzene	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
1,2-Dibromo-3-Chloropropane	ND		11		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
1,2-Dibromoethane	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
1,2-Dichlorobenzene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
1,2-Dichloroethane	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
1,2-Dichloropropane	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
1,3,5-Trimethylbenzene	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
1,3-Dichlorobenzene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
1,3-Dichloropropane	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
1,4-Dichlorobenzene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
2,2-Dichloropropane	ND		5.3		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
2-Butanone	ND		21		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
2-Chlorotoluene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
2-Hexanone	ND		21		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
4-Chlorotoluene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
4-Methyl-2-pentanone	ND		21		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Acetone	ND		21		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Benzene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Bromobenzene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Bromochloromethane	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Bromodichloromethane	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Bromoform	ND		5.3		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Bromomethane	ND		21		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
cis-1,2-Dichloroethene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
cis-1,3-Dichloropropene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Carbon disulfide	ND		11		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Carbon tetrachloride	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Chlorobenzene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Chloroethane	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Chloroform	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Chloromethane	ND		21		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Dibromochloromethane	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Dibromomethane	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Dichlorodifluoromethane	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Di-isopropyl ether (DIPE)	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Ethanol	ND		270		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Ethylbenzene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Ethyl-t-butyl ether (ETBE)	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1

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

Client Sample ID: MC-SV-11_2
Date Collected: 11/23/20 08:40
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Methylene Chloride	ND		11		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Methyl-t-Butyl Ether (MTBE)	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Naphthalene	ND		11		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
n-Butylbenzene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
N-Propylbenzene	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
o-Xylene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
m,p-Xylene	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
p-Isopropyltoluene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
sec-Butylbenzene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Styrene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
trans-1,2-Dichloroethene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
trans-1,3-Dichloropropene	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Tert-amyl-methyl ether (TAME)	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
tert-Butyl alcohol (TBA)	ND		21		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
tert-Butylbenzene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Tetrachloroethene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Toluene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Trichloroethene	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Trichlorofluoromethane	ND		11		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Vinyl acetate	ND		11		ug/Kg		11/23/20 21:27	11/24/20 13:35	1
Vinyl chloride	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*71 - 155*	*11/23/20 21:27*	*11/24/20 13:35*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*11/23/20 21:27*	*11/24/20 13:35*	*1*
Dibromofluoromethane (Surr)	*94*		*79 - 133*	*11/23/20 21:27*	*11/24/20 13:35*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*	*11/23/20 21:27*	*11/24/20 13:35*	*1*

Client Sample ID: MC-SV-11_10
Date Collected: 11/23/20 09:15
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
1,1,1-Trichloroethane	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
1,1,2,2-Tetrachloroethane	ND		2.9		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	15		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
1,1,2-Trichloroethane	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
1,1-Dichloroethane	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
1,1-Dichloroethene	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
1,1-Dichloropropene	ND		2.9		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
1,2,3-Trichlorobenzene	ND		2.9		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
1,2,3-Trichloropropane	ND		2.9		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
1,2,4-Trichlorobenzene	ND		2.9		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
1,2,4-Trimethylbenzene	ND		2.9		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
1,2-Dibromo-3-Chloropropane	ND		15		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
1,2-Dibromoethane	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
1,2-Dichlorobenzene	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
1,2-Dichloroethane	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
1,2-Dichloropropane	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1

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

Client Sample ID: MC-SV-11_10
Date Collected: 11/23/20 09:15
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		2.9		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
1,3-Dichlorobenzene	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
1,3-Dichloropropane	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
1,4-Dichlorobenzene	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
2,2-Dichloropropane	ND		7.3		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
2-Butanone	ND		29		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
2-Chlorotoluene	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
2-Hexanone	ND		29		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
4-Chlorotoluene	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
4-Methyl-2-pentanone	ND		29		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Acetone	ND		29		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Benzene	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Bromobenzene	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Bromochloromethane	ND		2.9		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Bromodichloromethane	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Bromoform	ND		7.3		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Bromomethane	ND		29		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
cis-1,2-Dichloroethene	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
cis-1,3-Dichloropropene	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Carbon disulfide	ND		15		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Carbon tetrachloride	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Chlorobenzene	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Chloroethane	ND		2.9		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Chloroform	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Chloromethane	ND		29		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Dibromochloromethane	ND		2.9		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Dibromomethane	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Dichlorodifluoromethane	ND		2.9		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Di-isopropyl ether (DIPE)	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Ethanol	ND		370		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Ethylbenzene	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Ethyl-t-butyl ether (ETBE)	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Isopropylbenzene	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Methylene Chloride	ND		15		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Methyl-t-Butyl Ether (MTBE)	ND		2.9		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Naphthalene	ND		15		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
n-Butylbenzene	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
N-Propylbenzene	ND		2.9		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
o-Xylene	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
m,p-Xylene	ND		2.9		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
p-Isopropyltoluene	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
sec-Butylbenzene	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Styrene	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
trans-1,2-Dichloroethene	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
trans-1,3-Dichloropropene	ND		2.9		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Tert-amyl-methyl ether (TAME)	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
tert-Butyl alcohol (TBA)	ND		29		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
tert-Butylbenzene	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Tetrachloroethene	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1

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

Client Sample ID: MC-SV-11_10
Date Collected: 11/23/20 09:15
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Trichloroethene	ND		2.9		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Trichlorofluoromethane	ND		15		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Vinyl acetate	ND		15		ug/Kg		11/23/20 21:27	11/24/20 14:02	1
Vinyl chloride	ND		1.5		ug/Kg		11/23/20 21:27	11/24/20 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*71 - 155*	*11/23/20 21:27*	*11/24/20 14:02*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*	*11/23/20 21:27*	*11/24/20 14:02*	*1*
Dibromofluoromethane (Surr)	*98*		*79 - 133*	*11/23/20 21:27*	*11/24/20 14:02*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*11/23/20 21:27*	*11/24/20 14:02*	*1*

Client Sample ID: MC-SV-3_5
Date Collected: 11/23/20 10:29
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
1,1,1-Trichloroethane	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
1,1,2,2-Tetrachloroethane	ND		1.8		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	9.1		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
1,1,2-Trichloroethane	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
1,1-Dichloroethane	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
1,1-Dichloroethene	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
1,1-Dichloropropene	ND		1.8		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
1,2,3-Trichlorobenzene	ND		1.8		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
1,2,3-Trichloropropane	ND		1.8		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
1,2,4-Trichlorobenzene	ND		1.8		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
1,2,4-Trimethylbenzene	ND		1.8		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
1,2-Dibromo-3-Chloropropane	ND		9.1		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
1,2-Dibromoethane	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
1,2-Dichlorobenzene	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
1,2-Dichloroethane	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
1,2-Dichloropropane	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
1,3,5-Trimethylbenzene	ND		1.8		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
1,3-Dichlorobenzene	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
1,3-Dichloropropane	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
1,4-Dichlorobenzene	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
2,2-Dichloropropane	ND		4.6		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
2-Butanone	ND		18		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
2-Chlorotoluene	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
2-Hexanone	ND		18		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
4-Chlorotoluene	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
4-Methyl-2-pentanone	ND		18		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Acetone	ND		18		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Benzene	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Bromobenzene	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Bromochloromethane	ND		1.8		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Bromodichloromethane	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Bromoform	ND		4.6		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Bromomethane	ND		18		ug/Kg		11/23/20 21:27	11/24/20 14:29	1

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

Client Sample ID: MC-SV-3_5
Date Collected: 11/23/20 10:29
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
cis-1,3-Dichloropropene	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Carbon disulfide	ND		9.1		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Carbon tetrachloride	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Chlorobenzene	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Chloroethane	ND		1.8		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Chloroform	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Chloromethane	ND		18		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Dibromochloromethane	ND		1.8		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Dibromomethane	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Dichlorodifluoromethane	ND		1.8		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Di-isopropyl ether (DIPE)	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Ethanol	ND		230		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Ethylbenzene	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Ethyl-t-butyl ether (ETBE)	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Isopropylbenzene	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Methylene Chloride	ND		9.1		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Methyl-t-Butyl Ether (MTBE)	ND		1.8		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Naphthalene	ND		9.1		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
n-Butylbenzene	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
N-Propylbenzene	ND		1.8		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
o-Xylene	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
m,p-Xylene	ND		1.8		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
p-Isopropyltoluene	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
sec-Butylbenzene	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Styrene	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
trans-1,2-Dichloroethene	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
trans-1,3-Dichloropropene	ND		1.8		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Tert-amyl-methyl ether (TAME)	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
tert-Butyl alcohol (TBA)	ND		18		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
tert-Butylbenzene	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Tetrachloroethene	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Toluene	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Trichloroethene	ND		1.8		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Trichlorofluoromethane	ND		9.1		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Vinyl acetate	ND		9.1		ug/Kg		11/23/20 21:27	11/24/20 14:29	1
Vinyl chloride	ND		0.91		ug/Kg		11/23/20 21:27	11/24/20 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*71 - 155*	*11/23/20 21:27*	*11/24/20 14:29*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*11/23/20 21:27*	*11/24/20 14:29*	*1*
Dibromofluoromethane (Surr)	*97*		*79 - 133*	*11/23/20 21:27*	*11/24/20 14:29*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*11/23/20 21:27*	*11/24/20 14:29*	*1*

Client Sample ID: MC-SV-3_10
Date Collected: 11/23/20 10:40
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
1,1,1-Trichloroethane	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1

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

Client Sample ID: MC-SV-3_10
Date Collected: 11/23/20 10:40
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		2.3		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	11		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
1,1,2-Trichloroethane	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
1,1-Dichloroethane	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
1,1-Dichloroethene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
1,1-Dichloropropene	ND		2.3		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
1,2,3-Trichlorobenzene	ND		2.3		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
1,2,3-Trichloropropane	ND		2.3		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
1,2,4-Trichlorobenzene	ND		2.3		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
1,2,4-Trimethylbenzene	ND		2.3		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
1,2-Dibromo-3-Chloropropane	ND		11		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
1,2-Dibromoethane	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
1,2-Dichlorobenzene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
1,2-Dichloroethane	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
1,2-Dichloropropane	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
1,3,5-Trimethylbenzene	ND		2.3		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
1,3-Dichlorobenzene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
1,3-Dichloropropane	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
1,4-Dichlorobenzene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
2,2-Dichloropropane	ND		5.7		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
2-Butanone	ND		23		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
2-Chlorotoluene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
2-Hexanone	ND		23		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
4-Chlorotoluene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
4-Methyl-2-pentanone	ND		23		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Acetone	**24**		23		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Benzene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Bromobenzene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Bromochloromethane	ND		2.3		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Bromodichloromethane	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Bromoform	ND		5.7		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Bromomethane	ND		23		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
cis-1,2-Dichloroethene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
cis-1,3-Dichloropropene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Carbon disulfide	ND		11		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Carbon tetrachloride	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Chlorobenzene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Chloroethane	ND		2.3		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Chloroform	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Chloromethane	ND		23		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Dibromochloromethane	ND		2.3		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Dibromomethane	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Dichlorodifluoromethane	ND		2.3		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Di-isopropyl ether (DIPE)	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Ethanol	ND		290		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Ethylbenzene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Ethyl-t-butyl ether (ETBE)	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Isopropylbenzene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Methylene Chloride	ND		11		ug/Kg		11/23/20 21:27	11/24/20 14:56	1

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

Client Sample ID: MC-SV-3_10
Date Collected: 11/23/20 10:40
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		2.3		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Naphthalene	ND		11		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
n-Butylbenzene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
N-Propylbenzene	ND		2.3		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
o-Xylene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
m,p-Xylene	ND		2.3		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
p-Isopropyltoluene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
sec-Butylbenzene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Styrene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
trans-1,2-Dichloroethene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
trans-1,3-Dichloropropene	ND		2.3		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Tert-amyl-methyl ether (TAME)	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
tert-Butyl alcohol (TBA)	ND		23		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
tert-Butylbenzene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Tetrachloroethene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Toluene	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Trichloroethene	ND		2.3		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Trichlorofluoromethane	ND		11		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Vinyl acetate	ND		11		ug/Kg		11/23/20 21:27	11/24/20 14:56	1
Vinyl chloride	ND		1.1		ug/Kg		11/23/20 21:27	11/24/20 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*71 - 155*	*11/23/20 21:27*	*11/24/20 14:56*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*11/23/20 21:27*	*11/24/20 14:56*	*1*
Dibromofluoromethane (Surr)	*94*		*79 - 133*	*11/23/20 21:27*	*11/24/20 14:56*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*	*11/23/20 21:27*	*11/24/20 14:56*	*1*

Client Sample ID: MC-SV-6_2
Date Collected: 11/23/20 11:47
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
1,1,1-Trichloroethane	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
1,1,2,2-Tetrachloroethane	ND		1.6		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	7.9		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
1,1,2-Trichloroethane	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
1,1-Dichloroethane	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
1,1-Dichloroethene	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
1,1-Dichloropropene	ND		1.6		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
1,2,3-Trichlorobenzene	ND		1.6		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
1,2,3-Trichloropropane	ND		1.6		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
1,2,4-Trichlorobenzene	ND		1.6		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
1,2,4-Trimethylbenzene	ND		1.6		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
1,2-Dibromo-3-Chloropropane	ND		7.9		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
1,2-Dibromoethane	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
1,2-Dichlorobenzene	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
1,2-Dichloroethane	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
1,2-Dichloropropane	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
1,3,5-Trimethylbenzene	ND		1.6		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
1,3-Dichlorobenzene	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1

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

Client Sample ID: MC-SV-6_2
Date Collected: 11/23/20 11:47
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
1,4-Dichlorobenzene	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
2,2-Dichloropropane	ND		3.9		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
2-Butanone	ND		16		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
2-Chlorotoluene	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
2-Hexanone	ND		16		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
4-Chlorotoluene	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
4-Methyl-2-pentanone	ND		16		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Acetone	**29**		16		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Benzene	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Bromobenzene	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Bromochloromethane	ND		1.6		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Bromodichloromethane	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Bromoform	ND		3.9		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Bromomethane	ND		16		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
cis-1,2-Dichloroethene	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
cis-1,3-Dichloropropene	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Carbon disulfide	ND		7.9		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Carbon tetrachloride	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Chlorobenzene	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Chloroethane	ND		1.6		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Chloroform	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Chloromethane	ND		16		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Dibromochloromethane	ND		1.6		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Dibromomethane	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Dichlorodifluoromethane	ND		1.6		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Di-isopropyl ether (DIPE)	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Ethanol	ND		200		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Ethylbenzene	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Ethyl-t-butyl ether (ETBE)	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Isopropylbenzene	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Methylene Chloride	ND		7.9		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Methyl-t-Butyl Ether (MTBE)	ND		1.6		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Naphthalene	ND		7.9		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
n-Butylbenzene	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
N-Propylbenzene	ND		1.6		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
o-Xylene	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
m,p-Xylene	ND		1.6		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
p-Isopropyltoluene	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
sec-Butylbenzene	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Styrene	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
trans-1,2-Dichloroethene	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
trans-1,3-Dichloropropene	ND		1.6		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Tert-amyl-methyl ether (TAME)	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
tert-Butyl alcohol (TBA)	ND		16		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
tert-Butylbenzene	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Tetrachloroethene	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Toluene	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Trichloroethene	ND		1.6		ug/Kg		11/23/20 21:27	11/24/20 15:23	1

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

Client Sample ID: MC-SV-6_2
Date Collected: 11/23/20 11:47
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		7.9		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Vinyl acetate	ND		7.9		ug/Kg		11/23/20 21:27	11/24/20 15:23	1
Vinyl chloride	ND		0.79		ug/Kg		11/23/20 21:27	11/24/20 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*71 - 155*	*11/23/20 21:27*	*11/24/20 15:23*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*11/23/20 21:27*	*11/24/20 15:23*	*1*
Dibromofluoromethane (Surr)	*97*		*79 - 133*	*11/23/20 21:27*	*11/24/20 15:23*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*	*11/23/20 21:27*	*11/24/20 15:23*	*1*

Client Sample ID: MC-SV-6_5
Date Collected: 11/23/20 11:55
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
1,1,2,2-Tetrachloroethane	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	10		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
1,1-Dichloroethane	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
1,1-Dichloroethene	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
1,1-Dichloropropene	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
1,2,3-Trichlorobenzene	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
1,2,3-Trichloropropane	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
1,2,4-Trichlorobenzene	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
1,2,4-Trimethylbenzene	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
1,2-Dibromoethane	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
1,2-Dichloroethane	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
1,2-Dichloropropane	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
1,3,5-Trimethylbenzene	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
1,3-Dichloropropane	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
2,2-Dichloropropane	ND		5.2		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
2-Butanone	ND		21		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
2-Chlorotoluene	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
2-Hexanone	ND		21		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
4-Chlorotoluene	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
4-Methyl-2-pentanone	ND		21		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Acetone	**22**		21		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Benzene	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Bromobenzene	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Bromochloromethane	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Bromodichloromethane	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Bromoform	ND		5.2		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Bromomethane	ND		21		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1

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

Client Sample ID: MC-SV-6_5
Date Collected: 11/23/20 11:55
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		10		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Carbon tetrachloride	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Chlorobenzene	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Chloroethane	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Chloroform	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Chloromethane	ND		21		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Dibromochloromethane	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Dibromomethane	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Dichlorodifluoromethane	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Ethanol	ND		260		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Ethylbenzene	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Isopropylbenzene	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Methylene Chloride	ND		10		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Methyl-t-Butyl Ether (MTBE)	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Naphthalene	ND		10		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
n-Butylbenzene	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
N-Propylbenzene	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
o-Xylene	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
m,p-Xylene	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
p-Isopropyltoluene	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
sec-Butylbenzene	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Styrene	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
trans-1,3-Dichloropropene	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
tert-Butyl alcohol (TBA)	ND		21		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
tert-Butylbenzene	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Tetrachloroethene	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Toluene	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Trichloroethene	ND		2.1		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Trichlorofluoromethane	ND		10		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Vinyl acetate	ND		10		ug/Kg		11/23/20 21:27	11/24/20 15:50	1
Vinyl chloride	ND		1.0		ug/Kg		11/23/20 21:27	11/24/20 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*71 - 155*	*11/23/20 21:27*	*11/24/20 15:50*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*11/23/20 21:27*	*11/24/20 15:50*	*1*
Dibromofluoromethane (Surr)	*96*		*79 - 133*	*11/23/20 21:27*	*11/24/20 15:50*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*11/23/20 21:27*	*11/24/20 15:50*	*1*

Client Sample ID: TB_20201123
Date Collected: 11/23/20 00:00
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			11/28/20 14:49	1
1,1,1-Trichloroethane	ND		1.0		ug/L			11/28/20 14:49	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			11/28/20 14:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			11/28/20 14:49	1

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

Client Sample ID: TB_20201123
Date Collected: 11/23/20 00:00
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0		ug/L			11/28/20 14:49	1
1,1-Dichloroethane	ND		1.0		ug/L			11/28/20 14:49	1
1,1-Dichloroethene	ND		1.0		ug/L			11/28/20 14:49	1
1,1-Dichloropropene	ND		1.0		ug/L			11/28/20 14:49	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			11/28/20 14:49	1
1,2,3-Trichloropropane	ND		5.0		ug/L			11/28/20 14:49	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			11/28/20 14:49	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			11/28/20 14:49	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			11/28/20 14:49	1
1,2-Dibromoethane	ND		1.0		ug/L			11/28/20 14:49	1
1,2-Dichlorobenzene	ND		1.0		ug/L			11/28/20 14:49	1
1,2-Dichloroethane	ND		0.50		ug/L			11/28/20 14:49	1
1,2-Dichloropropane	ND		1.0		ug/L			11/28/20 14:49	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			11/28/20 14:49	1
1,3-Dichlorobenzene	ND		1.0		ug/L			11/28/20 14:49	1
1,3-Dichloropropane	ND		1.0		ug/L			11/28/20 14:49	1
1,4-Dichlorobenzene	ND		1.0		ug/L			11/28/20 14:49	1
2,2-Dichloropropane	ND		1.0		ug/L			11/28/20 14:49	1
2-Butanone	ND		20		ug/L			11/28/20 14:49	1
2-Chlorotoluene	ND		1.0		ug/L			11/28/20 14:49	1
2-Hexanone	ND		10		ug/L			11/28/20 14:49	1
4-Chlorotoluene	ND		1.0		ug/L			11/28/20 14:49	1
4-Methyl-2-pentanone	ND		10		ug/L			11/28/20 14:49	1
Acetone	ND		20		ug/L			11/28/20 14:49	1
Benzene	ND		0.50		ug/L			11/28/20 14:49	1
Bromobenzene	ND		1.0		ug/L			11/28/20 14:49	1
Bromochloromethane	ND		2.0		ug/L			11/28/20 14:49	1
Bromodichloromethane	ND		1.0		ug/L			11/28/20 14:49	1
Bromoform	ND	*	5.0		ug/L			11/28/20 14:49	1
Bromomethane	ND		25		ug/L			11/28/20 14:49	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			11/28/20 14:49	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			11/28/20 14:49	1
Carbon disulfide	ND		10		ug/L			11/28/20 14:49	1
Carbon tetrachloride	ND		0.50		ug/L			11/28/20 14:49	1
Chlorobenzene	ND		1.0		ug/L			11/28/20 14:49	1
Chloroethane	ND		5.0		ug/L			11/28/20 14:49	1
Chloroform	ND		1.0		ug/L			11/28/20 14:49	1
Chloromethane	ND		10		ug/L			11/28/20 14:49	1
Dibromochloromethane	ND	*	2.0		ug/L			11/28/20 14:49	1
Dibromomethane	ND		1.0		ug/L			11/28/20 14:49	1
Dichlorodifluoromethane	ND		5.0		ug/L			11/28/20 14:49	1
Di-isopropyl ether (DIPE)	ND		2.0		ug/L			11/28/20 14:49	1
Ethanol	ND		100		ug/L			11/28/20 14:49	1
Ethylbenzene	ND		1.0		ug/L			11/28/20 14:49	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			11/28/20 14:49	1
Isopropylbenzene	ND		1.0		ug/L			11/28/20 14:49	1
Methylene Chloride	ND		10		ug/L			11/28/20 14:49	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			11/28/20 14:49	1
Naphthalene	ND		10		ug/L			11/28/20 14:49	1

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

Client Sample ID: TB_20201123
Date Collected: 11/23/20 00:00
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		1.0		ug/L			11/28/20 14:49	1
N-Propylbenzene	ND		1.0		ug/L			11/28/20 14:49	1
o-Xylene	ND		1.0		ug/L			11/28/20 14:49	1
m,p-Xylene	ND		2.0		ug/L			11/28/20 14:49	1
p-Isopropyltoluene	ND		1.0		ug/L			11/28/20 14:49	1
sec-Butylbenzene	ND		1.0		ug/L			11/28/20 14:49	1
Styrene	ND		1.0		ug/L			11/28/20 14:49	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			11/28/20 14:49	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			11/28/20 14:49	1
Tert-amyl-methyl ether (TAME)	ND		2.0		ug/L			11/28/20 14:49	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			11/28/20 14:49	1
tert-Butylbenzene	ND		1.0		ug/L			11/28/20 14:49	1
Tetrachloroethene	ND		1.0		ug/L			11/28/20 14:49	1
Toluene	ND		1.0		ug/L			11/28/20 14:49	1
Trichloroethene	ND		1.0		ug/L			11/28/20 14:49	1
Trichlorofluoromethane	ND		10		ug/L			11/28/20 14:49	1
Vinyl acetate	ND		10		ug/L			11/28/20 14:49	1
Vinyl chloride	ND		0.50		ug/L			11/28/20 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 129*		*11/28/20 14:49*	*1*
4-Bromofluorobenzene (Surr)	*94*		*77 - 120*		*11/28/20 14:49*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 128*		*11/28/20 14:49*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/28/20 14:49*	*1*

Client Sample ID: EB_20201123
Date Collected: 11/23/20 14:20
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-14
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			11/28/20 15:15	1
1,1,1-Trichloroethane	ND		1.0		ug/L			11/28/20 15:15	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			11/28/20 15:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			11/28/20 15:15	1
1,1,2-Trichloroethane	ND		1.0		ug/L			11/28/20 15:15	1
1,1-Dichloroethane	ND		1.0		ug/L			11/28/20 15:15	1
1,1-Dichloroethene	ND		1.0		ug/L			11/28/20 15:15	1
1,1-Dichloropropene	ND		1.0		ug/L			11/28/20 15:15	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			11/28/20 15:15	1
1,2,3-Trichloropropane	ND		5.0		ug/L			11/28/20 15:15	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			11/28/20 15:15	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			11/28/20 15:15	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			11/28/20 15:15	1
1,2-Dibromoethane	ND		1.0		ug/L			11/28/20 15:15	1
1,2-Dichlorobenzene	ND		1.0		ug/L			11/28/20 15:15	1
1,2-Dichloroethane	ND		0.50		ug/L			11/28/20 15:15	1
1,2-Dichloropropane	ND		1.0		ug/L			11/28/20 15:15	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			11/28/20 15:15	1
1,3-Dichlorobenzene	ND		1.0		ug/L			11/28/20 15:15	1
1,3-Dichloropropane	ND		1.0		ug/L			11/28/20 15:15	1
1,4-Dichlorobenzene	ND		1.0		ug/L			11/28/20 15:15	1

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

Client Sample ID: EB_20201123
Date Collected: 11/23/20 14:20
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-14
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		1.0		ug/L			11/28/20 15:15	1
2-Butanone	ND		20		ug/L			11/28/20 15:15	1
2-Chlorotoluene	ND		1.0		ug/L			11/28/20 15:15	1
2-Hexanone	ND		10		ug/L			11/28/20 15:15	1
4-Chlorotoluene	ND		1.0		ug/L			11/28/20 15:15	1
4-Methyl-2-pentanone	ND		10		ug/L			11/28/20 15:15	1
Acetone	ND		20		ug/L			11/28/20 15:15	1
Benzene	ND		0.50		ug/L			11/28/20 15:15	1
Bromobenzene	ND		1.0		ug/L			11/28/20 15:15	1
Bromochloromethane	ND		2.0		ug/L			11/28/20 15:15	1
Bromodichloromethane	ND		1.0		ug/L			11/28/20 15:15	1
Bromoform	ND	*	5.0		ug/L			11/28/20 15:15	1
Bromomethane	ND		25		ug/L			11/28/20 15:15	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			11/28/20 15:15	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			11/28/20 15:15	1
Carbon disulfide	ND		10		ug/L			11/28/20 15:15	1
Carbon tetrachloride	ND		0.50		ug/L			11/28/20 15:15	1
Chlorobenzene	ND		1.0		ug/L			11/28/20 15:15	1
Chloroethane	ND		5.0		ug/L			11/28/20 15:15	1
Chloroform	ND		1.0		ug/L			11/28/20 15:15	1
Chloromethane	ND		10		ug/L			11/28/20 15:15	1
Dibromochloromethane	ND	*	2.0		ug/L			11/28/20 15:15	1
Dibromomethane	ND		1.0		ug/L			11/28/20 15:15	1
Dichlorodifluoromethane	ND		5.0		ug/L			11/28/20 15:15	1
Di-isopropyl ether (DIPE)	ND		2.0		ug/L			11/28/20 15:15	1
Ethanol	ND		100		ug/L			11/28/20 15:15	1
Ethylbenzene	ND		1.0		ug/L			11/28/20 15:15	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			11/28/20 15:15	1
Isopropylbenzene	ND		1.0		ug/L			11/28/20 15:15	1
Methylene Chloride	ND		10		ug/L			11/28/20 15:15	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			11/28/20 15:15	1
Naphthalene	ND		10		ug/L			11/28/20 15:15	1
n-Butylbenzene	ND		1.0		ug/L			11/28/20 15:15	1
N-Propylbenzene	ND		1.0		ug/L			11/28/20 15:15	1
o-Xylene	ND		1.0		ug/L			11/28/20 15:15	1
m,p-Xylene	ND		2.0		ug/L			11/28/20 15:15	1
p-Isopropyltoluene	ND		1.0		ug/L			11/28/20 15:15	1
sec-Butylbenzene	ND		1.0		ug/L			11/28/20 15:15	1
Styrene	ND		1.0		ug/L			11/28/20 15:15	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			11/28/20 15:15	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			11/28/20 15:15	1
Tert-amyl-methyl ether (TAME)	ND		2.0		ug/L			11/28/20 15:15	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			11/28/20 15:15	1
tert-Butylbenzene	ND		1.0		ug/L			11/28/20 15:15	1
Tetrachloroethene	ND		1.0		ug/L			11/28/20 15:15	1
Toluene	ND		1.0		ug/L			11/28/20 15:15	1
Trichloroethene	ND		1.0		ug/L			11/28/20 15:15	1
Trichlorofluoromethane	ND		10		ug/L			11/28/20 15:15	1
Vinyl acetate	ND		10		ug/L			11/28/20 15:15	1

Client: Avocet Environmental Inc
Job ID: 570-44564-1
Project/Site: Fairview Development Center / 1431.005

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

Client Sample ID: EB_20201123
Date Collected: 11/23/20 14:20
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-14
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.50		ug/L			11/28/20 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 129*		*11/28/20 15:15*	*1*
4-Bromofluorobenzene (Surr)	*95*		*77 - 120*		*11/28/20 15:15*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 128*		*11/28/20 15:15*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/28/20 15:15*	*1*

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

Client Sample ID: MC-SV-11_2
Date Collected: 11/23/20 08:40
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
1,2-Dichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
1,3-Dichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
1,4-Dichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
1,6,7-Trimethylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:43	1
1-Methylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
1-Methylphenanthrene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:43	1
2,4,5-Trichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
2,4,6-Trichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
2,4-Dichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
2,4-Dinitrophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
2,4-Dinitrotoluene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
2,6-Dichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
2,6-Dimethylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:43	1
2,6-Dinitrotoluene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
2-Chloronaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
2-Chlorophenol	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
2-Methylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
2-Methylphenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
2-Nitroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
2-Nitrophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
3,3'-Dichlorobenzidine	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
3/4-Methylphenol	ND		0.10		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
3-Nitroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
4,6-Dinitro-2-methylphenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
4-Bromophenyl phenyl ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
4-Chloro-3-methylphenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
4-Chloroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
4-Chlorophenyl phenyl ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
4-Nitroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
4-Nitrophenol	ND		0.50		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Acenaphthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Acenaphthylene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Aniline	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Anthracene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Azobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Benzidine	ND	*1	0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Benzo[a]anthracene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Benzo[a]pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Benzo[e]pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:43	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Benzoic acid	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Benzyl alcohol	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Biphenyl	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:43	1
Bis(2-chloroethoxy)methane	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Bis(2-chloroethyl)ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1

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

Client Sample ID: MC-SV-11_2
Date Collected: 11/23/20 08:40
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-Chloroisopropyl) ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Bis(2-ethylhexyl) phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Butyl benzyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Chrysene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
DCPA	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:43	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Dibenzofuran	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Dibenzothiophene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:43	1
Diethyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Dimethyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Di-n-butyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Di-n-octyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Fluoranthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Fluorene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Hexachloro-1,3-butadiene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Hexachlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Hexachlorocyclopentadiene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Hexachloroethane	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Isophorone	ND		0.50		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Naphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Nitrobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
N-Nitrosodimethylamine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
N-Nitrosodi-n-propylamine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
N-Nitrosodiphenylamine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Pentachlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Perthane	**0.040**		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:43	1
Perylene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:43	1
Phenanthrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Phenol	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1
Pyridine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*60*		*16 - 132*	*11/30/20 17:20*	*12/01/20 17:28*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*16 - 132*	*11/30/20 17:20*	*12/02/20 12:43*	*1*
2-Fluorophenol (Surr)	*79*		*13 - 120*	*11/30/20 17:20*	*12/01/20 17:28*	*1*
2-Fluorophenol (Surr)	*83*		*13 - 120*	*11/30/20 17:20*	*12/02/20 12:43*	*1*
Nitrobenzene-d5 (Surr)	*65*		*14 - 120*	*11/30/20 17:20*	*12/01/20 17:28*	*1*
Nitrobenzene-d5 (Surr)	*52*		*14 - 120*	*11/30/20 17:20*	*12/02/20 12:43*	*1*
Phenol-d6 (Surr)	*78*		*12 - 120*	*11/30/20 17:20*	*12/01/20 17:28*	*1*
Phenol-d6 (Surr)	*78*		*12 - 120*	*11/30/20 17:20*	*12/02/20 12:43*	*1*
p-Terphenyl-d14 (Surr)	*71*		*24 - 120*	*11/30/20 17:20*	*12/01/20 17:28*	*1*
p-Terphenyl-d14 (Surr)	*78*		*24 - 120*	*11/30/20 17:20*	*12/02/20 12:43*	*1*
2-Fluorobiphenyl (Surr)	*67*		*19 - 120*	*11/30/20 17:20*	*12/01/20 17:28*	*1*
2-Fluorobiphenyl (Surr)	*64*		*19 - 120*	*11/30/20 17:20*	*12/02/20 12:43*	*1*

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

Client Sample ID: MC-SV-11_10
Date Collected: 11/23/20 09:15
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
1,2-Dichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
1,3-Dichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
1,4-Dichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
1,6,7-Trimethylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 13:01	1
1-Methylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
1-Methylphenanthrene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 13:01	1
2,4,5-Trichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
2,4,6-Trichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
2,4-Dichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
2,4-Dinitrophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
2,4-Dinitrotoluene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
2,6-Dichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
2,6-Dimethylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 13:01	1
2,6-Dinitrotoluene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
2-Chloronaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
2-Chlorophenol	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
2-Methylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
2-Methylphenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
2-Nitroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
2-Nitrophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
3,3'-Dichlorobenzidine	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
3/4-Methylphenol	ND		0.10		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
3-Nitroaniline	ND	F2	0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
4,6-Dinitro-2-methylphenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
4-Bromophenyl phenyl ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
4-Chloro-3-methylphenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
4-Chloroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
4-Chlorophenyl phenyl ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
4-Nitroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
4-Nitrophenol	ND		0.50		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Acenaphthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Acenaphthylene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Aniline	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Anthracene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Azobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Benzidine	ND	*1 F2	0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Benzo[a]anthracene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Benzo[a]pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Benzo[e]pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 13:01	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Benzoic acid	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Benzyl alcohol	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Biphenyl	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 13:01	1
Bis(2-chloroethoxy)methane	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Bis(2-chloroethyl)ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1

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

Client Sample ID: MC-SV-11_10
Date Collected: 11/23/20 09:15
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-Chloroisopropyl) ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Bis(2-ethylhexyl) phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Butyl benzyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Chrysene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
DCPA	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 13:01	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Dibenzofuran	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Dibenzothiophene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 13:01	1
Diethyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Dimethyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Di-n-butyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Di-n-octyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Fluoranthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Fluorene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Hexachloro-1,3-butadiene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Hexachlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Hexachlorocyclopentadiene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Hexachloroethane	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Isophorone	ND		0.50		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Naphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Nitrobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
N-Nitrosodimethylamine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
N-Nitrosodi-n-propylamine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
N-Nitrosodiphenylamine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Pentachlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Perthane	**0.023**		0.010		mg/Kg		11/30/20 17:20	12/02/20 13:01	1
Perylene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 13:01	1
Phenanthrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Phenol	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1
Pyridine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*62*		*16 - 132*	*11/30/20 17:20*	*12/01/20 17:46*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*16 - 132*	*11/30/20 17:20*	*12/02/20 13:01*	*1*
2-Fluorophenol (Surr)	*81*		*13 - 120*	*11/30/20 17:20*	*12/01/20 17:46*	*1*
2-Fluorophenol (Surr)	*84*		*13 - 120*	*11/30/20 17:20*	*12/02/20 13:01*	*1*
Nitrobenzene-d5 (Surr)	*69*		*14 - 120*	*11/30/20 17:20*	*12/01/20 17:46*	*1*
Nitrobenzene-d5 (Surr)	*55*		*14 - 120*	*11/30/20 17:20*	*12/02/20 13:01*	*1*
Phenol-d6 (Surr)	*79*		*12 - 120*	*11/30/20 17:20*	*12/01/20 17:46*	*1*
Phenol-d6 (Surr)	*79*		*12 - 120*	*11/30/20 17:20*	*12/02/20 13:01*	*1*
p-Terphenyl-d14 (Surr)	*75*		*24 - 120*	*11/30/20 17:20*	*12/01/20 17:46*	*1*
p-Terphenyl-d14 (Surr)	*86*		*24 - 120*	*11/30/20 17:20*	*12/02/20 13:01*	*1*
2-Fluorobiphenyl (Surr)	*72*		*19 - 120*	*11/30/20 17:20*	*12/01/20 17:46*	*1*
2-Fluorobiphenyl (Surr)	*70*		*19 - 120*	*11/30/20 17:20*	*12/02/20 13:01*	*1*

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

Client Sample ID: MC-SV-11_2
Date Collected: 11/23/20 08:40
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 02:29	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 02:29	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 02:29	1
C9-C10	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 02:29	1
C11-C12	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 02:29	1
C13-C14	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 02:29	1
C15-C16	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 02:29	1
C17-C18	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 02:29	1
C19-C20	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 02:29	1
C21-C22	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 02:29	1
C23-C24	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 02:29	1
C25-C28	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 02:29	1
C29-C32	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 02:29	1
C33-C36	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 02:29	1
C37-C40	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 02:29	1
C41-C44	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 02:29	1
C6-C44	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 02:29	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 02:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*71*		*61 - 145*	*12/01/20 10:15*	*12/02/20 02:29*	*1*

Client Sample ID: MC-SV-11_10
Date Collected: 11/23/20 09:15
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		12/01/20 10:15	12/02/20 02:52	1
C7 as C7	ND		4.9		mg/Kg		12/01/20 10:15	12/02/20 02:52	1
C8 as C8	ND		4.9		mg/Kg		12/01/20 10:15	12/02/20 02:52	1
C9-C10	ND		4.9		mg/Kg		12/01/20 10:15	12/02/20 02:52	1
C11-C12	ND		4.9		mg/Kg		12/01/20 10:15	12/02/20 02:52	1
C13-C14	ND		4.9		mg/Kg		12/01/20 10:15	12/02/20 02:52	1
C15-C16	ND		4.9		mg/Kg		12/01/20 10:15	12/02/20 02:52	1
C17-C18	ND		4.9		mg/Kg		12/01/20 10:15	12/02/20 02:52	1
C19-C20	ND		4.9		mg/Kg		12/01/20 10:15	12/02/20 02:52	1
C21-C22	ND		4.9		mg/Kg		12/01/20 10:15	12/02/20 02:52	1
C23-C24	ND		4.9		mg/Kg		12/01/20 10:15	12/02/20 02:52	1
C25-C28	ND		4.9		mg/Kg		12/01/20 10:15	12/02/20 02:52	1
C29-C32	ND		4.9		mg/Kg		12/01/20 10:15	12/02/20 02:52	1
C33-C36	ND		4.9		mg/Kg		12/01/20 10:15	12/02/20 02:52	1
C37-C40	ND		4.9		mg/Kg		12/01/20 10:15	12/02/20 02:52	1
C41-C44	ND		4.9		mg/Kg		12/01/20 10:15	12/02/20 02:52	1
C6-C44	ND		4.9		mg/Kg		12/01/20 10:15	12/02/20 02:52	1
Diesel Range Organics [C10-C28]	ND		4.9		mg/Kg		12/01/20 10:15	12/02/20 02:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*66*		*61 - 145*	*12/01/20 10:15*	*12/02/20 02:52*	*1*

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

Client Sample ID: MC-SV-3_5
Date Collected: 11/23/20 10:29
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:15	1
C7 as C7	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:15	1
C8 as C8	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:15	1
C9-C10	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:15	1
C11-C12	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:15	1
C13-C14	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:15	1
C15-C16	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:15	1
C17-C18	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:15	1
C19-C20	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:15	1
C21-C22	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:15	1
C23-C24	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:15	1
C25-C28	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:15	1
C29-C32	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:15	1
C33-C36	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:15	1
C37-C40	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:15	1
C41-C44	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:15	1
C6-C44	**14**		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:15	1
Diesel Range Organics [C10-C28]	**13**		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*78*		*61 - 145*	*11/30/20 15:13*	*12/01/20 20:15*	*1*

Client Sample ID: MC-SV-3_10
Date Collected: 11/23/20 10:40
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.1		mg/Kg		11/30/20 15:13	12/01/20 20:36	1
C7 as C7	ND		5.1		mg/Kg		11/30/20 15:13	12/01/20 20:36	1
C8 as C8	ND		5.1		mg/Kg		11/30/20 15:13	12/01/20 20:36	1
C9-C10	ND		5.1		mg/Kg		11/30/20 15:13	12/01/20 20:36	1
C11-C12	ND		5.1		mg/Kg		11/30/20 15:13	12/01/20 20:36	1
C13-C14	ND		5.1		mg/Kg		11/30/20 15:13	12/01/20 20:36	1
C15-C16	ND		5.1		mg/Kg		11/30/20 15:13	12/01/20 20:36	1
C17-C18	ND		5.1		mg/Kg		11/30/20 15:13	12/01/20 20:36	1
C19-C20	**5.9**		5.1		mg/Kg		11/30/20 15:13	12/01/20 20:36	1
C21-C22	**6.1**		5.1		mg/Kg		11/30/20 15:13	12/01/20 20:36	1
C23-C24	ND		5.1		mg/Kg		11/30/20 15:13	12/01/20 20:36	1
C25-C28	ND		5.1		mg/Kg		11/30/20 15:13	12/01/20 20:36	1
C29-C32	ND		5.1		mg/Kg		11/30/20 15:13	12/01/20 20:36	1
C33-C36	ND		5.1		mg/Kg		11/30/20 15:13	12/01/20 20:36	1
C37-C40	ND		5.1		mg/Kg		11/30/20 15:13	12/01/20 20:36	1
C41-C44	ND		5.1		mg/Kg		11/30/20 15:13	12/01/20 20:36	1
C6-C44	**25**		5.1		mg/Kg		11/30/20 15:13	12/01/20 20:36	1
Diesel Range Organics [C10-C28]	**18**		5.1		mg/Kg		11/30/20 15:13	12/01/20 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*81*		*61 - 145*	*11/30/20 15:13*	*12/01/20 20:36*	*1*

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

Client Sample ID: MC-SV-6_2
Date Collected: 11/23/20 11:47
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:58	1
C7 as C7	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:58	1
C8 as C8	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:58	1
C9-C10	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:58	1
C11-C12	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:58	1
C13-C14	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:58	1
C15-C16	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:58	1
C17-C18	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:58	1
C19-C20	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:58	1
C21-C22	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:58	1
C23-C24	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:58	1
C25-C28	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:58	1
C29-C32	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:58	1
C33-C36	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:58	1
C37-C40	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:58	1
C41-C44	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:58	1
C6-C44	**11**		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:58	1
Diesel Range Organics [C10-C28]	**6.0**		5.0		mg/Kg		11/30/20 15:13	12/01/20 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*80*		*61 - 145*	*11/30/20 15:13*	*12/01/20 20:58*	*1*

Client Sample ID: MC-SV-6_5
Date Collected: 11/23/20 11:55
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		11/30/20 15:13	12/01/20 21:21	1
C7 as C7	ND		4.9		mg/Kg		11/30/20 15:13	12/01/20 21:21	1
C8 as C8	ND		4.9		mg/Kg		11/30/20 15:13	12/01/20 21:21	1
C9-C10	ND		4.9		mg/Kg		11/30/20 15:13	12/01/20 21:21	1
C11-C12	ND		4.9		mg/Kg		11/30/20 15:13	12/01/20 21:21	1
C13-C14	ND		4.9		mg/Kg		11/30/20 15:13	12/01/20 21:21	1
C15-C16	ND		4.9		mg/Kg		11/30/20 15:13	12/01/20 21:21	1
C17-C18	ND		4.9		mg/Kg		11/30/20 15:13	12/01/20 21:21	1
C19-C20	ND		4.9		mg/Kg		11/30/20 15:13	12/01/20 21:21	1
C21-C22	ND		4.9		mg/Kg		11/30/20 15:13	12/01/20 21:21	1
C23-C24	ND		4.9		mg/Kg		11/30/20 15:13	12/01/20 21:21	1
C25-C28	ND		4.9		mg/Kg		11/30/20 15:13	12/01/20 21:21	1
C29-C32	ND		4.9		mg/Kg		11/30/20 15:13	12/01/20 21:21	1
C33-C36	ND		4.9		mg/Kg		11/30/20 15:13	12/01/20 21:21	1
C37-C40	ND		4.9		mg/Kg		11/30/20 15:13	12/01/20 21:21	1
C41-C44	ND		4.9		mg/Kg		11/30/20 15:13	12/01/20 21:21	1
C6-C44	ND		4.9		mg/Kg		11/30/20 15:13	12/01/20 21:21	1
Diesel Range Organics [C10-C28]	ND		4.9		mg/Kg		11/30/20 15:13	12/01/20 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*77*		*61 - 145*	*11/30/20 15:13*	*12/01/20 21:21*	*1*

Client: Avocet Environmental Inc
Job ID: 570-44564-1
Project/Site: Fairview Development Center / 1431.005

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

Client Sample ID: MC-SV-11_2
Date Collected: 11/23/20 08:40
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/24/20 10:54	11/25/20 09:19	1
Aroclor-1221	ND		50		ug/Kg		11/24/20 10:54	11/25/20 09:19	1
Aroclor-1232	ND		50		ug/Kg		11/24/20 10:54	11/25/20 09:19	1
Aroclor-1242	ND		50		ug/Kg		11/24/20 10:54	11/25/20 09:19	1
Aroclor-1248	ND		50		ug/Kg		11/24/20 10:54	11/25/20 09:19	1
Aroclor-1254	ND		50		ug/Kg		11/24/20 10:54	11/25/20 09:19	1
Aroclor-1260	ND		50		ug/Kg		11/24/20 10:54	11/25/20 09:19	1
Aroclor-1262	ND		50		ug/Kg		11/24/20 10:54	11/25/20 09:19	1
Aroclor-1268	ND		50		ug/Kg		11/24/20 10:54	11/25/20 09:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*20 - 155*	*11/24/20 10:54*	*11/25/20 09:19*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*25 - 126*	*11/24/20 10:54*	*11/25/20 09:19*	*1*

Client Sample ID: MC-SV-11_10
Date Collected: 11/23/20 09:15
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		49		ug/Kg		11/24/20 10:54	11/25/20 09:37	1
Aroclor-1221	ND		49		ug/Kg		11/24/20 10:54	11/25/20 09:37	1
Aroclor-1232	ND		49		ug/Kg		11/24/20 10:54	11/25/20 09:37	1
Aroclor-1242	ND		49		ug/Kg		11/24/20 10:54	11/25/20 09:37	1
Aroclor-1248	ND		49		ug/Kg		11/24/20 10:54	11/25/20 09:37	1
Aroclor-1254	ND		49		ug/Kg		11/24/20 10:54	11/25/20 09:37	1
Aroclor-1260	ND		49		ug/Kg		11/24/20 10:54	11/25/20 09:37	1
Aroclor-1262	ND		49		ug/Kg		11/24/20 10:54	11/25/20 09:37	1
Aroclor-1268	ND		49		ug/Kg		11/24/20 10:54	11/25/20 09:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*20 - 155*	*11/24/20 10:54*	*11/25/20 09:37*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*25 - 126*	*11/24/20 10:54*	*11/25/20 09:37*	*1*

Method: 6010B - Metals (ICP)

Client Sample ID: MC-SV-11_2
Date Collected: 11/23/20 08:40
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND	L	0.242		mg/Kg		11/30/20 17:00	12/01/20 08:22	1
Arsenic	**2.59**		0.725		mg/Kg		11/30/20 17:00	12/01/20 08:22	1
Barium	**144**		0.483		mg/Kg		11/30/20 17:00	12/01/20 08:22	1
Beryllium	**0.820**		0.242		mg/Kg		11/30/20 17:00	12/01/20 08:22	1
Cadmium	ND		0.483		mg/Kg		11/30/20 17:00	12/01/20 08:22	1
Cobalt	**6.28**		0.242		mg/Kg		11/30/20 17:00	12/01/20 08:22	1
Chromium	**17.0**		0.242		mg/Kg		11/30/20 17:00	12/01/20 08:22	1
Copper	**4.79**		0.483		mg/Kg		11/30/20 17:00	12/01/20 08:22	1
Molybdenum	ND	L	0.242		mg/Kg		11/30/20 17:00	12/01/20 08:22	1
Nickel	**11.1**		0.242		mg/Kg		11/30/20 17:00	12/01/20 08:22	1
Antimony	ND		0.725		mg/Kg		11/30/20 17:00	12/01/20 08:22	1
Selenium	ND		0.725		mg/Kg		11/30/20 17:00	12/01/20 08:22	1
Thallium	ND		0.725		mg/Kg		11/30/20 17:00	12/01/20 08:22	1
Vanadium	**33.0**		0.242		mg/Kg		11/30/20 17:00	12/01/20 08:22	1
Zinc	**32.4**		0.966		mg/Kg		11/30/20 17:00	12/01/20 08:22	1
Lead	**1.29**		0.483		mg/Kg		11/30/20 17:00	12/01/20 08:22	1

Client Sample ID: MC-SV-11_10
Date Collected: 11/23/20 09:15
Date Received: 11/23/20 15:27

Lab Sample ID: 570-44564-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.262		mg/Kg		11/30/20 17:00	12/01/20 08:24	1
Arsenic	ND		0.785		mg/Kg		11/30/20 17:00	12/01/20 08:24	1
Barium	**46.3**		0.524		mg/Kg		11/30/20 17:00	12/01/20 08:24	1
Beryllium	ND		0.262		mg/Kg		11/30/20 17:00	12/01/20 08:24	1
Cadmium	ND		0.524		mg/Kg		11/30/20 17:00	12/01/20 08:24	1
Cobalt	**2.14**		0.262		mg/Kg		11/30/20 17:00	12/01/20 08:24	1
Chromium	**5.02**		0.262		mg/Kg		11/30/20 17:00	12/01/20 08:24	1
Copper	**1.40**		0.524		mg/Kg		11/30/20 17:00	12/01/20 08:24	1
Molybdenum	**0.991**		0.262		mg/Kg		11/30/20 17:00	12/01/20 08:24	1
Nickel	**2.98**		0.262		mg/Kg		11/30/20 17:00	12/01/20 08:24	1
Antimony	ND		0.785		mg/Kg		11/30/20 17:00	12/01/20 08:24	1
Selenium	ND		0.785		mg/Kg		11/30/20 17:00	12/01/20 08:24	1
Thallium	ND		0.785		mg/Kg		11/30/20 17:00	12/01/20 08:24	1
Vanadium	**18.0**		0.262		mg/Kg		11/30/20 17:00	12/01/20 08:24	1
Zinc	**12.2**		1.05		mg/Kg		11/30/20 17:00	12/01/20 08:24	1
Lead	**0.769**		0.524		mg/Kg		11/30/20 17:00	12/01/20 08:24	1

Client: Avocet Environmental Inc
Job ID: 570-44564-1
Project/Site: Fairview Development Center / 1431.005

Method: 7471A - Mercury (CVAA)

Client Sample ID: MC-SV-11_2
Lab Sample ID: 570-44564-1
Date Collected: 11/23/20 08:40
Matrix: Solid
Date Received: 11/23/20 15:27

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		11/30/20 17:00	12/01/20 11:50	1

Client Sample ID: MC-SV-11_10
Lab Sample ID: 570-44564-3
Date Collected: 11/23/20 09:15
Matrix: Solid
Date Received: 11/23/20 15:27

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		11/30/20 17:00	12/01/20 11:52	1

Surrogate Summary

Client: Avocet Environmental Inc
Project/Site: Fairview Development Center / 1431.005

Job ID: 570-44564-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(71-155)	(80-120)	(79-133)	(80-120)
570-44564-1	MC-SV-11_2	113	100	94	94
570-44564-3	MC-SV-11_10	115	98	98	95
570-44564-6	MC-SV-3_5	116	100	97	95
570-44564-7	MC-SV-3_10	115	100	94	96
570-44564-9	MC-SV-6_2	115	100	97	94
570-44564-10	MC-SV-6_5	116	100	96	95
LCS 570-111994/5	Lab Control Sample	104	100	97	96
LCSD 570-111994/6	Lab Control Sample Dup	103	99	96	95
MB 570-111994/8	Method Blank	106	98	95	95

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-129)	(77-120)	(80-128)	(80-120)
570-44564-13	TB_20201123	106	94	104	99
570-44564-14	EB_20201123	106	95	104	98
LCS 570-112639/3	Lab Control Sample	87	110	92	100
LCSD 570-112639/4	Lab Control Sample Dup	87	108	91	99
MB 570-112639/8	Method Blank	103	95	102	98

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	2FP	NBZ	PHL6	TPHd14	FBP
Lab Sample ID	Client Sample ID	(16-132)	(13-120)	(14-120)	(12-120)	(24-120)	(19-120)
570-44564-1	MC-SV-11_2	60	79	65	78	71	67
570-44564-1	MC-SV-11_2	57	83	52	78	78	64
570-44564-3	MC-SV-11_10	62	81	69	79	75	72
570-44564-3	MC-SV-11_10	59	84	55	79	86	70
570-44564-3 MS	MC-SV-11_10	85	94	82	98	85	80
570-44564-3 MSD	MC-SV-11_10	76	91	76	91	78	71
LCS 570-112944/2-A	Lab Control Sample	89	99	91	101	94	83
LCSD 570-112944/3-A	Lab Control Sample Dup	92	104	94	106	97	87
MB 570-112944/1-A	Method Blank	81	96	87	96	89	84
MB 570-112944/1-A	Method Blank	68	105	68	94	100	82

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL6 = Phenol-d6 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
FBP = 2-Fluorobiphenyl (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(61-145)
570-44564-1	MC-SV-11_2	71
570-44564-3	MC-SV-11_10	66
570-44564-3 MS	MC-SV-11_10	78
570-44564-3 MSD	MC-SV-11_10	77
570-44564-6	MC-SV-3_5	78
570-44564-7	MC-SV-3_10	81
570-44564-9	MC-SV-6_2	80
570-44564-10	MC-SV-6_5	77
570-44570-A-11-C MS	Matrix Spike	88
570-44570-A-11-D MSD	Matrix Spike Duplicate	84
LCS 570-112910/2-A	Lab Control Sample	97
LCS 570-113085/2-A	Lab Control Sample	83
LCSD 570-112910/3-A	Lab Control Sample Dup	91
LCSD 570-113085/3-A	Lab Control Sample Dup	80
MB 570-112910/1-A	Method Blank	93
MB 570-113085/1-A	Method Blank	85

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(20-155)	(25-126)
570-44252-B-1-B MS	Matrix Spike	76	74
570-44252-B-1-C MSD	Matrix Spike Duplicate	77	74
570-44564-1	MC-SV-11_2	85	91
570-44564-3	MC-SV-11_10	84	87
LCS 570-111918/4-A	Lab Control Sample	92	101
LCSD 570-111918/5-A	Lab Control Sample Dup	97	106
MB 570-111918/1-A	Method Blank	65	71

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

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

Lab Sample ID: MB 570-111994/8
Matrix: Solid
Analysis Batch: 111994

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg			11/24/20 12:14	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg			11/24/20 12:14	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			11/24/20 12:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg			11/24/20 12:14	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg			11/24/20 12:14	1
1,1-Dichloroethane	ND		1.0		ug/Kg			11/24/20 12:14	1
1,1-Dichloroethene	ND		1.0		ug/Kg			11/24/20 12:14	1
1,1-Dichloropropene	ND		2.0		ug/Kg			11/24/20 12:14	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg			11/24/20 12:14	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg			11/24/20 12:14	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg			11/24/20 12:14	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			11/24/20 12:14	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			11/24/20 12:14	1
1,2-Dibromoethane	ND		1.0		ug/Kg			11/24/20 12:14	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg			11/24/20 12:14	1
1,2-Dichloroethane	ND		1.0		ug/Kg			11/24/20 12:14	1
1,2-Dichloropropane	ND		1.0		ug/Kg			11/24/20 12:14	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			11/24/20 12:14	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg			11/24/20 12:14	1
1,3-Dichloropropane	ND		1.0		ug/Kg			11/24/20 12:14	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg			11/24/20 12:14	1
2,2-Dichloropropane	ND		5.0		ug/Kg			11/24/20 12:14	1
2-Butanone	ND		20		ug/Kg			11/24/20 12:14	1
2-Chlorotoluene	ND		1.0		ug/Kg			11/24/20 12:14	1
2-Hexanone	ND		20		ug/Kg			11/24/20 12:14	1
4-Chlorotoluene	ND		1.0		ug/Kg			11/24/20 12:14	1
4-Methyl-2-pentanone	ND		20		ug/Kg			11/24/20 12:14	1
Acetone	ND		20		ug/Kg			11/24/20 12:14	1
Benzene	ND		1.0		ug/Kg			11/24/20 12:14	1
Bromobenzene	ND		1.0		ug/Kg			11/24/20 12:14	1
Bromochloromethane	ND		2.0		ug/Kg			11/24/20 12:14	1
Bromodichloromethane	ND		1.0		ug/Kg			11/24/20 12:14	1
Bromoform	ND		5.0		ug/Kg			11/24/20 12:14	1
Bromomethane	ND		20		ug/Kg			11/24/20 12:14	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg			11/24/20 12:14	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg			11/24/20 12:14	1
Carbon disulfide	ND		10		ug/Kg			11/24/20 12:14	1
Carbon tetrachloride	ND		1.0		ug/Kg			11/24/20 12:14	1
Chlorobenzene	ND		1.0		ug/Kg			11/24/20 12:14	1
Chloroethane	ND		2.0		ug/Kg			11/24/20 12:14	1
Chloroform	ND		1.0		ug/Kg			11/24/20 12:14	1
Chloromethane	ND		20		ug/Kg			11/24/20 12:14	1
Dibromochloromethane	ND		2.0		ug/Kg			11/24/20 12:14	1
Dibromomethane	ND		1.0		ug/Kg			11/24/20 12:14	1
Dichlorodifluoromethane	ND		2.0		ug/Kg			11/24/20 12:14	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg			11/24/20 12:14	1
Ethanol	ND		250		ug/Kg			11/24/20 12:14	1
Ethylbenzene	ND		1.0		ug/Kg			11/24/20 12:14	1

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

Lab Sample ID: MB 570-111994/8
Matrix: Solid
Analysis Batch: 111994

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg			11/24/20 12:14	1
Isopropylbenzene	ND		1.0		ug/Kg			11/24/20 12:14	1
Methylene Chloride	ND		10		ug/Kg			11/24/20 12:14	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg			11/24/20 12:14	1
Naphthalene	ND		10		ug/Kg			11/24/20 12:14	1
n-Butylbenzene	ND		1.0		ug/Kg			11/24/20 12:14	1
N-Propylbenzene	ND		2.0		ug/Kg			11/24/20 12:14	1
o-Xylene	ND		1.0		ug/Kg			11/24/20 12:14	1
m,p-Xylene	ND		2.0		ug/Kg			11/24/20 12:14	1
p-Isopropyltoluene	ND		1.0		ug/Kg			11/24/20 12:14	1
sec-Butylbenzene	ND		1.0		ug/Kg			11/24/20 12:14	1
Styrene	ND		1.0		ug/Kg			11/24/20 12:14	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg			11/24/20 12:14	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			11/24/20 12:14	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg			11/24/20 12:14	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg			11/24/20 12:14	1
tert-Butylbenzene	ND		1.0		ug/Kg			11/24/20 12:14	1
Tetrachloroethene	ND		1.0		ug/Kg			11/24/20 12:14	1
Toluene	ND		1.0		ug/Kg			11/24/20 12:14	1
Trichloroethene	ND		2.0		ug/Kg			11/24/20 12:14	1
Trichlorofluoromethane	ND		10		ug/Kg			11/24/20 12:14	1
Vinyl acetate	ND		10		ug/Kg			11/24/20 12:14	1
Vinyl chloride	ND		1.0		ug/Kg			11/24/20 12:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*71 - 155*		*11/24/20 12:14*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*11/24/20 12:14*	*1*
Dibromofluoromethane (Surr)	*95*		*79 - 133*		*11/24/20 12:14*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*11/24/20 12:14*	*1*

Lab Sample ID: LCS 570-111994/5
Matrix: Solid
Analysis Batch: 111994

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	45.50		ug/Kg		91	71 - 125
1,2-Dibromoethane	50.0	51.94		ug/Kg		104	80 - 120
1,2-Dichlorobenzene	50.0	53.79		ug/Kg		108	80 - 120
1,2-Dichloroethane	50.0	50.30		ug/Kg		101	79 - 121
Benzene	50.0	43.14		ug/Kg		86	79 - 120
Carbon tetrachloride	50.0	41.76		ug/Kg		84	58 - 142
Chlorobenzene	50.0	49.81		ug/Kg		100	80 - 120
Di-isopropyl ether (DIPE)	50.0	47.32		ug/Kg		95	65 - 131
Ethanol	500	618.5		ug/Kg		124	32 - 158
Ethylbenzene	50.0	51.11		ug/Kg		102	57 - 153
Ethyl-t-butyl ether (ETBE)	50.0	43.91		ug/Kg		88	58 - 136
Methyl-t-Butyl Ether (MTBE)	50.0	39.41		ug/Kg		79	64 - 124
o-Xylene	50.0	51.50		ug/Kg		103	79 - 127

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

Lab Sample ID: LCS 570-111994/5
Matrix: Solid
Analysis Batch: 111994

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
m,p-Xylene			100	102.0		ug/Kg		102	80 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*71 - 155*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*79 - 133*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: LCSD 570-111994/6
Matrix: Solid
Analysis Batch: 111994

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			50.0	48.04		ug/Kg		96	71 - 125	5	20
1,2-Dibromoethane			50.0	51.92		ug/Kg		104	80 - 120	0	20
1,2-Dichlorobenzene			50.0	55.30		ug/Kg		111	80 - 120	3	20
1,2-Dichloroethane			50.0	50.36		ug/Kg		101	79 - 121	0	20
Benzene			50.0	45.69		ug/Kg		91	79 - 120	6	20
Carbon tetrachloride			50.0	44.36		ug/Kg		89	58 - 142	6	20
Chlorobenzene			50.0	52.67		ug/Kg		105	80 - 120	6	20
Di-isopropyl ether (DIPE)			50.0	48.65		ug/Kg		97	65 - 131	3	20
Ethanol			500	583.1		ug/Kg		117	32 - 158	6	27
Ethylbenzene			50.0	54.46		ug/Kg		109	57 - 153	6	20
Ethyl-t-butyl ether (ETBE)			50.0	44.52		ug/Kg		89	58 - 136	1	20
Methyl-t-Butyl Ether (MTBE)			50.0	39.36		ug/Kg		79	64 - 124	0	20
o-Xylene			50.0	54.31		ug/Kg		109	79 - 127	5	20
m,p-Xylene			100	107.9		ug/Kg		108	80 - 122	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*71 - 155*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*79 - 133*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: MB 570-112639/8
Matrix: Water
Analysis Batch: 112639

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			11/28/20 13:33	1
1,1,1-Trichloroethane	ND		1.0		ug/L			11/28/20 13:33	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			11/28/20 13:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			11/28/20 13:33	1
1,1,2-Trichloroethane	ND		1.0		ug/L			11/28/20 13:33	1
1,1-Dichloroethane	ND		1.0		ug/L			11/28/20 13:33	1
1,1-Dichloroethene	ND		1.0		ug/L			11/28/20 13:33	1
1,1-Dichloropropene	ND		1.0		ug/L			11/28/20 13:33	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			11/28/20 13:33	1

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

Lab Sample ID: MB 570-112639/8
Matrix: Water
Analysis Batch: 112639

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		5.0		ug/L			11/28/20 13:33	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			11/28/20 13:33	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			11/28/20 13:33	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			11/28/20 13:33	1
1,2-Dibromoethane	ND		1.0		ug/L			11/28/20 13:33	1
1,2-Dichlorobenzene	ND		1.0		ug/L			11/28/20 13:33	1
1,2-Dichloroethane	ND		0.50		ug/L			11/28/20 13:33	1
1,2-Dichloropropane	ND		1.0		ug/L			11/28/20 13:33	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			11/28/20 13:33	1
1,3-Dichlorobenzene	ND		1.0		ug/L			11/28/20 13:33	1
1,3-Dichloropropane	ND		1.0		ug/L			11/28/20 13:33	1
1,4-Dichlorobenzene	ND		1.0		ug/L			11/28/20 13:33	1
2,2-Dichloropropane	ND		1.0		ug/L			11/28/20 13:33	1
2-Butanone	ND		20		ug/L			11/28/20 13:33	1
2-Chlorotoluene	ND		1.0		ug/L			11/28/20 13:33	1
2-Hexanone	ND		10		ug/L			11/28/20 13:33	1
4-Chlorotoluene	ND		1.0		ug/L			11/28/20 13:33	1
4-Methyl-2-pentanone	ND		10		ug/L			11/28/20 13:33	1
Acetone	ND		20		ug/L			11/28/20 13:33	1
Benzene	ND		0.50		ug/L			11/28/20 13:33	1
Bromobenzene	ND		1.0		ug/L			11/28/20 13:33	1
Bromochloromethane	ND		2.0		ug/L			11/28/20 13:33	1
Bromodichloromethane	ND		1.0		ug/L			11/28/20 13:33	1
Bromoform	ND		5.0		ug/L			11/28/20 13:33	1
Bromomethane	ND		25		ug/L			11/28/20 13:33	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			11/28/20 13:33	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			11/28/20 13:33	1
Carbon disulfide	ND		10		ug/L			11/28/20 13:33	1
Carbon tetrachloride	ND		0.50		ug/L			11/28/20 13:33	1
Chlorobenzene	ND		1.0		ug/L			11/28/20 13:33	1
Chloroethane	ND		5.0		ug/L			11/28/20 13:33	1
Chloroform	ND		1.0		ug/L			11/28/20 13:33	1
Chloromethane	ND		10		ug/L			11/28/20 13:33	1
Dibromochloromethane	ND		2.0		ug/L			11/28/20 13:33	1
Dibromomethane	ND		1.0		ug/L			11/28/20 13:33	1
Dichlorodifluoromethane	ND		5.0		ug/L			11/28/20 13:33	1
Di-isopropyl ether (DIPE)	ND		2.0		ug/L			11/28/20 13:33	1
Ethanol	ND		100		ug/L			11/28/20 13:33	1
Ethylbenzene	ND		1.0		ug/L			11/28/20 13:33	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			11/28/20 13:33	1
Isopropylbenzene	ND		1.0		ug/L			11/28/20 13:33	1
Methylene Chloride	ND		10		ug/L			11/28/20 13:33	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			11/28/20 13:33	1
Naphthalene	ND		10		ug/L			11/28/20 13:33	1
n-Butylbenzene	ND		1.0		ug/L			11/28/20 13:33	1
N-Propylbenzene	ND		1.0		ug/L			11/28/20 13:33	1
o-Xylene	ND		1.0		ug/L			11/28/20 13:33	1
m,p-Xylene	ND		2.0		ug/L			11/28/20 13:33	1
p-Isopropyltoluene	ND		1.0		ug/L			11/28/20 13:33	1

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

Lab Sample ID: MB 570-112639/8
Matrix: Water
Analysis Batch: 112639

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0		ug/L			11/28/20 13:33	1
Styrene	ND		1.0		ug/L			11/28/20 13:33	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			11/28/20 13:33	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			11/28/20 13:33	1
Tert-amyl-methyl ether (TAME)	ND		2.0		ug/L			11/28/20 13:33	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			11/28/20 13:33	1
tert-Butylbenzene	ND		1.0		ug/L			11/28/20 13:33	1
Tetrachloroethene	ND		1.0		ug/L			11/28/20 13:33	1
Toluene	ND		1.0		ug/L			11/28/20 13:33	1
Trichloroethene	ND		1.0		ug/L			11/28/20 13:33	1
Trichlorofluoromethane	ND		10		ug/L			11/28/20 13:33	1
Vinyl acetate	ND		10		ug/L			11/28/20 13:33	1
Vinyl chloride	ND		0.50		ug/L			11/28/20 13:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 129*		*11/28/20 13:33*	*1*
4-Bromofluorobenzene (Surr)	*95*		*77 - 120*		*11/28/20 13:33*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 128*		*11/28/20 13:33*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/28/20 13:33*	*1*

Lab Sample ID: LCS 570-112639/3
Matrix: Water
Analysis Batch: 112639

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	48.15		ug/L		96	64 - 136
1,2-Dibromoethane	50.0	50.55		ug/L		101	80 - 120
1,2-Dichlorobenzene	50.0	49.88		ug/L		100	80 - 120
1,2-Dichloroethane	50.0	51.31		ug/L		103	75 - 123
Benzene	50.0	48.82		ug/L		98	78 - 120
Carbon tetrachloride	50.0	54.39		ug/L		109	67 - 139
Chlorobenzene	50.0	50.01		ug/L		100	80 - 120
Di-isopropyl ether (DIPE)	50.0	50.25		ug/L		100	72 - 132
Ethanol	500	505.8		ug/L		101	56 - 150
Ethylbenzene	50.0	51.09		ug/L		102	80 - 120
Ethyl-t-butyl ether (ETBE)	50.0	43.91		ug/L		88	74 - 122
Methyl-t-Butyl Ether (MTBE)	50.0	40.91		ug/L		82	77 - 120
o-Xylene	50.0	52.13		ug/L		104	80 - 125
m,p-Xylene	100	103.5		ug/L		104	80 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*80 - 129*
4-Bromofluorobenzene (Surr)	*110*		*77 - 120*
Dibromofluoromethane (Surr)	*92*		*80 - 128*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: LCSD 570-112639/4
Matrix: Water
Analysis Batch: 112639

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			50.0	46.31		ug/L		93	64 - 136	4	30
1,2-Dibromoethane			50.0	50.47		ug/L		101	80 - 120	0	30
1,2-Dichlorobenzene			50.0	50.15		ug/L		100	80 - 120	1	20
1,2-Dichloroethane			50.0	50.03		ug/L		100	75 - 123	3	24
Benzene			50.0	46.93		ug/L		94	78 - 120	4	21
Carbon tetrachloride			50.0	52.29		ug/L		105	67 - 139	4	30
Chlorobenzene			50.0	49.12		ug/L		98	80 - 120	2	20
Di-isopropyl ether (DIPE)			50.0	49.73		ug/L		99	72 - 132	1	29
Ethanol			500	486.7		ug/L		97	56 - 150	4	30
Ethylbenzene			50.0	49.57		ug/L		99	80 - 120	3	20
Ethyl-t-butyl ether (ETBE)			50.0	44.03		ug/L		88	74 - 122	0	27
Methyl-t-Butyl Ether (MTBE)			50.0	41.42		ug/L		83	77 - 120	1	24
o-Xylene			50.0	50.84		ug/L		102	80 - 125	3	20
m,p-Xylene			100	100.6		ug/L		101	80 - 125	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*80 - 129*
4-Bromofluorobenzene (Surr)	*108*		*77 - 120*
Dibromofluoromethane (Surr)	*91*		*80 - 128*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: MB 570-112944/1-A
Matrix: Solid
Analysis Batch: 113173

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112944

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
1,2-Dichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
1,3-Dichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
1,4-Dichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
1-Methylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2,4,5-Trichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2,4,6-Trichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2,4-Dichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2,4-Dinitrophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2,4-Dinitrotoluene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2,6-Dichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2,6-Dinitrotoluene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2-Chloronaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2-Chlorophenol	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2-Methylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2-Methylphenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2-Nitroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2-Nitrophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
3,3'-Dichlorobenzidine	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1

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

Lab Sample ID: MB 570-112944/1-A
Matrix: Solid
Analysis Batch: 113173

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112944

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3/4-Methylphenol	ND		0.10		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
3-Nitroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
4,6-Dinitro-2-methylphenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
4-Bromophenyl phenyl ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
4-Chloro-3-methylphenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
4-Chloroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
4-Chlorophenyl phenyl ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
4-Nitroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
4-Nitrophenol	ND		0.50		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Acenaphthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Acenaphthylene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Aniline	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Anthracene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Azobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Benzidine	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Benzo[a]anthracene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Benzo[a]pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Benzoic acid	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Benzyl alcohol	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Bis(2-chloroethoxy)methane	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Bis(2-chloroethyl)ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
bis (2-Chloroisopropyl) ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Bis(2-ethylhexyl) phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Butyl benzyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Chrysene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Dibenzofuran	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Diethyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Dimethyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Di-n-butyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Di-n-octyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Fluoranthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Fluorene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Hexachloro-1,3-butadiene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Hexachlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Hexachlorocyclopentadiene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Hexachloroethane	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Isophorone	ND		0.50		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Naphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Nitrobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
N-Nitrosodimethylamine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
N-Nitrosodi-n-propylamine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
N-Nitrosodiphenylamine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Pentachlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Phenanthrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1

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

Lab Sample ID: MB 570-112944/1-A
Matrix: Solid
Analysis Batch: 113173

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112944

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Pyridine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*16 - 132*	*11/30/20 17:20*	*12/01/20 15:56*	*1*
2-Fluorophenol (Surr)	*96*		*13 - 120*	*11/30/20 17:20*	*12/01/20 15:56*	*1*
Nitrobenzene-d5 (Surr)	*87*		*14 - 120*	*11/30/20 17:20*	*12/01/20 15:56*	*1*
Phenol-d6 (Surr)	*96*		*12 - 120*	*11/30/20 17:20*	*12/01/20 15:56*	*1*
p-Terphenyl-d14 (Surr)	*89*		*24 - 120*	*11/30/20 17:20*	*12/01/20 15:56*	*1*
2-Fluorobiphenyl (Surr)	*84*		*19 - 120*	*11/30/20 17:20*	*12/01/20 15:56*	*1*

Lab Sample ID: MB 570-112944/1-A
Matrix: Solid
Analysis Batch: 113388

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112944

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
1,2-Dichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
1,3-Dichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
1,4-Dichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
1,6,7-Trimethylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
1-Methylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
1-Methylphenanthrene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
2,4,5-Trichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
2,4,6-Trichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
2,4-Dichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
2,4-Dinitrophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
2,4-Dinitrotoluene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
2,6-Dichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
2,6-Dimethylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
2,6-Dinitrotoluene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
2-Chloronaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
2-Chlorophenol	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
2-Methylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
2-Methylphenol	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
2-Nitroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
2-Nitrophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
3,3'-Dichlorobenzidine	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
3/4-Methylphenol	ND		0.10		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
3-Nitroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
4,6-Dinitro-2-methylphenol	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
4-Bromophenyl phenyl ether	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
4-Chloro-3-methylphenol	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
4-Chloroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
4-Chlorophenyl phenyl ether	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
4-Nitroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1

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

Lab Sample ID: MB 570-112944/1-A
Matrix: Solid
Analysis Batch: 113388

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112944

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		0.50		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Acenaphthene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Acenaphthylene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Aniline	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Anthracene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Azobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Benzidine	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Benzo[a]anthracene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Benzo[a]pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Benzo[e]pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Benzoic acid	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Benzyl alcohol	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Biphenyl	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Bis(2-chloroethoxy)methane	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Bis(2-chloroethyl)ether	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
bis (2-Chloroisopropyl) ether	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Bis(2-ethylhexyl) phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Butyl benzyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Chrysene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
DCPA	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Dibenzofuran	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Dibenzothiophene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Diethyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Dimethyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Di-n-butyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Di-n-octyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Fluoranthene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Fluorene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Hexachloro-1,3-butadiene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Hexachlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Hexachlorocyclopentadiene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Hexachloroethane	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Isophorone	ND		0.50		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Naphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Nitrobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
N-Nitrosodimethylamine	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
N-Nitrosodi-n-propylamine	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
N-Nitrosodiphenylamine	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Pentachlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Perthane	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Perylene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Phenanthrene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Phenol	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1
Pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1

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

Lab Sample ID: MB 570-112944/1-A
Matrix: Solid
Analysis Batch: 113388

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112944

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 12:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*16 - 132*	*11/30/20 17:20*	*12/02/20 12:24*	*1*
2-Fluorophenol (Surr)	*105*		*13 - 120*	*11/30/20 17:20*	*12/02/20 12:24*	*1*
Nitrobenzene-d5 (Surr)	*68*		*14 - 120*	*11/30/20 17:20*	*12/02/20 12:24*	*1*
Phenol-d6 (Surr)	*94*		*12 - 120*	*11/30/20 17:20*	*12/02/20 12:24*	*1*
p-Terphenyl-d14 (Surr)	*100*		*24 - 120*	*11/30/20 17:20*	*12/02/20 12:24*	*1*
2-Fluorobiphenyl (Surr)	*82*		*19 - 120*	*11/30/20 17:20*	*12/02/20 12:24*	*1*

Lab Sample ID: LCS 570-112944/2-A
Matrix: Solid
Analysis Batch: 113173

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112944

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,6-Trichlorophenol	1.00	0.8526		mg/Kg		85	35 - 132
2,4-Dichlorophenol	1.00	0.9892		mg/Kg		99	43 - 130
2-Methylphenol	1.00	0.9815		mg/Kg		98	38 - 127
2-Nitrophenol	1.00	1.061		mg/Kg		106	28 - 149
4-Chloro-3-methylphenol	1.00	0.9663		mg/Kg		97	36 - 136
Acenaphthene	1.00	0.9213		mg/Kg		92	37 - 126
Benzo[a]pyrene	1.00	0.9720		mg/Kg		97	48 - 137
Chrysene	1.00	0.9332		mg/Kg		93	47 - 130
Dimethyl phthalate	1.00	0.9145		mg/Kg		91	35 - 131
Di-n-butyl phthalate	1.00	0.9607		mg/Kg		96	43 - 139
Fluoranthene	1.00	0.9504		mg/Kg		95	47 - 135
Fluorene	1.00	0.9545		mg/Kg		95	36 - 134
Naphthalene	1.00	0.9856		mg/Kg		99	41 - 126
Phenanthrene	1.00	0.9170		mg/Kg		92	43 - 125
Phenol	1.00	1.046		mg/Kg		105	34 - 125
Pyrene	1.00	0.9431		mg/Kg		94	46 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*89*		*16 - 132*
2-Fluorophenol (Surr)	*99*		*13 - 120*
Nitrobenzene-d5 (Surr)	*91*		*14 - 120*
Phenol-d6 (Surr)	*101*		*12 - 120*
p-Terphenyl-d14 (Surr)	*94*		*24 - 120*
2-Fluorobiphenyl (Surr)	*83*		*19 - 120*

Lab Sample ID: LCSD 570-112944/3-A
Matrix: Solid
Analysis Batch: 113173

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112944

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,6-Trichlorophenol	1.00	0.9132		mg/Kg		91	35 - 132	7	26
2,4-Dichlorophenol	1.00	1.045		mg/Kg		105	43 - 130	6	24
2-Methylphenol	1.00	1.057		mg/Kg		106	38 - 127	7	27

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

Lab Sample ID: LCSD 570-112944/3-A
Matrix: Solid
Analysis Batch: 113173

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112944

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Nitrophenol			1.00	1.122		mg/Kg		112	28 - 149	6	30
4-Chloro-3-methylphenol			1.00	1.025		mg/Kg		103	36 - 136	6	24
Acenaphthene			1.00	0.9508		mg/Kg		95	37 - 126	3	21
Benzo[a]pyrene			1.00	1.011		mg/Kg		101	48 - 137	4	25
Chrysene			1.00	0.9880		mg/Kg		99	47 - 130	6	21
Dimethyl phthalate			1.00	0.9438		mg/Kg		94	35 - 131	3	20
Di-n-butyl phthalate			1.00	0.9725		mg/Kg		97	43 - 139	1	25
Fluoranthene			1.00	0.9664		mg/Kg		97	47 - 135	2	25
Fluorene			1.00	0.9712		mg/Kg		97	36 - 134	2	22
Naphthalene			1.00	1.022		mg/Kg		102	41 - 126	4	23
Phenanthrene			1.00	0.9611		mg/Kg		96	43 - 125	5	19
Phenol			1.00	1.110		mg/Kg		111	34 - 125	6	24
Pyrene			1.00	0.9912		mg/Kg		99	46 - 129	5	22

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*92*		*16 - 132*
2-Fluorophenol (Surr)	*104*		*13 - 120*
Nitrobenzene-d5 (Surr)	*94*		*14 - 120*
Phenol-d6 (Surr)	*106*		*12 - 120*
p-Terphenyl-d14 (Surr)	*97*		*24 - 120*
2-Fluorobiphenyl (Surr)	*87*		*19 - 120*

Lab Sample ID: 570-44564-3 MS
Matrix: Solid
Analysis Batch: 113173

Client Sample ID: MC-SV-11_10
Prep Type: Total/NA
Prep Batch: 112944

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,6-Trichlorophenol	ND		0.999	0.8332		mg/Kg		83	24 - 133		
2,4-Dichlorophenol	ND		0.999	0.9414		mg/Kg		94	31 - 130		
2-Methylphenol	ND		0.999	0.9779		mg/Kg		98	20 - 128		
2-Nitrophenol	ND		0.999	0.9979		mg/Kg		100	19 - 143		
4-Chloro-3-methylphenol	ND		0.999	0.9305		mg/Kg		93	38 - 130		
Acenaphthene	ND		0.999	0.8646		mg/Kg		87	36 - 125		
Benzo[a]pyrene	ND		0.999	0.8990		mg/Kg		90	25 - 172		
Chrysene	ND		0.999	0.8819		mg/Kg		88	28 - 158		
Dimethyl phthalate	ND		0.999	0.8897		mg/Kg		89	30 - 125		
Di-n-butyl phthalate	ND		0.999	0.9270		mg/Kg		93	28 - 142		
Fluoranthene	ND		0.999	0.9040		mg/Kg		90	14 - 175		
Fluorene	ND		0.999	0.9250		mg/Kg		93	40 - 125		
Naphthalene	ND		0.999	0.9087		mg/Kg		91	33 - 125		
Phenanthrene	ND		0.999	0.8955		mg/Kg		90	18 - 150		
Phenol	ND		0.999	0.9888		mg/Kg		98	23 - 125		
Pyrene	ND		0.999	0.8849		mg/Kg		89	30 - 154		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*85*		*16 - 132*
2-Fluorophenol (Surr)	*94*		*13 - 120*
Nitrobenzene-d5 (Surr)	*82*		*14 - 120*

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

Lab Sample ID: 570-44564-3 MS
Matrix: Solid
Analysis Batch: 113173

Client Sample ID: MC-SV-11_10
Prep Type: Total/NA
Prep Batch: 112944

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Phenol-d6 (Surr)	*98*		*12 - 120*
p-Terphenyl-d14 (Surr)	*85*		*24 - 120*
2-Fluorobiphenyl (Surr)	*80*		*19 - 120*

Lab Sample ID: 570-44564-3 MSD
Matrix: Solid
Analysis Batch: 113173

Client Sample ID: MC-SV-11_10
Prep Type: Total/NA
Prep Batch: 112944

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,6-Trichlorophenol	ND		0.999	0.7299		mg/Kg		73	24 - 133	13	28
2,4-Dichlorophenol	ND		0.999	0.8742		mg/Kg		88	31 - 130	7	25
2-Methylphenol	ND		0.999	0.9431		mg/Kg		94	20 - 128	4	26
2-Nitrophenol	ND		0.999	0.9136		mg/Kg		91	19 - 143	9	28
4-Chloro-3-methylphenol	ND		0.999	0.8496		mg/Kg		85	38 - 130	9	22
Acenaphthene	ND		0.999	0.7745		mg/Kg		78	36 - 125	11	29
Benzo[a]pyrene	ND		0.999	0.7811		mg/Kg		78	25 - 172	14	27
Chrysene	ND		0.999	0.7849		mg/Kg		79	28 - 158	12	27
Dimethyl phthalate	ND		0.999	0.7590		mg/Kg		76	30 - 125	16	21
Di-n-butyl phthalate	ND		0.999	0.7880		mg/Kg		79	28 - 142	16	24
Fluoranthene	ND		0.999	0.7691		mg/Kg		77	14 - 175	16	23
Fluorene	ND		0.999	0.7893		mg/Kg		79	40 - 125	16	24
Naphthalene	ND		0.999	0.8409		mg/Kg		84	33 - 125	8	28
Phenanthrene	ND		0.999	0.7976		mg/Kg		80	18 - 150	12	22
Phenol	ND		0.999	0.9290		mg/Kg		92	23 - 125	6	25
Pyrene	ND		0.999	0.8023		mg/Kg		80	30 - 154	10	29

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*76*		*16 - 132*
2-Fluorophenol (Surr)	*91*		*13 - 120*
Nitrobenzene-d5 (Surr)	*76*		*14 - 120*
Phenol-d6 (Surr)	*91*		*12 - 120*
p-Terphenyl-d14 (Surr)	*78*		*24 - 120*
2-Fluorobiphenyl (Surr)	*71*		*19 - 120*

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

Lab Sample ID: MB 570-112910/1-A
Matrix: Solid
Analysis Batch: 113106

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112910

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 16:59	1
C7 as C7	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 16:59	1
C8 as C8	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 16:59	1
C9-C10	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 16:59	1
C11-C12	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 16:59	1
C13-C14	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 16:59	1
C15-C16	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 16:59	1

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

Lab Sample ID: MB 570-112910/1-A
Matrix: Solid
Analysis Batch: 113106

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112910

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C17-C18	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 16:59	1
C19-C20	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 16:59	1
C21-C22	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 16:59	1
C23-C24	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 16:59	1
C25-C28	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 16:59	1
C29-C32	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 16:59	1
C33-C36	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 16:59	1
C37-C40	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 16:59	1
C41-C44	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 16:59	1
C6-C44	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 16:59	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		11/30/20 15:13	12/01/20 16:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*93*		*61 - 145*	*11/30/20 15:13*	*12/01/20 16:59*	*1*

Lab Sample ID: LCS 570-112910/2-A
Matrix: Solid
Analysis Batch: 113106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112910

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			400	434.6		mg/Kg		109	67 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*97*		*61 - 145*

Lab Sample ID: LCSD 570-112910/3-A
Matrix: Solid
Analysis Batch: 113106

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112910

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			400	427.8		mg/Kg		107	67 - 121	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*91*		*61 - 145*

Lab Sample ID: 570-44570-A-11-C MS
Matrix: Solid
Analysis Batch: 113106

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 112910

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	68		400	451.2		mg/Kg		96	33 - 153		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*88*		*61 - 145*

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

Lab Sample ID: 570-44570-A-11-D MSD
Matrix: Solid
Analysis Batch: 113106

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 112910

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	68		400	443.1		mg/Kg		94	33 - 153	2	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*84*		*61 - 145*

Lab Sample ID: MB 570-113085/1-A
Matrix: Solid
Analysis Batch: 113106

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113085

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C9-C10	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C11-C12	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C13-C14	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C15-C16	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C17-C18	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C19-C20	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C21-C22	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C23-C24	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C25-C28	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C29-C32	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C33-C36	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C37-C40	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C41-C44	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C6-C44	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*85*		*61 - 145*	*12/01/20 10:15*	*12/02/20 00:38*	*1*

Lab Sample ID: LCS 570-113085/2-A
Matrix: Solid
Analysis Batch: 113106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113085

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			400	425.7		mg/Kg		106	67 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*83*		*61 - 145*

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

Lab Sample ID: LCSD 570-113085/3-A
Matrix: Solid
Analysis Batch: 113106

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113085

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			400	423.8		mg/Kg		106	67 - 121	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*80*		*61 - 145*

Lab Sample ID: 570-44564-3 MS
Matrix: Solid
Analysis Batch: 113106

Client Sample ID: MC-SV-11_10
Prep Type: Total/NA
Prep Batch: 113085

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	ND		398	401.4		mg/Kg		101	33 - 153		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*78*		*61 - 145*

Lab Sample ID: 570-44564-3 MSD
Matrix: Solid
Analysis Batch: 113106

Client Sample ID: MC-SV-11_10
Prep Type: Total/NA
Prep Batch: 113085

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		404	408.6		mg/Kg		101	33 - 153	2	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*77*		*61 - 145*

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

Lab Sample ID: MB 570-111918/1-A
Matrix: Solid
Analysis Batch: 112020

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111918

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/23/20 19:58	11/25/20 06:20	1
Aroclor-1221	ND		50		ug/Kg		11/23/20 19:58	11/25/20 06:20	1
Aroclor-1232	ND		50		ug/Kg		11/23/20 19:58	11/25/20 06:20	1
Aroclor-1242	ND		50		ug/Kg		11/23/20 19:58	11/25/20 06:20	1
Aroclor-1248	ND		50		ug/Kg		11/23/20 19:58	11/25/20 06:20	1
Aroclor-1254	ND		50		ug/Kg		11/23/20 19:58	11/25/20 06:20	1
Aroclor-1260	ND		50		ug/Kg		11/23/20 19:58	11/25/20 06:20	1
Aroclor-1262	ND		50		ug/Kg		11/23/20 19:58	11/25/20 06:20	1
Aroclor-1268	ND		50		ug/Kg		11/23/20 19:58	11/25/20 06:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*65*		*20 - 155*	*11/23/20 19:58*	*11/25/20 06:20*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*25 - 126*	*11/23/20 19:58*	*11/25/20 06:20*	*1*

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

Lab Sample ID: LCS 570-111918/4-A
Matrix: Solid
Analysis Batch: 112020

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111918

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			50.0	43.95	J	ug/Kg		88	50 - 142		
Aroclor-1260			50.0	36.80	J	ug/Kg		74	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*92*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*101*		*25 - 126*

Lab Sample ID: LCSD 570-111918/5-A
Matrix: Solid
Analysis Batch: 112020

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111918

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016			50.0	43.59	J	ug/Kg		87	50 - 142	1	30
Aroclor-1260			50.0	36.00	J	ug/Kg		72	50 - 150	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*97*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*106*		*25 - 126*

Lab Sample ID: 570-44252-B-1-B MS
Matrix: Solid
Analysis Batch: 112020

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 111918

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016	ND		99.9	86.04		ug/Kg		86	20 - 175		
Aroclor-1260	ND		99.9	82.51		ug/Kg		83	20 - 180		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*76*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*74*		*25 - 126*

Lab Sample ID: 570-44252-B-1-C MSD
Matrix: Solid
Analysis Batch: 112020

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 111918

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		99.8	84.66		ug/Kg		85	20 - 175	2	40
Aroclor-1260	ND		99.8	84.81		ug/Kg		85	20 - 180	3	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*77*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*74*		*25 - 126*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-112923/1-A
Matrix: Solid
Analysis Batch: 113050

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112923

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.250		mg/Kg		11/30/20 17:00	12/01/20 08:07	1
Arsenic	ND		0.750		mg/Kg		11/30/20 17:00	12/01/20 08:07	1
Barium	ND		0.500		mg/Kg		11/30/20 17:00	12/01/20 08:07	1
Beryllium	ND		0.250		mg/Kg		11/30/20 17:00	12/01/20 08:07	1
Cadmium	ND		0.500		mg/Kg		11/30/20 17:00	12/01/20 08:07	1
Cobalt	ND		0.250		mg/Kg		11/30/20 17:00	12/01/20 08:07	1
Chromium	ND		0.250		mg/Kg		11/30/20 17:00	12/01/20 08:07	1
Copper	ND		0.500		mg/Kg		11/30/20 17:00	12/01/20 08:07	1
Molybdenum	ND		0.250		mg/Kg		11/30/20 17:00	12/01/20 08:07	1
Nickel	ND		0.250		mg/Kg		11/30/20 17:00	12/01/20 08:07	1
Antimony	ND		0.750		mg/Kg		11/30/20 17:00	12/01/20 08:07	1
Selenium	ND		0.750		mg/Kg		11/30/20 17:00	12/01/20 08:07	1
Thallium	ND		0.750		mg/Kg		11/30/20 17:00	12/01/20 08:07	1
Vanadium	ND		0.250		mg/Kg		11/30/20 17:00	12/01/20 08:07	1
Zinc	ND		1.00		mg/Kg		11/30/20 17:00	12/01/20 08:07	1
Lead	ND		0.500		mg/Kg		11/30/20 17:00	12/01/20 08:07	1

Lab Sample ID: LCS 570-112923/2-A
Matrix: Solid
Analysis Batch: 113050

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112923

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Silver			12.6	13.49		mg/Kg		107	80 - 120		
Arsenic			25.3	25.68		mg/Kg		102	80 - 120		
Barium			25.3	27.42		mg/Kg		109	80 - 120		
Beryllium			25.3	25.40		mg/Kg		101	80 - 120		
Cadmium			25.3	25.55		mg/Kg		101	80 - 120		
Cobalt			25.3	26.17		mg/Kg		104	80 - 120		
Chromium			25.3	25.84		mg/Kg		102	80 - 120		
Copper			25.3	27.16		mg/Kg		108	80 - 120		
Molybdenum			25.3	25.01		mg/Kg		99	80 - 120		
Nickel			25.3	27.18		mg/Kg		108	80 - 120		
Antimony			25.3	25.93		mg/Kg		103	80 - 120		
Selenium			25.3	26.24		mg/Kg		104	80 - 120		
Thallium			25.3	27.66		mg/Kg		110	80 - 120		
Vanadium			25.3	25.41		mg/Kg		101	80 - 120		
Zinc			25.3	26.63		mg/Kg		105	80 - 120		
Lead			25.3	26.55		mg/Kg		105	80 - 120		

Lab Sample ID: LCSD 570-112923/3-A
Matrix: Solid
Analysis Batch: 113050

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112923

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver			12.4	12.95		mg/Kg		104	80 - 120	4	20
Arsenic			24.9	23.77		mg/Kg		96	80 - 120	8	20
Barium			24.9	26.26		mg/Kg		106	80 - 120	4	20
Beryllium			24.9	24.31		mg/Kg		98	80 - 120	4	20
Cadmium			24.9	24.60		mg/Kg		99	80 - 120	4	20

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

Lab Sample ID: LCSD 570-112923/3-A
Matrix: Solid
Analysis Batch: 113050

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112923

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cobalt			24.9	25.08		mg/Kg		101	80 - 120	4	20
Chromium			24.9	24.94		mg/Kg		100	80 - 120	4	20
Copper			24.9	26.14		mg/Kg		105	80 - 120	4	20
Molybdenum			24.9	24.32		mg/Kg		98	80 - 120	3	20
Nickel			24.9	25.95		mg/Kg		104	80 - 120	5	20
Antimony			24.9	24.89		mg/Kg		100	80 - 120	4	20
Selenium			24.9	24.67		mg/Kg		99	80 - 120	6	20
Thallium			24.9	26.74		mg/Kg		107	80 - 120	3	20
Vanadium			24.9	24.55		mg/Kg		99	80 - 120	3	20
Zinc			24.9	25.19		mg/Kg		101	80 - 120	6	20
Lead			24.9	25.46		mg/Kg		102	80 - 120	4	20

Lab Sample ID: 570-43949-A-7-J MS
Matrix: Solid
Analysis Batch: 113050

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 112923

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND	L	12.6	12.44		mg/Kg		99	75 - 125
Arsenic	10.9		25.1	34.26		mg/Kg		93	75 - 125
Barium	107		25.1	135.3	4	mg/Kg		113	75 - 125
Beryllium	0.706		25.1	24.02		mg/Kg		93	75 - 125
Cadmium	0.822		25.1	21.83		mg/Kg		84	75 - 125
Cobalt	5.82		25.1	27.18		mg/Kg		85	75 - 125
Chromium	15.7		25.1	35.23		mg/Kg		78	75 - 125
Copper	17.8		25.1	40.97		mg/Kg		92	75 - 125
Molybdenum	1.13		25.1	21.08		mg/Kg		79	75 - 125
Nickel	12.8		25.1	33.59		mg/Kg		83	75 - 125
Antimony	ND	F1	25.1	3.358	F1	mg/Kg		13	50 - 115
Selenium	ND		25.1	21.82		mg/Kg		87	75 - 125
Thallium	ND		25.1	21.16		mg/Kg		84	75 - 125
Vanadium	36.3	F1	25.1	54.37	F1	mg/Kg		72	75 - 125
Zinc	61.7	F1	25.1	78.97	F1	mg/Kg		69	75 - 125
Lead	4.32		25.1	26.83		mg/Kg		90	75 - 125

Lab Sample ID: 570-43949-A-7-K MSD
Matrix: Solid
Analysis Batch: 113050

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 112923

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND	L	12.6	12.63		mg/Kg		101	75 - 125	2	20
Arsenic	10.9		25.1	34.55		mg/Kg		94	75 - 125	1	20
Barium	107		25.1	137.4	4	mg/Kg		121	75 - 125	1	20
Beryllium	0.706		25.1	24.32		mg/Kg		94	75 - 125	1	20
Cadmium	0.822		25.1	22.14		mg/Kg		85	75 - 125	1	20
Cobalt	5.82		25.1	27.66		mg/Kg		87	75 - 125	2	20
Chromium	15.7		25.1	35.91		mg/Kg		80	75 - 125	2	20
Copper	17.8		25.1	41.54		mg/Kg		95	75 - 125	1	20
Molybdenum	1.13		25.1	21.53		mg/Kg		81	75 - 125	2	20
Nickel	12.8		25.1	34.37		mg/Kg		86	75 - 125	2	20

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

Lab Sample ID: 570-43949-A-7-K MSD
Matrix: Solid
Analysis Batch: 113050

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 112923

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND	F1	25.1	2.865	F1	mg/Kg		11	50 - 115	16	20
Selenium	ND		25.1	22.75		mg/Kg		91	75 - 125	4	20
Thallium	ND		25.1	21.16		mg/Kg		84	75 - 125	0	20
Vanadium	36.3	F1	25.1	55.12		mg/Kg		75	75 - 125	1	20
Zinc	61.7	F1	25.1	80.36	F1	mg/Kg		74	75 - 125	2	20
Lead	4.32		25.1	27.68		mg/Kg		93	75 - 125	3	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-112924/1-A
Matrix: Solid
Analysis Batch: 113125

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112924

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		11/30/20 17:00	12/01/20 11:37	1

Lab Sample ID: LCS 570-112924/2-A
Matrix: Solid
Analysis Batch: 113125

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112924

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.820	0.7756		mg/Kg		95	85 - 121		

Lab Sample ID: LCSD 570-112924/3-A
Matrix: Solid
Analysis Batch: 113125

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112924

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.862	0.8166		mg/Kg		95	85 - 121	5	10

Lab Sample ID: 570-43949-A-7-G MS
Matrix: Solid
Analysis Batch: 113125

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 112924

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	ND		0.862	0.8854		mg/Kg		96	71 - 137		

Lab Sample ID: 570-43949-A-7-H MSD
Matrix: Solid
Analysis Batch: 113125

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 112924

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.877	0.9117		mg/Kg		97	71 - 137	3	14

GC/MS VOA

Prep Batch: 111928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44564-1	MC-SV-11_2	Total/NA	Solid	5035	
570-44564-3	MC-SV-11_10	Total/NA	Solid	5035	
570-44564-6	MC-SV-3_5	Total/NA	Solid	5035	
570-44564-7	MC-SV-3_10	Total/NA	Solid	5035	
570-44564-9	MC-SV-6_2	Total/NA	Solid	5035	
570-44564-10	MC-SV-6_5	Total/NA	Solid	5035	

Analysis Batch: 111994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44564-1	MC-SV-11_2	Total/NA	Solid	8260B	111928
570-44564-3	MC-SV-11_10	Total/NA	Solid	8260B	111928
570-44564-6	MC-SV-3_5	Total/NA	Solid	8260B	111928
570-44564-7	MC-SV-3_10	Total/NA	Solid	8260B	111928
570-44564-9	MC-SV-6_2	Total/NA	Solid	8260B	111928
570-44564-10	MC-SV-6_5	Total/NA	Solid	8260B	111928
MB 570-111994/8	Method Blank	Total/NA	Solid	8260B	
LCS 570-111994/5	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-111994/6	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 112639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44564-13	TB_20201123	Total/NA	Water	8260B	
570-44564-14	EB_20201123	Total/NA	Water	8260B	
MB 570-112639/8	Method Blank	Total/NA	Water	8260B	
LCS 570-112639/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-112639/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 112944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44564-1	MC-SV-11_2	Total/NA	Solid	3546	
570-44564-3	MC-SV-11_10	Total/NA	Solid	3546	
MB 570-112944/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-112944/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-112944/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
570-44564-3 MS	MC-SV-11_10	Total/NA	Solid	3546	
570-44564-3 MSD	MC-SV-11_10	Total/NA	Solid	3546	

Analysis Batch: 113173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44564-1	MC-SV-11_2	Total/NA	Solid	8270C SIM	112944
570-44564-3	MC-SV-11_10	Total/NA	Solid	8270C SIM	112944
MB 570-112944/1-A	Method Blank	Total/NA	Solid	8270C SIM	112944
LCS 570-112944/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	112944
LCSD 570-112944/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C SIM	112944
570-44564-3 MS	MC-SV-11_10	Total/NA	Solid	8270C SIM	112944
570-44564-3 MSD	MC-SV-11_10	Total/NA	Solid	8270C SIM	112944

GC/MS Semi VOA

Analysis Batch: 113388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44564-1	MC-SV-11_2	Total/NA	Solid	8270C SIM	112944
570-44564-3	MC-SV-11_10	Total/NA	Solid	8270C SIM	112944
MB 570-112944/1-A	Method Blank	Total/NA	Solid	8270C SIM	112944

GC Semi VOA

Cleanup Batch: 111775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44252-B-1-B MS	Matrix Spike	Total/NA	Solid	Concrete Crush	
570-44252-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	Concrete Crush	

Prep Batch: 111918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44564-1	MC-SV-11_2	Total/NA	Solid	3546	
570-44564-3	MC-SV-11_10	Total/NA	Solid	3546	
MB 570-111918/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-111918/4-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-111918/5-A	Lab Control Sample Dup	Total/NA	Solid	3546	
570-44252-B-1-B MS	Matrix Spike	Total/NA	Solid	3546	111775
570-44252-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	111775

Analysis Batch: 112020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44564-1	MC-SV-11_2	Total/NA	Solid	8082	111918
570-44564-3	MC-SV-11_10	Total/NA	Solid	8082	111918
MB 570-111918/1-A	Method Blank	Total/NA	Solid	8082	111918
LCS 570-111918/4-A	Lab Control Sample	Total/NA	Solid	8082	111918
LCSD 570-111918/5-A	Lab Control Sample Dup	Total/NA	Solid	8082	111918
570-44252-B-1-B MS	Matrix Spike	Total/NA	Solid	8082	111918
570-44252-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	111918

Prep Batch: 112910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44564-6	MC-SV-3_5	Total/NA	Solid	3550C	
570-44564-7	MC-SV-3_10	Total/NA	Solid	3550C	
570-44564-9	MC-SV-6_2	Total/NA	Solid	3550C	
570-44564-10	MC-SV-6_5	Total/NA	Solid	3550C	
MB 570-112910/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-112910/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-112910/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-44570-A-11-C MS	Matrix Spike	Total/NA	Solid	3550C	
570-44570-A-11-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

Prep Batch: 113085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44564-1	MC-SV-11_2	Total/NA	Solid	3550C	
570-44564-3	MC-SV-11_10	Total/NA	Solid	3550C	
MB 570-113085/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-113085/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-113085/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-44564-3 MS	MC-SV-11_10	Total/NA	Solid	3550C	

GC Semi VOA (Continued)

Prep Batch: 113085 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44564-3 MSD	MC-SV-11_10	Total/NA	Solid	3550C	

Analysis Batch: 113106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44564-1	MC-SV-11_2	Total/NA	Solid	8015B	113085
570-44564-3	MC-SV-11_10	Total/NA	Solid	8015B	113085
570-44564-6	MC-SV-3_5	Total/NA	Solid	8015B	112910
570-44564-7	MC-SV-3_10	Total/NA	Solid	8015B	112910
570-44564-9	MC-SV-6_2	Total/NA	Solid	8015B	112910
570-44564-10	MC-SV-6_5	Total/NA	Solid	8015B	112910
MB 570-112910/1-A	Method Blank	Total/NA	Solid	8015B	112910
MB 570-113085/1-A	Method Blank	Total/NA	Solid	8015B	113085
LCS 570-112910/2-A	Lab Control Sample	Total/NA	Solid	8015B	112910
LCS 570-113085/2-A	Lab Control Sample	Total/NA	Solid	8015B	113085
LCSD 570-112910/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	112910
LCSD 570-113085/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	113085
570-44564-3 MS	MC-SV-11_10	Total/NA	Solid	8015B	113085
570-44564-3 MSD	MC-SV-11_10	Total/NA	Solid	8015B	113085
570-44570-A-11-C MS	Matrix Spike	Total/NA	Solid	8015B	112910
570-44570-A-11-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	112910

Metals

Prep Batch: 112923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44564-1	MC-SV-11_2	Total/NA	Solid	3050B	
570-44564-3	MC-SV-11_10	Total/NA	Solid	3050B	
MB 570-112923/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-112923/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-112923/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-43949-A-7-J MS	Matrix Spike	Total/NA	Solid	3050B	
570-43949-A-7-K MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Prep Batch: 112924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44564-1	MC-SV-11_2	Total/NA	Solid	7471A	
570-44564-3	MC-SV-11_10	Total/NA	Solid	7471A	
MB 570-112924/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-112924/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-112924/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-43949-A-7-G MS	Matrix Spike	Total/NA	Solid	7471A	
570-43949-A-7-H MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	

Analysis Batch: 113050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44564-1	MC-SV-11_2	Total/NA	Solid	6010B	112923
570-44564-3	MC-SV-11_10	Total/NA	Solid	6010B	112923
MB 570-112923/1-A	Method Blank	Total/NA	Solid	6010B	112923
LCS 570-112923/2-A	Lab Control Sample	Total/NA	Solid	6010B	112923
LCSD 570-112923/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	112923
570-43949-A-7-J MS	Matrix Spike	Total/NA	Solid	6010B	112923

Metals (Continued)

Analysis Batch: 113050 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-43949-A-7-K MSD	Matrix Spike Duplicate	Total/NA	Solid	6010B	112923

Analysis Batch: 113125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44564-1	MC-SV-11_2	Total/NA	Solid	7471A	112924
570-44564-3	MC-SV-11_10	Total/NA	Solid	7471A	112924
MB 570-112924/1-A	Method Blank	Total/NA	Solid	7471A	112924
LCS 570-112924/2-A	Lab Control Sample	Total/NA	Solid	7471A	112924
LCSD 570-112924/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	112924
570-43949-A-7-G MS	Matrix Spike	Total/NA	Solid	7471A	112924
570-43949-A-7-H MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	112924

Lab Chronicle

Client: Avocet Environmental Inc
Job ID: 570-44564-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: MC-SV-11_2
Lab Sample ID: 570-44564-1
Date Collected: 11/23/20 08:40
Matrix: Solid
Date Received: 11/23/20 15:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.695 g	5 g	111928	11/23/20 21:27	MGX6	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	111994	11/24/20 13:35	MGX6	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Prep	3546			20.03 g	2 mL	112944	11/30/20 17:20	UWEZ	ECL 1
Total/NA	Analysis	8270C SIM		1			113388	12/02/20 12:43	ULLI	ECL 1
	Instrument ID: GCMSEEE									
Total/NA	Prep	3546			20.03 g	2 mL	112944	11/30/20 17:20	UWEZ	ECL 1
Total/NA	Analysis	8270C SIM		1			113173	12/01/20 17:28	ULLI	ECL 1
	Instrument ID: GCMSJJJ									
Total/NA	Prep	3550C			10.06 g	10 mL	113085	12/01/20 10:15	UFLU	ECL 1
Total/NA	Analysis	8015B		1			113106	12/02/20 02:29	N5Y3	ECL 1
	Instrument ID: GC47									
Total/NA	Prep	3546			20.12 g	10 mL	111918	11/24/20 10:54	USUL	ECL 1
Total/NA	Analysis	8082		1			112020	11/25/20 09:19	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.07 g	100 mL	112923	11/30/20 17:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			113050	12/01/20 08:22	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.60 g	100 mL	112924	11/30/20 17:00	SP7J	ECL 1
Total/NA	Analysis	7471A		1			113125	12/01/20 11:50	MD3A	ECL 1
	Instrument ID: HG8									

Client Sample ID: MC-SV-11_10
Lab Sample ID: 570-44564-3
Date Collected: 11/23/20 09:15
Matrix: Solid
Date Received: 11/23/20 15:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3.418 g	5 g	111928	11/23/20 21:27	MGX6	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	111994	11/24/20 14:02	MGX6	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Prep	3546			20.10 g	2 mL	112944	11/30/20 17:20	UWEZ	ECL 1
Total/NA	Analysis	8270C SIM		1			113388	12/02/20 13:01	ULLI	ECL 1
	Instrument ID: GCMSEEE									
Total/NA	Prep	3546			20.10 g	2 mL	112944	11/30/20 17:20	UWEZ	ECL 1
Total/NA	Analysis	8270C SIM		1			113173	12/01/20 17:46	ULLI	ECL 1
	Instrument ID: GCMSJJJ									
Total/NA	Prep	3550C			10.15 g	10 mL	113085	12/01/20 10:15	UFLU	ECL 1
Total/NA	Analysis	8015B		1			113106	12/02/20 02:52	N5Y3	ECL 1
	Instrument ID: GC47									
Total/NA	Prep	3546			20.29 g	10 mL	111918	11/24/20 10:54	USUL	ECL 1
Total/NA	Analysis	8082		1			112020	11/25/20 09:37	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.91 g	100 mL	112923	11/30/20 17:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			113050	12/01/20 08:24	ULPF	ECL 1
	Instrument ID: ICP8									

Client Sample ID: MC-SV-11_10
Lab Sample ID: 570-44564-3
Date Collected: 11/23/20 09:15
Matrix: Solid
Date Received: 11/23/20 15:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.61 g	100 mL	112924	11/30/20 17:00	SP7J	ECL 1
Total/NA	Analysis	7471A		1			113125	12/01/20 11:52	MD3A	ECL 1
	Instrument ID: HG8									

Client Sample ID: MC-SV-3_5
Lab Sample ID: 570-44564-6
Date Collected: 11/23/20 10:29
Matrix: Solid
Date Received: 11/23/20 15:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.466 g	5 g	111928	11/23/20 21:27	MGX6	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	111994	11/24/20 14:29	MGX6	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Prep	3550C			9.95 g	10 mL	112910	11/30/20 15:13	EM5C	ECL 1
Total/NA	Analysis	8015B		1			113106	12/01/20 20:15	N5Y3	ECL 1
	Instrument ID: GC47									

Client Sample ID: MC-SV-3_10
Lab Sample ID: 570-44564-7
Date Collected: 11/23/20 10:40
Matrix: Solid
Date Received: 11/23/20 15:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.356 g	5 g	111928	11/23/20 21:27	MGX6	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	111994	11/24/20 14:56	MGX6	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Prep	3550C			9.89 g	10 mL	112910	11/30/20 15:13	EM5C	ECL 1
Total/NA	Analysis	8015B		1			113106	12/01/20 20:36	N5Y3	ECL 1
	Instrument ID: GC47									

Client Sample ID: MC-SV-6_2
Lab Sample ID: 570-44564-9
Date Collected: 11/23/20 11:47
Matrix: Solid
Date Received: 11/23/20 15:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.345 g	5 g	111928	11/23/20 21:27	MGX6	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	111994	11/24/20 15:23	MGX6	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Prep	3550C			9.97 g	10 mL	112910	11/30/20 15:13	EM5C	ECL 1
Total/NA	Analysis	8015B		1			113106	12/01/20 20:58	N5Y3	ECL 1
	Instrument ID: GC47									

Lab Chronicle

Client: Avocet Environmental Inc
Job ID: 570-44564-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: MC-SV-6_5
Lab Sample ID: 570-44564-10
Date Collected: 11/23/20 11:55
Matrix: Solid
Date Received: 11/23/20 15:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.807 g	5 g	111928	11/23/20 21:27	MGX6	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	111994	11/24/20 15:50	MGX6	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Prep	3550C			10.20 g	10 mL	112910	11/30/20 15:13	EM5C	ECL 1
Total/NA	Analysis	8015B		1			113106	12/01/20 21:21	N5Y3	ECL 1
	Instrument ID: GC47									

Client Sample ID: TB_20201123
Lab Sample ID: 570-44564-13
Date Collected: 11/23/20 00:00
Matrix: Water
Date Received: 11/23/20 15:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	112639	11/28/20 14:49	A1W	ECL 2
	Instrument ID: GCMSXX									

Client Sample ID: EB_20201123
Lab Sample ID: 570-44564-14
Date Collected: 11/23/20 14:20
Matrix: Water
Date Received: 11/23/20 15:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	112639	11/28/20 15:15	A1W	ECL 2
	Instrument ID: GCMSXX									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Avocet Environmental Inc
Job ID: 570-44564-1
Project/Site: Fairview Development Center / 1431.005

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	State	2944	09-30-21
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

Method Summary

Client: Avocet Environmental Inc
Job ID: 570-44564-1
Project/Site: Fairview Development Center / 1431.005

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
8270C SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	ECL 1
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
6010B	Metals (ICP)	SW846	ECL 1
7471A	Mercury (CVAA)	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1
3546	Microwave Extraction	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL 2
5035	Closed System Purge and Trap	SW846	ECL 2
7471A	Preparation, Mercury	SW846	ECL 1

Protocol References:

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

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Avocet Environmental Inc
Job ID: 570-44564-1
Project/Site: Fairview Development Center / 1431.005

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-44564-1	MC-SV-11_2	Solid	11/23/20 08:40	11/23/20 15:27	
570-44564-3	MC-SV-11_10	Solid	11/23/20 09:15	11/23/20 15:27	
570-44564-6	MC-SV-3_5	Solid	11/23/20 10:29	11/23/20 15:27	
570-44564-7	MC-SV-3_10	Solid	11/23/20 10:40	11/23/20 15:27	
570-44564-9	MC-SV-6_2	Solid	11/23/20 11:47	11/23/20 15:27	
570-44564-10	MC-SV-6_5	Solid	11/23/20 11:55	11/23/20 15:27	
570-44564-13	TB_20201123	Water	11/23/20 00:00	11/23/20 15:27	
570-44564-14	EB_20201123	Water	11/23/20 14:20	11/23/20 15:27	

44564

AVOCET ENVIRONMENTAL, INC.
1 Technology Drive, Suite C515
Irvine, California 92618-5302
TEL (949) 296-0977
FAX (949) 296-0978

Sheet 1 of 1

CHAIN OF CUSTODY RECORD

Project Information:	Event Name:
Site Name	Fairview Developmental Center
Site Location	Costa Mesa, Ca
Project No.	1431.005
Project Manager	Deke Siren
Sampled By	SRR
Turnaround Time	Standard

ECI Project # 57006451

Sample Identification	Sample Date 11/23/20	Sample Time	Matrix	No. of Cntnrs.	Lab I.D. Number	TPH (C6-44) by EPA 8015B	VOCs by EPA 8260B/5035	SVOCs by EPA 8270 SIM	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	CrVI by EPA 7199	HOLD
MC - SV - 11 _2	~~0840~~	0840	Soil	4	1	X	X	X	X	X		
MC - SV - 11 _5	11/23/20	0900	Soil	1	2							X
MC - SV - 11 _10	11/23/20	0915	Soil	4	3	X	X	X	X	X		
MC - SV - 11 _15	11/23/20	0925	Soil	1	4							X
MC - SV - 3 _2	11/23/20	10:22	Soil	1	5							X
MC - SV - 3 _5	11/23/20	10:29	Soil	4	6	X	X					
MC - SV - 3 _10	11/23/20	10:90	Soil	4	7	X	X					
MC - SV - 3 _15	11/23/20	11:00	Soil	1	8							X
MC - SV - 6 _2	11/23/20	11:47	Soil	4	9	X	X					
MC - SV - 6 _5	11/23/20	11:55	Soil	4	10	X	X					
MC - SV - 6 _10	11/23/20	12:10	Soil	1	11							X
MC - SV - 6 _15	11/23/20	12:27	Soil	1	12							X
TB_20201123	11/23/20	—	Water	3	13		X					
EB_20201123	11/23/20	14:20	Water	3	14		X					

570-44564 Chain of Custody

Relinquished by	Company	Received by	Company
Printed Name: Scott Ruud	Avocet Environmental, Inc.	Printed Name: Antonio Cortez	ECI
Signature:		Signature:	
Date: 11/23/20		Date: 11-23-2020	
Time: 1527		Time: 15:27	
Printed Name:		Printed Name:	
Signature:		Signature:	
Date:		Date:	
Time:		Time:	
Printed Name:		Printed Name:	
Signature:		Signature:	
Date:		Date:	
Time:		Time:	

Sample Receipt		Billing Information	Special Instructions
Total Containers	TAT	Bill To: Philip Miller, P.E. AVOCET ENVIRONMENTAL, INC. 1 Technology Dive, Suite C515 Irvine, CA 92618-5302	Please bill to Avocet, If any questions, please call Scott Ruud at (949) 296-0977 x115.
Temperature °C / °F	Lab No.		
COC Seal (Y/N/NA)	Intact (Y/N)		

Login Sample Receipt Checklist

Client: Avocet Environmental Inc

Job Number: 570-44564-1

Login Number: 44564

List Number: 1

Creator: Patel, Jayesh

List Source: Eurofins Calscience

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

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-44671-1
Client Project/Site: Fairview Development Center / 1431.005

For:
Avocet Environmental Inc
1 Technology Drive
Suite C515
Irvine, California 92618

Attn: Deke Siren

Virendra R Patel

Authorized for release by:
12/2/2020 4:18:23 PM

Virendra Patel, Project Manager I
(714)895-5494
Virendra.Patel@eurofinset.com

LINKS

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Glossary

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

Job ID: 570-44671-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-44671-1

Comments
No additional comments.

Receipt
The samples were received on 11/24/2020 4:20 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.2º C.

GC/MS VOA
Method 8260B: The initial calibration curve analyzed in batch 570-112372 was outside method criteria for the following analyte(s): Bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered an estimated concentration.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-112372.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-112682.

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

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

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

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

Detection Summary

Client: Avocet Environmental Inc
Job ID: 570-44671-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: MC-SV-5_2 — Lab Sample ID: 570-44671-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	42		18		ug/Kg	1		8260B	Total/NA

Client Sample ID: MC-SV-5_5 — Lab Sample ID: 570-44671-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	30		24		ug/Kg	1		8260B	Total/NA

Client Sample ID: MC-SV-2_2 — Lab Sample ID: 570-44671-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	69		21		ug/Kg	1		8260B	Total/NA

Client Sample ID: MC-SV-2_5 — Lab Sample ID: 570-44671-6

No Detections.

Client Sample ID: MC-SV-4_5 — Lab Sample ID: 570-44671-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	150		35		ug/Kg	1		8260B	Total/NA

Client Sample ID: TVB-3_0.5 — Lab Sample ID: 570-44671-17

No Detections.

Client Sample ID: TVB-2_0.5 — Lab Sample ID: 570-44671-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	20000		5000		ug/Kg	100		8082	Total/NA

Client Sample ID: TVB-1_0.5 — Lab Sample ID: 570-44671-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	53		50		ug/Kg	1		8082	Total/NA

Client Sample ID: TB_20201124 — Lab Sample ID: 570-44671-20

No Detections.

Client Sample ID: EB_20201124 — Lab Sample ID: 570-44671-21

No Detections.

This Detection Summary does not include radiochemical test results.

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

Client Sample ID: MC-SV-5_2
Date Collected: 11/24/20 08:13
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
1,1,1-Trichloroethane	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
1,1,2,2-Tetrachloroethane	ND		1.8		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.1		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
1,1,2-Trichloroethane	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
1,1-Dichloroethane	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
1,1-Dichloroethene	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
1,1-Dichloropropene	ND		1.8		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
1,2,3-Trichlorobenzene	ND		1.8		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
1,2,3-Trichloropropane	ND		1.8		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
1,2,4-Trichlorobenzene	ND		1.8		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
1,2,4-Trimethylbenzene	ND		1.8		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
1,2-Dibromo-3-Chloropropane	ND		9.1		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
1,2-Dibromoethane	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
1,2-Dichlorobenzene	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
1,2-Dichloroethane	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
1,2-Dichloropropane	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
1,3,5-Trimethylbenzene	ND		1.8		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
1,3-Dichlorobenzene	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
1,3-Dichloropropane	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
1,4-Dichlorobenzene	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
2,2-Dichloropropane	ND		4.6		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
2-Butanone	ND		18		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
2-Chlorotoluene	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
2-Hexanone	ND		18		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
4-Chlorotoluene	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
4-Methyl-2-pentanone	ND		18		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Acetone	**42**		18		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Benzene	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Bromobenzene	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Bromochloromethane	ND		1.8		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Bromodichloromethane	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Bromoform	ND		4.6		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Bromomethane	ND		18		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
cis-1,2-Dichloroethene	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
cis-1,3-Dichloropropene	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Carbon disulfide	ND		9.1		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Carbon tetrachloride	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Chlorobenzene	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Chloroethane	ND		1.8		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Chloroform	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Chloromethane	ND		18		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Dibromochloromethane	ND		1.8		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Dibromomethane	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Dichlorodifluoromethane	ND		1.8		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Di-isopropyl ether (DIPE)	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Ethanol	ND		230		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Ethylbenzene	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Ethyl-t-butyl ether (ETBE)	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1

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

Client Sample ID: MC-SV-5_2
Date Collected: 11/24/20 08:13
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Methylene Chloride	ND		9.1		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Methyl-t-Butyl Ether (MTBE)	ND		1.8		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Naphthalene	ND		9.1		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
n-Butylbenzene	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
N-Propylbenzene	ND		1.8		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
o-Xylene	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
m,p-Xylene	ND		1.8		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
p-Isopropyltoluene	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
sec-Butylbenzene	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Styrene	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
trans-1,2-Dichloroethene	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
trans-1,3-Dichloropropene	ND		1.8		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Tert-amyl-methyl ether (TAME)	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
tert-Butyl alcohol (TBA)	ND		18		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
tert-Butylbenzene	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Tetrachloroethene	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Toluene	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Trichloroethene	ND		1.8		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Trichlorofluoromethane	ND		9.1		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Vinyl acetate	ND		9.1		ug/Kg		11/25/20 11:58	11/25/20 16:42	1
Vinyl chloride	ND		0.91		ug/Kg		11/25/20 11:58	11/25/20 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*71 - 155*	*11/25/20 11:58*	*11/25/20 16:42*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*11/25/20 11:58*	*11/25/20 16:42*	*1*
Dibromofluoromethane (Surr)	*100*		*79 - 133*	*11/25/20 11:58*	*11/25/20 16:42*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*11/25/20 11:58*	*11/25/20 16:42*	*1*

Client Sample ID: MC-SV-5_5
Date Collected: 11/24/20 08:18
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
1,1,1-Trichloroethane	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
1,1,2,2-Tetrachloroethane	ND		2.4		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
1,1,2-Trichloroethane	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
1,1-Dichloroethane	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
1,1-Dichloroethene	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
1,1-Dichloropropene	ND		2.4		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
1,2,3-Trichlorobenzene	ND		2.4		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
1,2,3-Trichloropropane	ND		2.4		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
1,2,4-Trichlorobenzene	ND		2.4		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
1,2,4-Trimethylbenzene	ND		2.4		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
1,2-Dibromo-3-Chloropropane	ND		12		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
1,2-Dibromoethane	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
1,2-Dichlorobenzene	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
1,2-Dichloroethane	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
1,2-Dichloropropane	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1

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

Client Sample ID: MC-SV-5_5
Date Collected: 11/24/20 08:18
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		2.4		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
1,3-Dichlorobenzene	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
1,3-Dichloropropane	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
1,4-Dichlorobenzene	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
2,2-Dichloropropane	ND		6.1		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
2-Butanone	ND		24		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
2-Chlorotoluene	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
2-Hexanone	ND		24		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
4-Chlorotoluene	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
4-Methyl-2-pentanone	ND		24		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Acetone	**30**		24		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Benzene	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Bromobenzene	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Bromochloromethane	ND		2.4		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Bromodichloromethane	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Bromoform	ND		6.1		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Bromomethane	ND		24		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
cis-1,2-Dichloroethene	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
cis-1,3-Dichloropropene	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Carbon disulfide	ND		12		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Carbon tetrachloride	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Chlorobenzene	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Chloroethane	ND		2.4		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Chloroform	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Chloromethane	ND		24		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Dibromochloromethane	ND		2.4		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Dibromomethane	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Dichlorodifluoromethane	ND		2.4		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Di-isopropyl ether (DIPE)	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Ethanol	ND		310		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Ethylbenzene	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Ethyl-t-butyl ether (ETBE)	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Isopropylbenzene	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Methylene Chloride	ND		12		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Methyl-t-Butyl Ether (MTBE)	ND		2.4		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Naphthalene	ND		12		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
n-Butylbenzene	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
N-Propylbenzene	ND		2.4		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
o-Xylene	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
m,p-Xylene	ND		2.4		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
p-Isopropyltoluene	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
sec-Butylbenzene	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Styrene	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
trans-1,2-Dichloroethene	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
trans-1,3-Dichloropropene	ND		2.4		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Tert-amyl-methyl ether (TAME)	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
tert-Butyl alcohol (TBA)	ND		24		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
tert-Butylbenzene	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Tetrachloroethene	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1

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

Client Sample ID: MC-SV-5_5
Date Collected: 11/24/20 08:18
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Trichloroethene	ND		2.4		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Trichlorofluoromethane	ND		12		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Vinyl acetate	ND		12		ug/Kg		11/25/20 11:58	11/25/20 17:10	1
Vinyl chloride	ND		1.2		ug/Kg		11/25/20 11:58	11/25/20 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*71 - 155*	*11/25/20 11:58*	*11/25/20 17:10*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*11/25/20 11:58*	*11/25/20 17:10*	*1*
Dibromofluoromethane (Surr)	*99*		*79 - 133*	*11/25/20 11:58*	*11/25/20 17:10*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*	*11/25/20 11:58*	*11/25/20 17:10*	*1*

Client Sample ID: MC-SV-2_2
Date Collected: 11/24/20 09:58
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
1,1,1-Trichloroethane	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
1,1,2,2-Tetrachloroethane	ND		2.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
1,1,2-Trichloroethane	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
1,1-Dichloroethane	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
1,1-Dichloroethene	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
1,1-Dichloropropene	ND		2.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
1,2,3-Trichlorobenzene	ND		2.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
1,2,3-Trichloropropane	ND		2.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
1,2,4-Trichlorobenzene	ND		2.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
1,2,4-Trimethylbenzene	ND		2.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
1,2-Dibromo-3-Chloropropane	ND		11		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
1,2-Dibromoethane	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
1,2-Dichlorobenzene	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
1,2-Dichloroethane	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
1,2-Dichloropropane	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
1,3,5-Trimethylbenzene	ND		2.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
1,3-Dichlorobenzene	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
1,3-Dichloropropane	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
1,4-Dichlorobenzene	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
2,2-Dichloropropane	ND		5.3		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
2-Butanone	ND		21		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
2-Chlorotoluene	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
2-Hexanone	ND		21		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
4-Chlorotoluene	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
4-Methyl-2-pentanone	ND		21		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Acetone	**69**		21		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Benzene	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Bromobenzene	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Bromochloromethane	ND		2.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Bromodichloromethane	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Bromoform	ND		5.3		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Bromomethane	ND		21		ug/Kg		11/25/20 11:58	11/25/20 17:37	1

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

Client Sample ID: MC-SV-2_2
Date Collected: 11/24/20 09:58
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
cis-1,3-Dichloropropene	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Carbon disulfide	ND		11		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Carbon tetrachloride	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Chlorobenzene	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Chloroethane	ND		2.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Chloroform	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Chloromethane	ND		21		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Dibromochloromethane	ND		2.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Dibromomethane	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Dichlorodifluoromethane	ND		2.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Di-isopropyl ether (DIPE)	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Ethanol	ND		270		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Ethylbenzene	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Ethyl-t-butyl ether (ETBE)	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Isopropylbenzene	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Methylene Chloride	ND		11		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Methyl-t-Butyl Ether (MTBE)	ND		2.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Naphthalene	ND		11		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
n-Butylbenzene	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
N-Propylbenzene	ND		2.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
o-Xylene	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
m,p-Xylene	ND		2.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
p-Isopropyltoluene	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
sec-Butylbenzene	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Styrene	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
trans-1,2-Dichloroethene	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
trans-1,3-Dichloropropene	ND		2.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Tert-amyl-methyl ether (TAME)	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
tert-Butyl alcohol (TBA)	ND		21		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
tert-Butylbenzene	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Tetrachloroethene	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Toluene	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Trichloroethene	ND		2.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Trichlorofluoromethane	ND		11		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Vinyl acetate	ND		11		ug/Kg		11/25/20 11:58	11/25/20 17:37	1
Vinyl chloride	ND		1.1		ug/Kg		11/25/20 11:58	11/25/20 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*71 - 155*	*11/25/20 11:58*	*11/25/20 17:37*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*11/25/20 11:58*	*11/25/20 17:37*	*1*
Dibromofluoromethane (Surr)	*100*		*79 - 133*	*11/25/20 11:58*	*11/25/20 17:37*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*11/25/20 11:58*	*11/25/20 17:37*	*1*

Client Sample ID: MC-SV-2_5
Date Collected: 11/24/20 10:08
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1

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

Client Sample ID: MC-SV-2_5
Date Collected: 11/24/20 10:08
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
1,1-Dichloroethane	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
1,1-Dichloroethene	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
1,1-Dichloropropene	ND		2.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
1,2-Dibromoethane	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
1,2-Dichloroethane	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
1,2-Dichloropropane	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
1,3-Dichloropropane	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
2,2-Dichloropropane	ND		5.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
2-Butanone	ND		20		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
2-Chlorotoluene	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
2-Hexanone	ND		20		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
4-Chlorotoluene	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
4-Methyl-2-pentanone	ND		20		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Acetone	ND		20		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Benzene	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Bromobenzene	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Bromochloromethane	ND		2.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Bromodichloromethane	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Bromoform	ND		5.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Bromomethane	ND		20		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Carbon disulfide	ND		10		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Carbon tetrachloride	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Chlorobenzene	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Chloroethane	ND		2.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Chloroform	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Chloromethane	ND		20		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Dibromochloromethane	ND		2.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Dibromomethane	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Ethanol	ND		250		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Ethylbenzene	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Isopropylbenzene	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Methylene Chloride	ND		10		ug/Kg		11/25/20 11:58	11/25/20 18:05	1

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

Client Sample ID: MC-SV-2_5
Date Collected: 11/24/20 10:08
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Naphthalene	ND		10		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
n-Butylbenzene	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
N-Propylbenzene	ND		2.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
o-Xylene	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
m,p-Xylene	ND		2.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
p-Isopropyltoluene	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
sec-Butylbenzene	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Styrene	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
tert-Butylbenzene	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Tetrachloroethene	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Toluene	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Trichloroethene	ND		2.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Trichlorofluoromethane	ND		10		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Vinyl acetate	ND		10		ug/Kg		11/25/20 11:58	11/25/20 18:05	1
Vinyl chloride	ND		1.0		ug/Kg		11/25/20 11:58	11/25/20 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*71 - 155*	*11/25/20 11:58*	*11/25/20 18:05*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*11/25/20 11:58*	*11/25/20 18:05*	*1*
Dibromofluoromethane (Surr)	*100*		*79 - 133*	*11/25/20 11:58*	*11/25/20 18:05*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*11/25/20 11:58*	*11/25/20 18:05*	*1*

Client Sample ID: MC-SV-4_5
Date Collected: 11/24/20 14:30
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
1,1,1-Trichloroethane	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
1,1,2,2-Tetrachloroethane	ND		3.5		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		17		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
1,1,2-Trichloroethane	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
1,1-Dichloroethane	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
1,1-Dichloroethene	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
1,1-Dichloropropene	ND		3.5		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
1,2,3-Trichlorobenzene	ND		3.5		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
1,2,3-Trichloropropane	ND		3.5		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
1,2,4-Trichlorobenzene	ND		3.5		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
1,2,4-Trimethylbenzene	ND		3.5		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
1,2-Dibromo-3-Chloropropane	ND		17		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
1,2-Dibromoethane	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
1,2-Dichlorobenzene	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
1,2-Dichloroethane	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
1,2-Dichloropropane	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
1,3,5-Trimethylbenzene	ND		3.5		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
1,3-Dichlorobenzene	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1

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

Client Sample ID: MC-SV-4_5
Date Collected: 11/24/20 14:30
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
1,4-Dichlorobenzene	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
2,2-Dichloropropane	ND		8.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
2-Butanone	ND		35		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
2-Chlorotoluene	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
2-Hexanone	ND		35		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
4-Chlorotoluene	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
4-Methyl-2-pentanone	ND		35		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Acetone	**150**		35		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Benzene	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Bromobenzene	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Bromochloromethane	ND		3.5		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Bromodichloromethane	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Bromoform	ND		8.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Bromomethane	ND		35		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
cis-1,2-Dichloroethene	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
cis-1,3-Dichloropropene	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Carbon disulfide	ND		17		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Carbon tetrachloride	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Chlorobenzene	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Chloroethane	ND		3.5		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Chloroform	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Chloromethane	ND		35		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Dibromochloromethane	ND		3.5		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Dibromomethane	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Dichlorodifluoromethane	ND		3.5		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Di-isopropyl ether (DIPE)	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Ethanol	ND		440		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Ethylbenzene	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Ethyl-t-butyl ether (ETBE)	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Isopropylbenzene	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Methylene Chloride	ND		17		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Methyl-t-Butyl Ether (MTBE)	ND		3.5		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Naphthalene	ND		17		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
n-Butylbenzene	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
N-Propylbenzene	ND		3.5		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
o-Xylene	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
m,p-Xylene	ND		3.5		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
p-Isopropyltoluene	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
sec-Butylbenzene	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Styrene	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
trans-1,2-Dichloroethene	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
trans-1,3-Dichloropropene	ND		3.5		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Tert-amyl-methyl ether (TAME)	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
tert-Butyl alcohol (TBA)	ND		35		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
tert-Butylbenzene	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Tetrachloroethene	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Toluene	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Trichloroethene	ND		3.5		ug/Kg		11/25/20 11:58	11/25/20 18:32	1

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

Client Sample ID: MC-SV-4_5
Date Collected: 11/24/20 14:30
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		17		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Vinyl acetate	ND		17		ug/Kg		11/25/20 11:58	11/25/20 18:32	1
Vinyl chloride	ND		1.7		ug/Kg		11/25/20 11:58	11/25/20 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*71 - 155*	*11/25/20 11:58*	*11/25/20 18:32*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*11/25/20 11:58*	*11/25/20 18:32*	*1*
Dibromofluoromethane (Surr)	*100*		*79 - 133*	*11/25/20 11:58*	*11/25/20 18:32*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*11/25/20 11:58*	*11/25/20 18:32*	*1*

Client Sample ID: TB_20201124
Date Collected: 11/24/20 00:00
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-20
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			11/29/20 02:27	1
1,1,1-Trichloroethane	ND		1.0		ug/L			11/29/20 02:27	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			11/29/20 02:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			11/29/20 02:27	1
1,1,2-Trichloroethane	ND		1.0		ug/L			11/29/20 02:27	1
1,1-Dichloroethane	ND		1.0		ug/L			11/29/20 02:27	1
1,1-Dichloroethene	ND		1.0		ug/L			11/29/20 02:27	1
1,1-Dichloropropene	ND		1.0		ug/L			11/29/20 02:27	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			11/29/20 02:27	1
1,2,3-Trichloropropane	ND		5.0		ug/L			11/29/20 02:27	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			11/29/20 02:27	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			11/29/20 02:27	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			11/29/20 02:27	1
1,2-Dibromoethane	ND		1.0		ug/L			11/29/20 02:27	1
1,2-Dichlorobenzene	ND		1.0		ug/L			11/29/20 02:27	1
1,2-Dichloroethane	ND		0.50		ug/L			11/29/20 02:27	1
1,2-Dichloropropane	ND		1.0		ug/L			11/29/20 02:27	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			11/29/20 02:27	1
1,3-Dichlorobenzene	ND		1.0		ug/L			11/29/20 02:27	1
1,3-Dichloropropane	ND		1.0		ug/L			11/29/20 02:27	1
1,4-Dichlorobenzene	ND		1.0		ug/L			11/29/20 02:27	1
2,2-Dichloropropane	ND		1.0		ug/L			11/29/20 02:27	1
2-Butanone	ND		20		ug/L			11/29/20 02:27	1
2-Chlorotoluene	ND		1.0		ug/L			11/29/20 02:27	1
2-Hexanone	ND		10		ug/L			11/29/20 02:27	1
4-Chlorotoluene	ND		1.0		ug/L			11/29/20 02:27	1
4-Methyl-2-pentanone	ND		10		ug/L			11/29/20 02:27	1
Acetone	ND		20		ug/L			11/29/20 02:27	1
Benzene	ND		0.50		ug/L			11/29/20 02:27	1
Bromobenzene	ND		1.0		ug/L			11/29/20 02:27	1
Bromochloromethane	ND		2.0		ug/L			11/29/20 02:27	1
Bromodichloromethane	ND		1.0		ug/L			11/29/20 02:27	1
Bromoform	ND		5.0		ug/L			11/29/20 02:27	1
Bromomethane	ND		25		ug/L			11/29/20 02:27	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			11/29/20 02:27	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			11/29/20 02:27	1

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

Client Sample ID: TB_20201124
Date Collected: 11/24/20 00:00
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-20
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		10		ug/L			11/29/20 02:27	1
Carbon tetrachloride	ND		0.50		ug/L			11/29/20 02:27	1
Chlorobenzene	ND		1.0		ug/L			11/29/20 02:27	1
Chloroethane	ND		5.0		ug/L			11/29/20 02:27	1
Chloroform	ND		1.0		ug/L			11/29/20 02:27	1
Chloromethane	ND		10		ug/L			11/29/20 02:27	1
Dibromochloromethane	ND		2.0		ug/L			11/29/20 02:27	1
Dibromomethane	ND		1.0		ug/L			11/29/20 02:27	1
Dichlorodifluoromethane	ND		5.0		ug/L			11/29/20 02:27	1
Di-isopropyl ether (DIPE)	ND		2.0		ug/L			11/29/20 02:27	1
Ethanol	ND		100		ug/L			11/29/20 02:27	1
Ethylbenzene	ND		1.0		ug/L			11/29/20 02:27	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			11/29/20 02:27	1
Isopropylbenzene	ND		1.0		ug/L			11/29/20 02:27	1
Methylene Chloride	ND		10		ug/L			11/29/20 02:27	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			11/29/20 02:27	1
Naphthalene	ND		10		ug/L			11/29/20 02:27	1
n-Butylbenzene	ND		1.0		ug/L			11/29/20 02:27	1
N-Propylbenzene	ND		1.0		ug/L			11/29/20 02:27	1
o-Xylene	ND		1.0		ug/L			11/29/20 02:27	1
m,p-Xylene	ND		2.0		ug/L			11/29/20 02:27	1
p-Isopropyltoluene	ND		1.0		ug/L			11/29/20 02:27	1
sec-Butylbenzene	ND		1.0		ug/L			11/29/20 02:27	1
Styrene	ND		1.0		ug/L			11/29/20 02:27	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			11/29/20 02:27	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			11/29/20 02:27	1
Tert-amyl-methyl ether (TAME)	ND		2.0		ug/L			11/29/20 02:27	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			11/29/20 02:27	1
tert-Butylbenzene	ND		1.0		ug/L			11/29/20 02:27	1
Tetrachloroethene	ND		1.0		ug/L			11/29/20 02:27	1
Toluene	ND		1.0		ug/L			11/29/20 02:27	1
Trichloroethene	ND		1.0		ug/L			11/29/20 02:27	1
Trichlorofluoromethane	ND		10		ug/L			11/29/20 02:27	1
Vinyl acetate	ND		10		ug/L			11/29/20 02:27	1
Vinyl chloride	ND		0.50		ug/L			11/29/20 02:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*80 - 129*		*11/29/20 02:27*	*1*
4-Bromofluorobenzene (Surr)	*95*		*77 - 120*		*11/29/20 02:27*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 128*		*11/29/20 02:27*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/29/20 02:27*	*1*

Client Sample ID: EB_20201124
Date Collected: 11/24/20 13:20
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-21
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			11/29/20 02:54	1
1,1,1-Trichloroethane	ND		1.0		ug/L			11/29/20 02:54	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			11/29/20 02:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			11/29/20 02:54	1

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

Client Sample ID: EB_20201124
Date Collected: 11/24/20 13:20
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-21
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0		ug/L			11/29/20 02:54	1
1,1-Dichloroethane	ND		1.0		ug/L			11/29/20 02:54	1
1,1-Dichloroethene	ND		1.0		ug/L			11/29/20 02:54	1
1,1-Dichloropropene	ND		1.0		ug/L			11/29/20 02:54	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			11/29/20 02:54	1
1,2,3-Trichloropropane	ND		5.0		ug/L			11/29/20 02:54	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			11/29/20 02:54	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			11/29/20 02:54	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			11/29/20 02:54	1
1,2-Dibromoethane	ND		1.0		ug/L			11/29/20 02:54	1
1,2-Dichlorobenzene	ND		1.0		ug/L			11/29/20 02:54	1
1,2-Dichloroethane	ND		0.50		ug/L			11/29/20 02:54	1
1,2-Dichloropropane	ND		1.0		ug/L			11/29/20 02:54	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			11/29/20 02:54	1
1,3-Dichlorobenzene	ND		1.0		ug/L			11/29/20 02:54	1
1,3-Dichloropropane	ND		1.0		ug/L			11/29/20 02:54	1
1,4-Dichlorobenzene	ND		1.0		ug/L			11/29/20 02:54	1
2,2-Dichloropropane	ND		1.0		ug/L			11/29/20 02:54	1
2-Butanone	ND		20		ug/L			11/29/20 02:54	1
2-Chlorotoluene	ND		1.0		ug/L			11/29/20 02:54	1
2-Hexanone	ND		10		ug/L			11/29/20 02:54	1
4-Chlorotoluene	ND		1.0		ug/L			11/29/20 02:54	1
4-Methyl-2-pentanone	ND		10		ug/L			11/29/20 02:54	1
Acetone	ND		20		ug/L			11/29/20 02:54	1
Benzene	ND		0.50		ug/L			11/29/20 02:54	1
Bromobenzene	ND		1.0		ug/L			11/29/20 02:54	1
Bromochloromethane	ND		2.0		ug/L			11/29/20 02:54	1
Bromodichloromethane	ND		1.0		ug/L			11/29/20 02:54	1
Bromoform	ND		5.0		ug/L			11/29/20 02:54	1
Bromomethane	ND		25		ug/L			11/29/20 02:54	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			11/29/20 02:54	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			11/29/20 02:54	1
Carbon disulfide	ND		10		ug/L			11/29/20 02:54	1
Carbon tetrachloride	ND		0.50		ug/L			11/29/20 02:54	1
Chlorobenzene	ND		1.0		ug/L			11/29/20 02:54	1
Chloroethane	ND		5.0		ug/L			11/29/20 02:54	1
Chloroform	ND		1.0		ug/L			11/29/20 02:54	1
Chloromethane	ND		10		ug/L			11/29/20 02:54	1
Dibromochloromethane	ND		2.0		ug/L			11/29/20 02:54	1
Dibromomethane	ND		1.0		ug/L			11/29/20 02:54	1
Dichlorodifluoromethane	ND		5.0		ug/L			11/29/20 02:54	1
Di-isopropyl ether (DIPE)	ND		2.0		ug/L			11/29/20 02:54	1
Ethanol	ND		100		ug/L			11/29/20 02:54	1
Ethylbenzene	ND		1.0		ug/L			11/29/20 02:54	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			11/29/20 02:54	1
Isopropylbenzene	ND		1.0		ug/L			11/29/20 02:54	1
Methylene Chloride	ND		10		ug/L			11/29/20 02:54	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			11/29/20 02:54	1
Naphthalene	ND		10		ug/L			11/29/20 02:54	1

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

Client Sample ID: EB_20201124
Lab Sample ID: 570-44671-21
Date Collected: 11/24/20 13:20
Matrix: Water
Date Received: 11/24/20 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		1.0		ug/L			11/29/20 02:54	1
N-Propylbenzene	ND		1.0		ug/L			11/29/20 02:54	1
o-Xylene	ND		1.0		ug/L			11/29/20 02:54	1
m,p-Xylene	ND		2.0		ug/L			11/29/20 02:54	1
p-Isopropyltoluene	ND		1.0		ug/L			11/29/20 02:54	1
sec-Butylbenzene	ND		1.0		ug/L			11/29/20 02:54	1
Styrene	ND		1.0		ug/L			11/29/20 02:54	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			11/29/20 02:54	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			11/29/20 02:54	1
Tert-amyl-methyl ether (TAME)	ND		2.0		ug/L			11/29/20 02:54	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			11/29/20 02:54	1
tert-Butylbenzene	ND		1.0		ug/L			11/29/20 02:54	1
Tetrachloroethene	ND		1.0		ug/L			11/29/20 02:54	1
Toluene	ND		1.0		ug/L			11/29/20 02:54	1
Trichloroethene	ND		1.0		ug/L			11/29/20 02:54	1
Trichlorofluoromethane	ND		10		ug/L			11/29/20 02:54	1
Vinyl acetate	ND		10		ug/L			11/29/20 02:54	1
Vinyl chloride	ND		0.50		ug/L			11/29/20 02:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 129*		*11/29/20 02:54*	*1*
4-Bromofluorobenzene (Surr)	*97*		*77 - 120*		*11/29/20 02:54*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 128*		*11/29/20 02:54*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/29/20 02:54*	*1*

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

Client Sample ID: MC-SV-5_2
Date Collected: 11/24/20 08:13
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 06:58	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 06:58	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 06:58	1
C9-C10	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 06:58	1
C11-C12	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 06:58	1
C13-C14	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 06:58	1
C15-C16	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 06:58	1
C17-C18	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 06:58	1
C19-C20	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 06:58	1
C21-C22	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 06:58	1
C23-C24	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 06:58	1
C25-C28	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 06:58	1
C29-C32	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 06:58	1
C33-C36	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 06:58	1
C37-C40	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 06:58	1
C41-C44	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 06:58	1
C6-C44	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 06:58	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 06:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*92*		*61 - 145*	*12/01/20 10:44*	*12/02/20 06:58*	*1*

Client Sample ID: MC-SV-5_5
Date Collected: 11/24/20 08:18
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:21	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:21	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:21	1
C9-C10	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:21	1
C11-C12	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:21	1
C13-C14	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:21	1
C15-C16	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:21	1
C17-C18	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:21	1
C19-C20	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:21	1
C21-C22	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:21	1
C23-C24	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:21	1
C25-C28	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:21	1
C29-C32	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:21	1
C33-C36	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:21	1
C37-C40	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:21	1
C41-C44	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:21	1
C6-C44	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:21	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*90*		*61 - 145*	*12/01/20 10:44*	*12/02/20 07:21*	*1*

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

Client Sample ID: MC-SV-2_2
Date Collected: 11/24/20 09:58
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:42	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:42	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:42	1
C9-C10	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:42	1
C11-C12	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:42	1
C13-C14	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:42	1
C15-C16	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:42	1
C17-C18	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:42	1
C19-C20	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:42	1
C21-C22	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:42	1
C23-C24	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:42	1
C25-C28	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:42	1
C29-C32	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:42	1
C33-C36	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:42	1
C37-C40	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:42	1
C41-C44	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:42	1
C6-C44	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:42	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 07:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*92*		*61 - 145*	*12/01/20 10:44*	*12/02/20 07:42*	*1*

Client Sample ID: MC-SV-2_5
Date Collected: 11/24/20 10:08
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 08:05	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 08:05	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 08:05	1
C9-C10	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 08:05	1
C11-C12	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 08:05	1
C13-C14	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 08:05	1
C15-C16	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 08:05	1
C17-C18	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 08:05	1
C19-C20	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 08:05	1
C21-C22	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 08:05	1
C23-C24	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 08:05	1
C25-C28	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 08:05	1
C29-C32	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 08:05	1
C33-C36	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 08:05	1
C37-C40	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 08:05	1
C41-C44	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 08:05	1
C6-C44	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 08:05	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		12/01/20 10:44	12/02/20 08:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*88*		*61 - 145*	*12/01/20 10:44*	*12/02/20 08:05*	*1*

Client: Avocet Environmental Inc
Job ID: 570-44671-1
Project/Site: Fairview Development Center / 1431.005

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

Client Sample ID: MC-SV-4_5
Date Collected: 11/24/20 14:30
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		12/01/20 10:44	12/02/20 08:26	1
C7 as C7	ND		4.9		mg/Kg		12/01/20 10:44	12/02/20 08:26	1
C8 as C8	ND		4.9		mg/Kg		12/01/20 10:44	12/02/20 08:26	1
C9-C10	ND		4.9		mg/Kg		12/01/20 10:44	12/02/20 08:26	1
C11-C12	ND		4.9		mg/Kg		12/01/20 10:44	12/02/20 08:26	1
C13-C14	ND		4.9		mg/Kg		12/01/20 10:44	12/02/20 08:26	1
C15-C16	ND		4.9		mg/Kg		12/01/20 10:44	12/02/20 08:26	1
C17-C18	ND		4.9		mg/Kg		12/01/20 10:44	12/02/20 08:26	1
C19-C20	ND		4.9		mg/Kg		12/01/20 10:44	12/02/20 08:26	1
C21-C22	ND		4.9		mg/Kg		12/01/20 10:44	12/02/20 08:26	1
C23-C24	ND		4.9		mg/Kg		12/01/20 10:44	12/02/20 08:26	1
C25-C28	ND		4.9		mg/Kg		12/01/20 10:44	12/02/20 08:26	1
C29-C32	ND		4.9		mg/Kg		12/01/20 10:44	12/02/20 08:26	1
C33-C36	ND		4.9		mg/Kg		12/01/20 10:44	12/02/20 08:26	1
C37-C40	ND		4.9		mg/Kg		12/01/20 10:44	12/02/20 08:26	1
C41-C44	ND		4.9		mg/Kg		12/01/20 10:44	12/02/20 08:26	1
C6-C44	ND		4.9		mg/Kg		12/01/20 10:44	12/02/20 08:26	1
Diesel Range Organics [C10-C28]	ND		4.9		mg/Kg		12/01/20 10:44	12/02/20 08:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*90*		*61 - 145*	*12/01/20 10:44*	*12/02/20 08:26*	*1*

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

Client Sample ID: TVB-3_0.5
Date Collected: 11/24/20 09:32
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-17
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/25/20 17:31	11/30/20 18:46	1
Aroclor-1221	ND		50		ug/Kg		11/25/20 17:31	11/30/20 18:46	1
Aroclor-1232	ND		50		ug/Kg		11/25/20 17:31	11/30/20 18:46	1
Aroclor-1242	ND		50		ug/Kg		11/25/20 17:31	11/30/20 18:46	1
Aroclor-1248	ND		50		ug/Kg		11/25/20 17:31	11/30/20 18:46	1
Aroclor-1254	ND		50		ug/Kg		11/25/20 17:31	11/30/20 18:46	1
Aroclor-1260	ND		50		ug/Kg		11/25/20 17:31	11/30/20 18:46	1
Aroclor-1262	ND		50		ug/Kg		11/25/20 17:31	11/30/20 18:46	1
Aroclor-1268	ND		50		ug/Kg		11/25/20 17:31	11/30/20 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*20 - 155*	*11/25/20 17:31*	*11/30/20 18:46*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*25 - 126*	*11/25/20 17:31*	*11/30/20 18:46*	*1*

Client Sample ID: TVB-2_0.5
Date Collected: 11/24/20 11:10
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-18
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/25/20 17:31	11/30/20 19:04	1
Aroclor-1221	ND		50		ug/Kg		11/25/20 17:31	11/30/20 19:04	1
Aroclor-1232	ND		50		ug/Kg		11/25/20 17:31	11/30/20 19:04	1
Aroclor-1242	ND		50		ug/Kg		11/25/20 17:31	11/30/20 19:04	1
Aroclor-1248	ND		50		ug/Kg		11/25/20 17:31	11/30/20 19:04	1
Aroclor-1254	ND		50		ug/Kg		11/25/20 17:31	11/30/20 19:04	1
Aroclor-1260	**20000**		5000		ug/Kg		11/25/20 17:31	12/01/20 11:46	100
Aroclor-1262	ND		50		ug/Kg		11/25/20 17:31	11/30/20 19:04	1
Aroclor-1268	ND		50		ug/Kg		11/25/20 17:31	11/30/20 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*102*		*20 - 155*	*11/25/20 17:31*	*11/30/20 19:04*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*20 - 155*	*11/25/20 17:31*	*12/01/20 11:46*	*100*
Tetrachloro-m-xylene (Surr)	*83*		*25 - 126*	*11/25/20 17:31*	*11/30/20 19:04*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*25 - 126*	*11/25/20 17:31*	*12/01/20 11:46*	*100*

Client Sample ID: TVB-1_0.5
Date Collected: 11/24/20 13:14
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-19
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/25/20 17:31	11/30/20 19:22	1
Aroclor-1221	ND		50		ug/Kg		11/25/20 17:31	11/30/20 19:22	1
Aroclor-1232	ND		50		ug/Kg		11/25/20 17:31	11/30/20 19:22	1
Aroclor-1242	ND		50		ug/Kg		11/25/20 17:31	11/30/20 19:22	1
Aroclor-1248	ND		50		ug/Kg		11/25/20 17:31	11/30/20 19:22	1
Aroclor-1254	ND		50		ug/Kg		11/25/20 17:31	11/30/20 19:22	1
Aroclor-1260	**53**		50		ug/Kg		11/25/20 17:31	11/30/20 19:22	1
Aroclor-1262	ND		50		ug/Kg		11/25/20 17:31	11/30/20 19:22	1
Aroclor-1268	ND		50		ug/Kg		11/25/20 17:31	11/30/20 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*20 - 155*	*11/25/20 17:31*	*11/30/20 19:22*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*25 - 126*	*11/25/20 17:31*	*11/30/20 19:22*	*1*

Surrogate Summary

Client: Avocet Environmental Inc
Job ID: 570-44671-1
Project/Site: Fairview Development Center / 1431.005

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(71-155)	(80-120)	(79-133)	(80-120)
570-44671-1	MC-SV-5_2	109	99	100	101
570-44671-2	MC-SV-5_5	112	100	99	102
570-44671-5	MC-SV-2_2	111	100	100	100
570-44671-6	MC-SV-2_5	113	99	100	101
570-44671-10	MC-SV-4_5	112	100	100	101
LCS 570-112372/4	Lab Control Sample	98	101	98	100
LCSD 570-112372/5	Lab Control Sample Dup	99	100	101	100
MB 570-112372/7	Method Blank	100	96	99	98

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-129)	(77-120)	(80-128)	(80-120)
570-44671-20	TB_20201124	91	95	96	101
570-44671-21	EB_20201124	94	97	96	100
LCS 570-112682/3	Lab Control Sample	96	99	98	103
LCSD 570-112682/4	Lab Control Sample Dup	94	98	98	104
MB 570-112682/7	Method Blank	96	94	100	101

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(61-145)
570-44564-D-3-G MS	Matrix Spike	78
570-44564-D-3-H MSD	Matrix Spike Duplicate	77
570-44671-1	MC-SV-5_2	92
570-44671-2	MC-SV-5_5	90
570-44671-5	MC-SV-2_2	92
570-44671-6	MC-SV-2_5	88
570-44671-10	MC-SV-4_5	90
LCS 570-113085/2-A	Lab Control Sample	83
LCSD 570-113085/3-A	Lab Control Sample Dup	80
MB 570-113085/1-A	Method Blank	85

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Surrogate Summary

Client: Avocet Environmental Inc
Job ID: 570-44671-1
Project/Site: Fairview Development Center / 1431.005

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

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	DCB1 (20-155)	TCX1 (25-126)										
570-44671-17	TVB-3_0.5	86	93										
570-44671-18	TVB-2_0.5	102	83										
570-44671-18	TVB-2_0.5	78	94										
570-44671-19	TVB-1_0.5	77	80										
570-44739-A-1-C MS	Matrix Spike	60	64										
570-44739-A-1-D MSD	Matrix Spike Duplicate	79	78										
LCS 570-112414/4-A	Lab Control Sample	66	75										
LCSD 570-112414/5-A	Lab Control Sample Dup	70	76										
MB 570-112414/1-A	Method Blank	92	96										

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

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

Lab Sample ID: MB 570-112372/7
Matrix: Solid
Analysis Batch: 112372

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg			11/25/20 11:41	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg			11/25/20 11:41	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			11/25/20 11:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg			11/25/20 11:41	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg			11/25/20 11:41	1
1,1-Dichloroethane	ND		1.0		ug/Kg			11/25/20 11:41	1
1,1-Dichloroethene	ND		1.0		ug/Kg			11/25/20 11:41	1
1,1-Dichloropropene	ND		2.0		ug/Kg			11/25/20 11:41	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg			11/25/20 11:41	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg			11/25/20 11:41	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg			11/25/20 11:41	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			11/25/20 11:41	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			11/25/20 11:41	1
1,2-Dibromoethane	ND		1.0		ug/Kg			11/25/20 11:41	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg			11/25/20 11:41	1
1,2-Dichloroethane	ND		1.0		ug/Kg			11/25/20 11:41	1
1,2-Dichloropropane	ND		1.0		ug/Kg			11/25/20 11:41	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			11/25/20 11:41	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg			11/25/20 11:41	1
1,3-Dichloropropane	ND		1.0		ug/Kg			11/25/20 11:41	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg			11/25/20 11:41	1
2,2-Dichloropropane	ND		5.0		ug/Kg			11/25/20 11:41	1
2-Butanone	ND		20		ug/Kg			11/25/20 11:41	1
2-Chlorotoluene	ND		1.0		ug/Kg			11/25/20 11:41	1
2-Hexanone	ND		20		ug/Kg			11/25/20 11:41	1
4-Chlorotoluene	ND		1.0		ug/Kg			11/25/20 11:41	1
4-Methyl-2-pentanone	ND		20		ug/Kg			11/25/20 11:41	1
Acetone	ND		20		ug/Kg			11/25/20 11:41	1
Benzene	ND		1.0		ug/Kg			11/25/20 11:41	1
Bromobenzene	ND		1.0		ug/Kg			11/25/20 11:41	1
Bromochloromethane	ND		2.0		ug/Kg			11/25/20 11:41	1
Bromodichloromethane	ND		1.0		ug/Kg			11/25/20 11:41	1
Bromoform	ND		5.0		ug/Kg			11/25/20 11:41	1
Bromomethane	ND		20		ug/Kg			11/25/20 11:41	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg			11/25/20 11:41	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg			11/25/20 11:41	1
Carbon disulfide	ND		10		ug/Kg			11/25/20 11:41	1
Carbon tetrachloride	ND		1.0		ug/Kg			11/25/20 11:41	1
Chlorobenzene	ND		1.0		ug/Kg			11/25/20 11:41	1
Chloroethane	ND		2.0		ug/Kg			11/25/20 11:41	1
Chloroform	ND		1.0		ug/Kg			11/25/20 11:41	1
Chloromethane	ND		20		ug/Kg			11/25/20 11:41	1
Dibromochloromethane	ND		2.0		ug/Kg			11/25/20 11:41	1
Dibromomethane	ND		1.0		ug/Kg			11/25/20 11:41	1
Dichlorodifluoromethane	ND		2.0		ug/Kg			11/25/20 11:41	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg			11/25/20 11:41	1
Ethanol	ND		250		ug/Kg			11/25/20 11:41	1
Ethylbenzene	ND		1.0		ug/Kg			11/25/20 11:41	1

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

Lab Sample ID: MB 570-112372/7
Matrix: Solid
Analysis Batch: 112372

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg			11/25/20 11:41	1
Isopropylbenzene	ND		1.0		ug/Kg			11/25/20 11:41	1
Methylene Chloride	ND		10		ug/Kg			11/25/20 11:41	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg			11/25/20 11:41	1
Naphthalene	ND		10		ug/Kg			11/25/20 11:41	1
n-Butylbenzene	ND		1.0		ug/Kg			11/25/20 11:41	1
N-Propylbenzene	ND		2.0		ug/Kg			11/25/20 11:41	1
o-Xylene	ND		1.0		ug/Kg			11/25/20 11:41	1
m,p-Xylene	ND		2.0		ug/Kg			11/25/20 11:41	1
p-Isopropyltoluene	ND		1.0		ug/Kg			11/25/20 11:41	1
sec-Butylbenzene	ND		1.0		ug/Kg			11/25/20 11:41	1
Styrene	ND		1.0		ug/Kg			11/25/20 11:41	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg			11/25/20 11:41	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			11/25/20 11:41	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg			11/25/20 11:41	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg			11/25/20 11:41	1
tert-Butylbenzene	ND		1.0		ug/Kg			11/25/20 11:41	1
Tetrachloroethene	ND		1.0		ug/Kg			11/25/20 11:41	1
Toluene	ND		1.0		ug/Kg			11/25/20 11:41	1
Trichloroethene	ND		2.0		ug/Kg			11/25/20 11:41	1
Trichlorofluoromethane	ND		10		ug/Kg			11/25/20 11:41	1
Vinyl acetate	ND		10		ug/Kg			11/25/20 11:41	1
Vinyl chloride	ND		1.0		ug/Kg			11/25/20 11:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*71 - 155*		*11/25/20 11:41*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*11/25/20 11:41*	*1*
Dibromofluoromethane (Surr)	*99*		*79 - 133*		*11/25/20 11:41*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/25/20 11:41*	*1*

Lab Sample ID: LCS 570-112372/4
Matrix: Solid
Analysis Batch: 112372

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	45.33		ug/Kg		91	71 - 125
1,2-Dibromoethane	50.0	48.53		ug/Kg		97	80 - 120
1,2-Dichlorobenzene	50.0	49.16		ug/Kg		98	80 - 120
1,2-Dichloroethane	50.0	49.98		ug/Kg		100	79 - 121
Benzene	50.0	45.20		ug/Kg		90	79 - 120
Carbon tetrachloride	50.0	47.13		ug/Kg		94	58 - 142
Chlorobenzene	50.0	48.34		ug/Kg		97	80 - 120
Di-isopropyl ether (DIPE)	50.0	45.06		ug/Kg		90	65 - 131
Ethanol	500	486.6		ug/Kg		97	32 - 158
Ethylbenzene	50.0	47.06		ug/Kg		94	57 - 153
Ethyl-t-butyl ether (ETBE)	50.0	45.23		ug/Kg		90	58 - 136
Methyl-t-Butyl Ether (MTBE)	50.0	45.27		ug/Kg		91	64 - 124
o-Xylene	50.0	47.78		ug/Kg		96	79 - 127

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

Lab Sample ID: LCS 570-112372/4
Matrix: Solid
Analysis Batch: 112372

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
m,p-Xylene			100	93.27		ug/Kg		93	80 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*71 - 155*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*79 - 133*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 570-112372/5
Matrix: Solid
Analysis Batch: 112372

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			50.0	46.28		ug/Kg		93	71 - 125	2	20
1,2-Dibromoethane			50.0	49.87		ug/Kg		100	80 - 120	3	20
1,2-Dichlorobenzene			50.0	49.58		ug/Kg		99	80 - 120	1	20
1,2-Dichloroethane			50.0	51.24		ug/Kg		102	79 - 121	3	20
Benzene			50.0	45.75		ug/Kg		92	79 - 120	1	20
Carbon tetrachloride			50.0	47.89		ug/Kg		96	58 - 142	2	20
Chlorobenzene			50.0	47.98		ug/Kg		96	80 - 120	1	20
Di-isopropyl ether (DIPE)			50.0	46.70		ug/Kg		93	65 - 131	4	20
Ethanol			500	482.9		ug/Kg		97	32 - 158	1	27
Ethylbenzene			50.0	46.99		ug/Kg		94	57 - 153	0	20
Ethyl-t-butyl ether (ETBE)			50.0	46.79		ug/Kg		94	58 - 136	3	20
Methyl-t-Butyl Ether (MTBE)			50.0	46.72		ug/Kg		93	64 - 124	3	20
o-Xylene			50.0	47.52		ug/Kg		95	79 - 127	1	20
m,p-Xylene			100	93.09		ug/Kg		93	80 - 122	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*71 - 155*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*79 - 133*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 570-112682/7
Matrix: Water
Analysis Batch: 112682

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			11/29/20 02:00	1
1,1,1-Trichloroethane	ND		1.0		ug/L			11/29/20 02:00	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			11/29/20 02:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			11/29/20 02:00	1
1,1,2-Trichloroethane	ND		1.0		ug/L			11/29/20 02:00	1
1,1-Dichloroethane	ND		1.0		ug/L			11/29/20 02:00	1
1,1-Dichloroethene	ND		1.0		ug/L			11/29/20 02:00	1
1,1-Dichloropropene	ND		1.0		ug/L			11/29/20 02:00	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			11/29/20 02:00	1

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

Lab Sample ID: MB 570-112682/7
Matrix: Water
Analysis Batch: 112682

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		5.0		ug/L			11/29/20 02:00	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			11/29/20 02:00	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			11/29/20 02:00	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			11/29/20 02:00	1
1,2-Dibromoethane	ND		1.0		ug/L			11/29/20 02:00	1
1,2-Dichlorobenzene	ND		1.0		ug/L			11/29/20 02:00	1
1,2-Dichloroethane	ND		0.50		ug/L			11/29/20 02:00	1
1,2-Dichloropropane	ND		1.0		ug/L			11/29/20 02:00	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			11/29/20 02:00	1
1,3-Dichlorobenzene	ND		1.0		ug/L			11/29/20 02:00	1
1,3-Dichloropropane	ND		1.0		ug/L			11/29/20 02:00	1
1,4-Dichlorobenzene	ND		1.0		ug/L			11/29/20 02:00	1
2,2-Dichloropropane	ND		1.0		ug/L			11/29/20 02:00	1
2-Butanone	ND		20		ug/L			11/29/20 02:00	1
2-Chlorotoluene	ND		1.0		ug/L			11/29/20 02:00	1
2-Hexanone	ND		10		ug/L			11/29/20 02:00	1
4-Chlorotoluene	ND		1.0		ug/L			11/29/20 02:00	1
4-Methyl-2-pentanone	ND		10		ug/L			11/29/20 02:00	1
Acetone	ND		20		ug/L			11/29/20 02:00	1
Benzene	ND		0.50		ug/L			11/29/20 02:00	1
Bromobenzene	ND		1.0		ug/L			11/29/20 02:00	1
Bromochloromethane	ND		2.0		ug/L			11/29/20 02:00	1
Bromodichloromethane	ND		1.0		ug/L			11/29/20 02:00	1
Bromoform	ND		5.0		ug/L			11/29/20 02:00	1
Bromomethane	ND		25		ug/L			11/29/20 02:00	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			11/29/20 02:00	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			11/29/20 02:00	1
Carbon disulfide	ND		10		ug/L			11/29/20 02:00	1
Carbon tetrachloride	ND		0.50		ug/L			11/29/20 02:00	1
Chlorobenzene	ND		1.0		ug/L			11/29/20 02:00	1
Chloroethane	ND		5.0		ug/L			11/29/20 02:00	1
Chloroform	ND		1.0		ug/L			11/29/20 02:00	1
Chloromethane	ND		10		ug/L			11/29/20 02:00	1
Dibromochloromethane	ND		2.0		ug/L			11/29/20 02:00	1
Dibromomethane	ND		1.0		ug/L			11/29/20 02:00	1
Dichlorodifluoromethane	ND		5.0		ug/L			11/29/20 02:00	1
Di-isopropyl ether (DIPE)	ND		2.0		ug/L			11/29/20 02:00	1
Ethanol	ND		100		ug/L			11/29/20 02:00	1
Ethylbenzene	ND		1.0		ug/L			11/29/20 02:00	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			11/29/20 02:00	1
Isopropylbenzene	ND		1.0		ug/L			11/29/20 02:00	1
Methylene Chloride	ND		10		ug/L			11/29/20 02:00	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			11/29/20 02:00	1
Naphthalene	ND		10		ug/L			11/29/20 02:00	1
n-Butylbenzene	ND		1.0		ug/L			11/29/20 02:00	1
N-Propylbenzene	ND		1.0		ug/L			11/29/20 02:00	1
o-Xylene	ND		1.0		ug/L			11/29/20 02:00	1
m,p-Xylene	ND		2.0		ug/L			11/29/20 02:00	1
p-Isopropyltoluene	ND		1.0		ug/L			11/29/20 02:00	1

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

Lab Sample ID: MB 570-112682/7
Matrix: Water
Analysis Batch: 112682

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0		ug/L			11/29/20 02:00	1
Styrene	ND		1.0		ug/L			11/29/20 02:00	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			11/29/20 02:00	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			11/29/20 02:00	1
Tert-amyl-methyl ether (TAME)	ND		2.0		ug/L			11/29/20 02:00	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			11/29/20 02:00	1
tert-Butylbenzene	ND		1.0		ug/L			11/29/20 02:00	1
Tetrachloroethene	ND		1.0		ug/L			11/29/20 02:00	1
Toluene	ND		1.0		ug/L			11/29/20 02:00	1
Trichloroethene	ND		1.0		ug/L			11/29/20 02:00	1
Trichlorofluoromethane	ND		10		ug/L			11/29/20 02:00	1
Vinyl acetate	ND		10		ug/L			11/29/20 02:00	1
Vinyl chloride	ND		0.50		ug/L			11/29/20 02:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 129*		*11/29/20 02:00*	*1*
4-Bromofluorobenzene (Surr)	*94*		*77 - 120*		*11/29/20 02:00*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 128*		*11/29/20 02:00*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/29/20 02:00*	*1*

Lab Sample ID: LCS 570-112682/3
Matrix: Water
Analysis Batch: 112682

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	51.34		ug/L		103	64 - 136
1,2-Dibromoethane	50.0	49.37		ug/L		99	80 - 120
1,2-Dichlorobenzene	50.0	51.27		ug/L		103	80 - 120
1,2-Dichloroethane	50.0	48.81		ug/L		98	75 - 123
Benzene	50.0	50.11		ug/L		100	78 - 120
Carbon tetrachloride	50.0	52.96		ug/L		106	67 - 139
Chlorobenzene	50.0	51.25		ug/L		103	80 - 120
Di-isopropyl ether (DIPE)	50.0	51.63		ug/L		103	72 - 132
Ethanol	500	538.3		ug/L		108	56 - 150
Ethylbenzene	50.0	50.93		ug/L		102	80 - 120
Ethyl-t-butyl ether (ETBE)	50.0	45.11		ug/L		90	74 - 122
Methyl-t-Butyl Ether (MTBE)	50.0	43.61		ug/L		87	77 - 120
o-Xylene	50.0	51.83		ug/L		104	80 - 125
m,p-Xylene	100	105.4		ug/L		105	80 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 129*
4-Bromofluorobenzene (Surr)	*99*		*77 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 128*
Toluene-d8 (Surr)	*103*		*80 - 120*

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

Lab Sample ID: LCSD 570-112682/4
Matrix: Water
Analysis Batch: 112682

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			50.0	49.63		ug/L		99	64 - 136	3	30
1,2-Dibromoethane			50.0	49.80		ug/L		100	80 - 120	1	30
1,2-Dichlorobenzene			50.0	50.88		ug/L		102	80 - 120	1	20
1,2-Dichloroethane			50.0	51.11		ug/L		102	75 - 123	5	24
Benzene			50.0	51.30		ug/L		103	78 - 120	2	21
Carbon tetrachloride			50.0	51.48		ug/L		103	67 - 139	3	30
Chlorobenzene			50.0	50.56		ug/L		101	80 - 120	1	20
Di-isopropyl ether (DIPE)			50.0	52.53		ug/L		105	72 - 132	2	29
Ethanol			500	523.6		ug/L		105	56 - 150	3	30
Ethylbenzene			50.0	50.70		ug/L		101	80 - 120	0	20
Ethyl-t-butyl ether (ETBE)			50.0	46.66		ug/L		93	74 - 122	3	27
Methyl-t-Butyl Ether (MTBE)			50.0	45.44		ug/L		91	77 - 120	4	24
o-Xylene			50.0	51.25		ug/L		102	80 - 125	1	20
m,p-Xylene			100	103.6		ug/L		104	80 - 125	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 129*
4-Bromofluorobenzene (Surr)	*98*		*77 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 128*
Toluene-d8 (Surr)	*104*		*80 - 120*

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

Lab Sample ID: MB 570-113085/1-A
Matrix: Solid
Analysis Batch: 113106

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113085

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C9-C10	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C11-C12	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C13-C14	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C15-C16	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C17-C18	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C19-C20	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C21-C22	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C23-C24	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C25-C28	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C29-C32	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C33-C36	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C37-C40	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C41-C44	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
C6-C44	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		12/01/20 10:15	12/02/20 00:38	1

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

Lab Sample ID: MB 570-113085/1-A
Matrix: Solid
Analysis Batch: 113106

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113085

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	85		61 - 145	12/01/20 10:15	12/02/20 00:38	1

Lab Sample ID: LCS 570-113085/2-A
Matrix: Solid
Analysis Batch: 113106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113085

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			400	425.7		mg/Kg		106	67 - 121		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	83		61 - 145

Lab Sample ID: LCSD 570-113085/3-A
Matrix: Solid
Analysis Batch: 113106

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113085

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			400	423.8		mg/Kg		106	67 - 121	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane (Surr)	80		61 - 145

Lab Sample ID: 570-44564-D-3-G MS
Matrix: Solid
Analysis Batch: 113106

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 113085

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	ND		398	401.4		mg/Kg		101	33 - 153		

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane (Surr)	78		61 - 145

Lab Sample ID: 570-44564-D-3-H MSD
Matrix: Solid
Analysis Batch: 113106

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 113085

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		404	408.6		mg/Kg		101	33 - 153	2	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
n-Octacosane (Surr)	77		61 - 145

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

Lab Sample ID: MB 570-112414/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 112714
Prep Batch: 112414

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/25/20 13:20	11/30/20 14:52	1
Aroclor-1221	ND		50		ug/Kg		11/25/20 13:20	11/30/20 14:52	1
Aroclor-1232	ND		50		ug/Kg		11/25/20 13:20	11/30/20 14:52	1
Aroclor-1242	ND		50		ug/Kg		11/25/20 13:20	11/30/20 14:52	1
Aroclor-1248	ND		50		ug/Kg		11/25/20 13:20	11/30/20 14:52	1
Aroclor-1254	ND		50		ug/Kg		11/25/20 13:20	11/30/20 14:52	1
Aroclor-1260	ND		50		ug/Kg		11/25/20 13:20	11/30/20 14:52	1
Aroclor-1262	ND		50		ug/Kg		11/25/20 13:20	11/30/20 14:52	1
Aroclor-1268	ND		50		ug/Kg		11/25/20 13:20	11/30/20 14:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*20 - 155*	*11/25/20 13:20*	*11/30/20 14:52*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*25 - 126*	*11/25/20 13:20*	*11/30/20 14:52*	*1*

Lab Sample ID: LCS 570-112414/4-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 112714
Prep Batch: 112414

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			100	89.29		ug/Kg		89	50 - 142		
Aroclor-1260			100	77.61		ug/Kg		78	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*66*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*75*		*25 - 126*

Lab Sample ID: LCSD 570-112414/5-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 112714
Prep Batch: 112414

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016			100	92.99		ug/Kg		93	50 - 142	4	30
Aroclor-1260			100	82.78		ug/Kg		83	50 - 150	15	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*70*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*76*		*25 - 126*

Lab Sample ID: 570-44739-A-1-C MS
Client Sample ID: Matrix Spike
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 112714
Prep Batch: 112414

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016	ND		99.1	86.94		ug/Kg		88	20 - 175		
Aroclor-1260	ND		99.1	96.27		ug/Kg		97	20 - 180		

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

Lab Sample ID: 570-44739-A-1-C MS
Matrix: Solid
Analysis Batch: 112714

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 112414

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	60		20 - 155
Tetrachloro-m-xylene (Surr)	64		25 - 126

Lab Sample ID: 570-44739-A-1-D MSD
Matrix: Solid
Analysis Batch: 112714

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 112414

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		99.3	106.8		ug/Kg		108	20 - 175	20	40
Aroclor-1260	ND		99.3	121.6		ug/Kg		122	20 - 180	23	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	79		20 - 155
Tetrachloro-m-xylene (Surr)	78		25 - 126

GC/MS VOA

Analysis Batch: 112372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44671-1	MC-SV-5_2	Total/NA	Solid	8260B	112391
570-44671-2	MC-SV-5_5	Total/NA	Solid	8260B	112391
570-44671-5	MC-SV-2_2	Total/NA	Solid	8260B	112391
570-44671-6	MC-SV-2_5	Total/NA	Solid	8260B	112391
570-44671-10	MC-SV-4_5	Total/NA	Solid	8260B	112391
MB 570-112372/7	Method Blank	Total/NA	Solid	8260B	
LCS 570-112372/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-112372/5	Lab Control Sample Dup	Total/NA	Solid	8260B	

Prep Batch: 112391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44671-1	MC-SV-5_2	Total/NA	Solid	5035	
570-44671-2	MC-SV-5_5	Total/NA	Solid	5035	
570-44671-5	MC-SV-2_2	Total/NA	Solid	5035	
570-44671-6	MC-SV-2_5	Total/NA	Solid	5035	
570-44671-10	MC-SV-4_5	Total/NA	Solid	5035	

Analysis Batch: 112682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44671-20	TB_20201124	Total/NA	Water	8260B	
570-44671-21	EB_20201124	Total/NA	Water	8260B	
MB 570-112682/7	Method Blank	Total/NA	Water	8260B	
LCS 570-112682/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-112682/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 112414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44671-17	TVB-3_0.5	Total/NA	Solid	3546	
570-44671-18	TVB-2_0.5	Total/NA	Solid	3546	
570-44671-19	TVB-1_0.5	Total/NA	Solid	3546	
MB 570-112414/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-112414/4-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-112414/5-A	Lab Control Sample Dup	Total/NA	Solid	3546	
570-44739-A-1-C MS	Matrix Spike	Total/NA	Solid	3546	
570-44739-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 112714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44671-17	TVB-3_0.5	Total/NA	Solid	8082	112414
570-44671-18	TVB-2_0.5	Total/NA	Solid	8082	112414
570-44671-19	TVB-1_0.5	Total/NA	Solid	8082	112414
MB 570-112414/1-A	Method Blank	Total/NA	Solid	8082	112414
LCS 570-112414/4-A	Lab Control Sample	Total/NA	Solid	8082	112414
LCSD 570-112414/5-A	Lab Control Sample Dup	Total/NA	Solid	8082	112414
570-44739-A-1-C MS	Matrix Spike	Total/NA	Solid	8082	112414
570-44739-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	112414

Client: Avocet Environmental Inc
Job ID: 570-44671-1
Project/Site: Fairview Development Center / 1431.005

GC Semi VOA

Analysis Batch: 113075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44671-18	TVB-2_0.5	Total/NA	Solid	8082	112414

Prep Batch: 113085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44671-1	MC-SV-5_2	Total/NA	Solid	3550C	
570-44671-2	MC-SV-5_5	Total/NA	Solid	3550C	
570-44671-5	MC-SV-2_2	Total/NA	Solid	3550C	
570-44671-6	MC-SV-2_5	Total/NA	Solid	3550C	
570-44671-10	MC-SV-4_5	Total/NA	Solid	3550C	
MB 570-113085/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-113085/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-113085/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-44564-D-3-G MS	Matrix Spike	Total/NA	Solid	3550C	
570-44564-D-3-H MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

Analysis Batch: 113106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44671-1	MC-SV-5_2	Total/NA	Solid	8015B	113085
570-44671-2	MC-SV-5_5	Total/NA	Solid	8015B	113085
570-44671-5	MC-SV-2_2	Total/NA	Solid	8015B	113085
570-44671-6	MC-SV-2_5	Total/NA	Solid	8015B	113085
570-44671-10	MC-SV-4_5	Total/NA	Solid	8015B	113085
MB 570-113085/1-A	Method Blank	Total/NA	Solid	8015B	113085
LCS 570-113085/2-A	Lab Control Sample	Total/NA	Solid	8015B	113085
LCSD 570-113085/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	113085
570-44564-D-3-G MS	Matrix Spike	Total/NA	Solid	8015B	113085
570-44564-D-3-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	113085

Lab Chronicle

Client: Avocet Environmental Inc
Job ID: 570-44671-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: MC-SV-5_2
Lab Sample ID: 570-44671-1
Date Collected: 11/24/20 08:13
Matrix: Solid
Date Received: 11/24/20 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.479 g	5 g	112391	11/25/20 11:58	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	112372	11/25/20 16:42	U4JL	ECL 2
	Instrument ID: GCMSCC									
Total/NA	Prep	3550C			10.08 g	10 mL	113085	12/01/20 10:44	UFLU	ECL 1
Total/NA	Analysis	8015B		1			113106	12/02/20 06:58	N5Y3	ECL 1
	Instrument ID: GC47									

Client Sample ID: MC-SV-5_5
Lab Sample ID: 570-44671-2
Date Collected: 11/24/20 08:18
Matrix: Solid
Date Received: 11/24/20 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.097 g	5 g	112391	11/25/20 11:58	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	112372	11/25/20 17:10	U4JL	ECL 2
	Instrument ID: GCMSCC									
Total/NA	Prep	3550C			10.04 g	10 mL	113085	12/01/20 10:44	UFLU	ECL 1
Total/NA	Analysis	8015B		1			113106	12/02/20 07:21	N5Y3	ECL 1
	Instrument ID: GC47									

Client Sample ID: MC-SV-2_2
Lab Sample ID: 570-44671-5
Date Collected: 11/24/20 09:58
Matrix: Solid
Date Received: 11/24/20 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.697 g	5 g	112391	11/25/20 11:58	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	112372	11/25/20 17:37	U4JL	ECL 2
	Instrument ID: GCMSCC									
Total/NA	Prep	3550C			9.97 g	10 mL	113085	12/01/20 10:44	UFLU	ECL 1
Total/NA	Analysis	8015B		1			113106	12/02/20 07:42	N5Y3	ECL 1
	Instrument ID: GC47									

Client Sample ID: MC-SV-2_5
Lab Sample ID: 570-44671-6
Date Collected: 11/24/20 10:08
Matrix: Solid
Date Received: 11/24/20 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.017 g	5 g	112391	11/25/20 11:58	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	112372	11/25/20 18:05	U4JL	ECL 2
	Instrument ID: GCMSCC									
Total/NA	Prep	3550C			10.00 g	10 mL	113085	12/01/20 10:44	UFLU	ECL 1
Total/NA	Analysis	8015B		1			113106	12/02/20 08:05	N5Y3	ECL 1
	Instrument ID: GC47									

Client Sample ID: MC-SV-4_5
Lab Sample ID: 570-44671-10
Date Collected: 11/24/20 14:30
Matrix: Solid
Date Received: 11/24/20 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2.858 g	5 g	112391	11/25/20 11:58	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	112372	11/25/20 18:32	U4JL	ECL 2
	Instrument ID: GCMSCC									
Total/NA	Prep	3550C			10.14 g	10 mL	113085	12/01/20 10:44	UFLU	ECL 1
Total/NA	Analysis	8015B		1			113106	12/02/20 08:26	N5Y3	ECL 1
	Instrument ID: GC47									

Client Sample ID: TVB-3_0.5
Lab Sample ID: 570-44671-17
Date Collected: 11/24/20 09:32
Matrix: Solid
Date Received: 11/24/20 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.01 g	10 mL	112414	11/25/20 17:31	USUL	ECL 1
Total/NA	Analysis	8082		1			112714	11/30/20 18:46	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: TVB-2_0.5
Lab Sample ID: 570-44671-18
Date Collected: 11/24/20 11:10
Matrix: Solid
Date Received: 11/24/20 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.08 g	10 mL	112414	11/25/20 17:31	USUL	ECL 1
Total/NA	Analysis	8082		1			112714	11/30/20 19:04	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546			20.08 g	10 mL	112414	11/25/20 17:31	USUL	ECL 1
Total/NA	Analysis	8082		100			113075	12/01/20 11:46	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: TVB-1_0.5
Lab Sample ID: 570-44671-19
Date Collected: 11/24/20 13:14
Matrix: Solid
Date Received: 11/24/20 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.13 g	10 mL	112414	11/25/20 17:31	USUL	ECL 1
Total/NA	Analysis	8082		1			112714	11/30/20 19:22	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: TB_20201124
Lab Sample ID: 570-44671-20
Date Collected: 11/24/20 00:00
Matrix: Water
Date Received: 11/24/20 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	112682	11/29/20 02:27	OH1	ECL 2
	Instrument ID: GCMSJJ									

Lab Chronicle

Client: Avocet Environmental Inc
Job ID: 570-44671-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: EB_20201124
Date Collected: 11/24/20 13:20
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	112682	11/29/20 02:54	OH1	ECL 2
	Instrument ID: GCMSJJ									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Avocet Environmental Inc
Job ID: 570-44671-1
Project/Site: Fairview Development Center / 1431.005

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	State	2944	09-30-21
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

Method Summary

Client: Avocet Environmental Inc
Job ID: 570-44671-1
Project/Site: Fairview Development Center / 1431.005

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
3546	Microwave Extraction	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL 2
5035	Closed System Purge and Trap	SW846	ECL 2

Protocol References:

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

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Avocet Environmental Inc
Job ID: 570-44671-1
Project/Site: Fairview Development Center / 1431.005

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-44671-1	MC-SV-5_2	Solid	11/24/20 08:13	11/24/20 16:20	
570-44671-2	MC-SV-5_5	Solid	11/24/20 08:18	11/24/20 16:20	
570-44671-5	MC-SV-2_2	Solid	11/24/20 09:58	11/24/20 16:20	
570-44671-6	MC-SV-2_5	Solid	11/24/20 10:08	11/24/20 16:20	
570-44671-10	MC-SV-4_5	Solid	11/24/20 14:30	11/24/20 16:20	
570-44671-17	TVB-3_0.5	Solid	11/24/20 09:32	11/24/20 16:20	
570-44671-18	TVB-2_0.5	Solid	11/24/20 11:10	11/24/20 16:20	
570-44671-19	TVB-1_0.5	Solid	11/24/20 13:14	11/24/20 16:20	
570-44671-20	TB_20201124	Water	11/24/20 00:00	11/24/20 16:20	
570-44671-21	EB_20201124	Water	11/24/20 13:20	11/24/20 16:20	

AVOCET ENVIRONMENTAL, INC.
1 Technology Drive, Suite C515
Irvine, California 92618-5302
TEL (949) 296-0977
FAX (949) 296-0978

Sheet 1 of 2

44671

CHAIN OF CUSTODY RECORD

Project Information:	Event Name:
Site Name	Fairview Developmental Center
Site Location	Costa Mesa, Ca
Project No.	1431.005
Project Manager	Deke Siren
Sampled By	SRR
Turnaround Time	Standard

ECI Project # 57006451

Sample Identification	Sample Date	Sample Time	Matrix	No. of Cntnrs.	Lab I.D. Number	Analyses: TPH (C6-44) by EPA 8015B	VOCs by EPA 8260B/5035	SVOCs by EPA 8270 SIM	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	CrVI by EPA 7199	HOLD
MC - SV - 5 _2	11/24/20	0813	Soil	4	1	X	X					
MC - SV - 5 _5		0818		4	2	X	X					
MC - SV - 5 _10		0831		1	3							X
MC - SV - 5 _15		0852		1	4							X
MC - SV - 2 _2		0958		4	5	X	X					
MC - SV - 2 _5		10:08		4	6	X	X					
MC - SV - 2 _10		10:19		1	7							X
MC - SV - 2 _15		10:43		1	8							X
MC - SV - 4 _2		13:46		1	9							X
MC - SV - 4 _5		14:30		4	10	X	X					
~~MC - SV - 4 _10~~				~~4~~								
~~MC - SV - 4 _15~~				~~4~~								

570-44671 Chain of Custody

Relinquished by	Company	Received by	Company
Printed Name: Scott Ruud Date: 11/24/20	Avocet Environmental, Inc.	Printed Name: DANNY LE Date: 11/24/20	GL
Signature: Time: 1620		Signature: Time: 16:20	
Printed Name: Date:		Printed Name: Date:	
Signature: Time:		Signature: Time:	
Printed Name: Date:		Printed Name: Date:	
Signature: Time:		Signature: Time:	

Sample Receipt		Billing Information	Special Instructions
Total Containers	TAT	Bill To: Philip Miller, P.E. AVOCET ENVIRONMENTAL, INC. 1 Technology Dive, Suite C515 Irvine, CA 92618-5302	Please bill to Avocet. If any questions, please call Scott Ruud at (949) 296-0977 x115.
Temperature °C / °F	Lab No.		
COC Seal (Y/N/NA)	Intact (Y/N)		

AVOCET ENVIRONMENTAL, INC.
1 Technology Drive, Suite C515
Irvine, California 92618-5302
TEL (949) 296-0977
FAX (949) 296-0978

Sheet 2 of 2

CHAIN OF CUSTODY RECORD

Project Information:	Event Name:
Site Name	Fairview Developmental Center
Site Location	Costa Mesa, Ca
Project No.	1431.005
Project Manager	Deke Siren
Sampled By	SRR
Turnaround Time	Standard

ECI Project # 57006451

Sample Identification	Sample Date	Sample Time	Matrix	No. of Cntnrs.	Lab I.D. Number	Analyses: TPH (C6-44) by EPA 8015B	VOCs by EPA 8260B/5035	SVOCs by EPA 8270 SIM	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	CrVI by EPA 7199	HOLD
TVB - 3 _2	11/24/20	0937	Soil	1	11							X
TVB - 3 _5		0943		1	12							X
TVB - 2 _2		11:13		1	13							X
TVB - 2 _5		11:19		1	14							X
TVB - 1 _2		13:17		1	15							X
TVB - 1 _5		13:21		1	16							X
TVB - 3 _0.5		0932		1	17				X			
TVB - 2 _0.5		11:10		1	18				X			
TVB - 1 _0.5		13:14		1	19				X			
~~TVB~~ TB_20201124			Water	3	20		X					
~~TVB~~ EB_20201124		13:20	Water	3	21		X					
~~TVB~~												

Relinquished by	Company	Received by	Company
Printed Name: ~~Scott~~ Scott Ruud Date: 11/24/20	Avocet Environmental, Inc.	Printed Name: DANNY LE Date: 11/24/20	EC
Signature: Time: 1620		Signature: Time: 16:20	
Printed Name: Date:		Printed Name: Date:	
Signature: Time:		Signature: Time:	
Printed Name: Date:		Printed Name: Date:	
Signature: Time:		Signature: Time:	

Sample Receipt		Billing Information	Special Instructions
Total Containers	TAT	Bill To: Philip Miller, P.E. AVOCET ENVIRONMENTAL, INC. 1 Technology Dive, Suite C515 Irvine, CA 92618-5302	Please bill to Avocet. If any questions, please call Scott Ruud at (949) 296-0977 x1 15.
Temperature °C / °F	Lab No.		
COC Seal (Y/N/NA)	Intact (Y/N)		

Login Sample Receipt Checklist

Client: Avocet Environmental Inc

Job Number: 570-44671-1

Login Number: 44671

List Source: Eurofins Calscience

List Number: 1

Creator: Le, Danny

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

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-44671-2
Client Project/Site: Fairview Development Center / 1431.005

For:
Avocet Environmental Inc
1 Technology Drive
Suite C515
Irvine, California 92618

Attn: Deke Siren

Virendra R Patel

Authorized for release by:
12/9/2020 8:28:42 AM

Virendra Patel, Project Manager I
(714)895-5494
Virendra.Patel@eurofinset.com

LINKS

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Glossary

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

Job ID: 570-44671-2

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-44671-2

Comments
No additional comments.

Receipt
The samples were received on 11/24/2020 4:20 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.2º C.

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

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

Detection Summary

Client: Avocet Environmental Inc
Job ID: 570-44671-2
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: TVB-2_2 — Lab Sample ID: 570-44671-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	210		50		ug/Kg	1		8082	Total/NA

Client Sample ID: TVB-2_5 — Lab Sample ID: 570-44671-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	3500		500		ug/Kg	10		8082	Total/NA

Client Sample ID: TVB-1_2 — Lab Sample ID: 570-44671-15

No Detections.

Client Sample ID: TVB-1_5 — Lab Sample ID: 570-44671-16

No Detections.

This Detection Summary does not include radiochemical test results.

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

Client Sample ID: TVB-2_2
Date Collected: 11/24/20 11:13
Date Received: 11/24/20 16:20
Lab Sample ID: 570-44671-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:01	1
Aroclor-1221	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:01	1
Aroclor-1232	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:01	1
Aroclor-1242	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:01	1
Aroclor-1248	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:01	1
Aroclor-1254	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:01	1
Aroclor-1260	**210**		50		ug/Kg		12/04/20 12:23	12/07/20 22:01	1
Aroclor-1262	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:01	1
Aroclor-1268	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*53*		*20 - 155*	*12/04/20 12:23*	*12/07/20 22:01*	*1*
Tetrachloro-m-xylene (Surr)	*62*		*25 - 126*	*12/04/20 12:23*	*12/07/20 22:01*	*1*

Client Sample ID: TVB-2_5
Date Collected: 11/24/20 11:19
Date Received: 11/24/20 16:20
Lab Sample ID: 570-44671-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:19	1
Aroclor-1221	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:19	1
Aroclor-1232	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:19	1
Aroclor-1242	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:19	1
Aroclor-1248	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:19	1
Aroclor-1254	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:19	1
Aroclor-1260	**3500**		500		ug/Kg		12/04/20 12:23	12/08/20 14:13	10
Aroclor-1262	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:19	1
Aroclor-1268	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*20 - 155*	*12/04/20 12:23*	*12/07/20 22:19*	*1*
DCB Decachlorobiphenyl (Surr)	*145*		*20 - 155*	*12/04/20 12:23*	*12/08/20 14:13*	*10*
Tetrachloro-m-xylene (Surr)	*84*		*25 - 126*	*12/04/20 12:23*	*12/07/20 22:19*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*25 - 126*	*12/04/20 12:23*	*12/08/20 14:13*	*10*

Client Sample ID: TVB-1_2
Date Collected: 11/24/20 13:17
Date Received: 11/24/20 16:20
Lab Sample ID: 570-44671-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:37	1
Aroclor-1221	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:37	1
Aroclor-1232	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:37	1
Aroclor-1242	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:37	1
Aroclor-1248	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:37	1
Aroclor-1254	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:37	1
Aroclor-1260	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:37	1
Aroclor-1262	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:37	1
Aroclor-1268	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*20 - 155*	*12/04/20 12:23*	*12/07/20 22:37*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*25 - 126*	*12/04/20 12:23*	*12/07/20 22:37*	*1*

Client: Avocet Environmental Inc
Job ID: 570-44671-2
Project/Site: Fairview Development Center / 1431.005

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

Client Sample ID: TVB-1_5
Date Collected: 11/24/20 13:21
Date Received: 11/24/20 16:20

Lab Sample ID: 570-44671-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:55	1
Aroclor-1221	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:55	1
Aroclor-1232	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:55	1
Aroclor-1242	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:55	1
Aroclor-1248	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:55	1
Aroclor-1254	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:55	1
Aroclor-1260	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:55	1
Aroclor-1262	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:55	1
Aroclor-1268	ND		50		ug/Kg		12/04/20 12:23	12/07/20 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*20 - 155*	*12/04/20 12:23*	*12/07/20 22:55*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*25 - 126*	*12/04/20 12:23*	*12/07/20 22:55*	*1*

Surrogate Summary

Client: Avocet Environmental Inc
Job ID: 570-44671-2
Project/Site: Fairview Development Center / 1431.005

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

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
		DCB1	TCX1										
Lab Sample ID	Client Sample ID	(20-155)	(25-126)										
570-44671-13	TVB-2_2	53	62										
570-44671-14	TVB-2_5	80	84										
570-44671-14	TVB-2_5	145	83										
570-44671-15	TVB-1_2	71	83										
570-44671-16	TVB-1_5	79	86										
570-45218-A-1-A MS	Matrix Spike	75	79										
570-45218-A-1-B MSD	Matrix Spike Duplicate	82	89										
LCS 570-113809/2-A	Lab Control Sample	83	85										
LCSD 570-113809/3-A	Lab Control Sample Dup	84	87										
MB 570-113809/1-A	Method Blank	89	98										

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

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

Lab Sample ID: MB 570-113809/1-A
Matrix: Solid
Analysis Batch: 113922

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/03/20 19:09	12/04/20 12:33	1
Aroclor-1221	ND		50		ug/Kg		12/03/20 19:09	12/04/20 12:33	1
Aroclor-1232	ND		50		ug/Kg		12/03/20 19:09	12/04/20 12:33	1
Aroclor-1242	ND		50		ug/Kg		12/03/20 19:09	12/04/20 12:33	1
Aroclor-1248	ND		50		ug/Kg		12/03/20 19:09	12/04/20 12:33	1
Aroclor-1254	ND		50		ug/Kg		12/03/20 19:09	12/04/20 12:33	1
Aroclor-1260	ND		50		ug/Kg		12/03/20 19:09	12/04/20 12:33	1
Aroclor-1262	ND		50		ug/Kg		12/03/20 19:09	12/04/20 12:33	1
Aroclor-1268	ND		50		ug/Kg		12/03/20 19:09	12/04/20 12:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*89*		*20 - 155*	*12/03/20 19:09*	*12/04/20 12:33*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*25 - 126*	*12/03/20 19:09*	*12/04/20 12:33*	*1*

Lab Sample ID: LCS 570-113809/2-A
Matrix: Solid
Analysis Batch: 113922

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113809

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			100	114.4		ug/Kg		114	50 - 142		
Aroclor-1260			100	106.9		ug/Kg		107	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*83*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*85*		*25 - 126*

Lab Sample ID: LCSD 570-113809/3-A
Matrix: Solid
Analysis Batch: 113922

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113809

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016			100	120.6		ug/Kg		121	50 - 142	5	30
Aroclor-1260			100	111.0		ug/Kg		111	50 - 150	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*84*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*87*		*25 - 126*

Lab Sample ID: 570-45218-A-1-A MS
Matrix: Solid
Analysis Batch: 113922

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 113809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016	ND		99.0	113.5		ug/Kg		115	20 - 175		
Aroclor-1260	ND		99.0	98.53		ug/Kg		100	20 - 180		

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

Lab Sample ID: 570-45218-A-1-A MS
Matrix: Solid
Analysis Batch: 113922

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 113809

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*75*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*79*		*25 - 126*

Lab Sample ID: 570-45218-A-1-B MSD
Matrix: Solid
Analysis Batch: 113922

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 113809

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		99.2	137.6		ug/Kg		139	20 - 175	19	40
Aroclor-1260	ND		99.2	112.9		ug/Kg		114	20 - 180	14	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*82*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*89*		*25 - 126*

QC Association Summary

Client: Avocet Environmental Inc
Job ID: 570-44671-2
Project/Site: Fairview Development Center / 1431.005

GC Semi VOA

Prep Batch: 113809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44671-13	TVB-2_2	Total/NA	Solid	3546	
570-44671-14	TVB-2_5	Total/NA	Solid	3546	
570-44671-15	TVB-1_2	Total/NA	Solid	3546	
570-44671-16	TVB-1_5	Total/NA	Solid	3546	
MB 570-113809/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-113809/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-113809/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
570-45218-A-1-A MS	Matrix Spike	Total/NA	Solid	3546	
570-45218-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 113922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-113809/1-A	Method Blank	Total/NA	Solid	8082	113809
LCS 570-113809/2-A	Lab Control Sample	Total/NA	Solid	8082	113809
LCSD 570-113809/3-A	Lab Control Sample Dup	Total/NA	Solid	8082	113809
570-45218-A-1-A MS	Matrix Spike	Total/NA	Solid	8082	113809
570-45218-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	113809

Analysis Batch: 114545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44671-13	TVB-2_2	Total/NA	Solid	8082	113809
570-44671-14	TVB-2_5	Total/NA	Solid	8082	113809
570-44671-14	TVB-2_5	Total/NA	Solid	8082	113809
570-44671-15	TVB-1_2	Total/NA	Solid	8082	113809
570-44671-16	TVB-1_5	Total/NA	Solid	8082	113809

Lab Chronicle

Client: Avocet Environmental Inc
Job ID: 570-44671-2
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: TVB-2_2
Lab Sample ID: 570-44671-13
Date Collected: 11/24/20 11:13
Matrix: Solid
Date Received: 11/24/20 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.11 g	10 mL	113809	12/04/20 12:23	USUL	ECL 1
Total/NA	Analysis	8082		1			114545	12/07/20 22:01	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: TVB-2_5
Lab Sample ID: 570-44671-14
Date Collected: 11/24/20 11:19
Matrix: Solid
Date Received: 11/24/20 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.19 g	10 mL	113809	12/04/20 12:23	USUL	ECL 1
Total/NA	Analysis	8082		1			114545	12/07/20 22:19	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3546			20.19 g	10 mL	113809	12/04/20 12:23	USUL	ECL 1
Total/NA	Analysis	8082		10	1 mL	1.0 mL	114545	12/08/20 14:13	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: TVB-1_2
Lab Sample ID: 570-44671-15
Date Collected: 11/24/20 13:17
Matrix: Solid
Date Received: 11/24/20 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.13 g	10 mL	113809	12/04/20 12:23	USUL	ECL 1
Total/NA	Analysis	8082		1			114545	12/07/20 22:37	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: TVB-1_5
Lab Sample ID: 570-44671-16
Date Collected: 11/24/20 13:21
Matrix: Solid
Date Received: 11/24/20 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.17 g	10 mL	113809	12/04/20 12:23	USUL	ECL 1
Total/NA	Analysis	8082		1			114545	12/07/20 22:55	UHHN	ECL 1
	Instrument ID: GC58									

Laboratory References:
ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Avocet Environmental Inc
Job ID: 570-44671-2
Project/Site: Fairview Development Center / 1431.005

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	SCAQMD LAP	17LA0919	11-30-20 *
California	State	2944	09-30-21
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Avocet Environmental Inc
Job ID: 570-44671-2
Project/Site: Fairview Development Center / 1431.005

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
3546	Microwave Extraction	SW846	ECL 1

Protocol References:

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

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Avocet Environmental Inc
Job ID: 570-44671-2
Project/Site: Fairview Development Center / 1431.005

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-44671-13	TVB-2_2	Solid	11/24/20 11:13	11/24/20 16:20	
570-44671-14	TVB-2_5	Solid	11/24/20 11:19	11/24/20 16:20	
570-44671-15	TVB-1_2	Solid	11/24/20 13:17	11/24/20 16:20	
570-44671-16	TVB-1_5	Solid	11/24/20 13:21	11/24/20 16:20	

AVOCET ENVIRONMENTAL, INC.
1 Technology Drive, Suite C515
Irvine, California 92618-5302
TEL (949) 296-0977
FAX (949) 296-0978

Sheet 2 of 2

CHAIN OF CUSTODY RECORD

Project Information:	Event Name:
Site Name	Fairview Developmental Center
Site Location	Costa Mesa, Ca
Project No.	1431.005
Project Manager	Deke Siren
Sampled By	SRR
Turnaround Time	Standard

ECI Project # 57006451

Sample Identification	Sample Date	Sample Time	Matrix	No. of Cntnrs.	Lab I.D. Number	TPH (C6-44) by EPA 8015B	VOCs by EPA 8260B/5035	SVOCs by EPA 8270 SIM	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	CrVI by EPA 7199	HOLD
TVB - 3 _2	11/24/20	0937	Soil	1	11							X
TVB - 3 _5		0943		1	12							X
TVB - 2 _2		11:13		1	13				X	12/03/20		X
TVB - 2 _5		11:19		1	14				X			X
TVB - 1 _2		13:17		1	15				X			X
TVB - 1 _5		13:21		1	16				X			X
TVB - 3 _0.5		0932		1	17				X			
TVB - 2 _0.5		11:10		1	18				X			
TVB - 1 _0.5		13:14		1	19				X			
~~TVB - 5~~ TB_20201124			Water	3	20		X					
~~TVB - 4~~ EB_20201124		13:20	Water	3	21		X					
~~TVB - 5~~												

Revised COC received from Alex Rogaski (Avocet) on 12/03/2020 at 12:09pm.
- Virendra (ECI)

Relinquished by	Company	Received by	Company
Printed Name: ~~Scott Ruud~~ Date: 11/24/20	Avocet Environmental, Inc.	Printed Name: DANNY LE Date: 11/24/20	EC
Signature: Time: 1620		Signature: Time: 16:20	
Printed Name: Date:		Printed Name: Date:	
Signature: Time:		Signature: Time:	
Printed Name: Date:		Printed Name: Date:	
Signature: Time:		Signature: Time:	

Sample Receipt		Billing Information	Special Instructions
Total Containers	TAT	Bill To: Philip Miller, P.E. AVOCET ENVIRONMENTAL, INC. 1 Technology Dive, Suite C515 Irvine, CA 92618-5302	Please bill to Avocet. If any questions, please call Scott Ruud at (949) 296-0977 x215.
Temperature °C °F	Lab No.		
COC Seal (Y/N/NA)	Intact (Y/N)		

P:\1431 RESD-Fairview DC Costa Mesa\005_Facility Phase II\Field Prep\Chain of Custody_Master

AVOCET ENVIRONMENTAL, INC.
1 Technology Drive, Suite C515
Irvine, California 92618-5302
TEL (949) 296-0977
FAX (949) 296-0978

Sheet 1 of 2

44671

CHAIN OF CUSTODY RECORD

Project Information:	Event Name:
Site Name	Fairview Developmental Center
Site Location	Costa Mesa, Ca
Project No.	1431.005
Project Manager	Deke Siren
Sampled By	SRR
Turnaround Time	Standard

ECI Project # 57006451

Sample Identification	Sample Date	Sample Time	Matrix	No. of Cntnrs.	Lab I.D. Number	Analyses: TPH (C6-44) by EPA 8015B	VOCs by EPA 8260B/5035	SVOCs by EPA 8270 SIM	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	CrVI by EPA 7199	HOLD
MC - SV - 5 _2	11/24/20	0813	Soil	4	1	X	X					
MC - SV - 5 _5		0818		4	2	X	X					
MC - SV - 5 _10		0831		1	3							X
MC - SV - 5 _15		0852		1	4							X
MC - SV - 2 _2		0958		4	5	X	X					
MC - SV - 2 _5		10:08		4	6	X	X					
MC - SV - 2 _10		10:19		1	7							X
MC - SV - 2 _15		10:43		1	8							X
MC - SV - 4 _2		13:46		1	9							X
MC - SV - 4 _5		14:30		4	10	X	X					
~~MC - SV - 4 _10~~				~~4~~								
~~MC - SV - 4 _15~~				~~4~~								

570-44671 Chain of Custody

Relinquished by	Company	Received by	Company
Printed Name: Scott Ruud Date: 11/24/20	Avocet Environmental, Inc.	Printed Name: DANNY LE Date: 11/24/20	TC
Signature: Time: 1620		Signature: Time: 16:20	
Printed Name: Date:		Printed Name: Date:	
Signature: Time:		Signature: Time:	
Printed Name: Date:		Printed Name: Date:	
Signature: Time:		Signature: Time:	

Sample Receipt		Billing Information	Special Instructions
Total Containers	TAT	Bill To: Philip Miller, P.E. AVOCET ENVIRONMENTAL, INC. 1 Technology Dive, Suite C515 Irvine, CA 92618-5302	Please bill to Avocet. If any questions, please call Scott Ruud at (949) 296-0977 x115.
Temperature °C / °F	Lab No.		
COC Seal (Y/N/NA)	Intact (Y/N)		

AVOCET ENVIRONMENTAL, INC.
1 Technology Drive, Suite C515
Irvine, California 92618-5302
TEL (949) 296-0977
FAX (949) 296-0978

Sheet 2 of 2

CHAIN OF CUSTODY RECORD

Project Information:	Event Name:
Site Name	Fairview Developmental Center
Site Location	Costa Mesa, Ca
Project No.	1431.005
Project Manager	Deke Siren
Sampled By	SRR
Turnaround Time	Standard

ECI Project # 57006451

Sample Identification	Sample Date	Sample Time	Matrix	No. of Cntnrs.	Lab I.D. Number	Analyses: TPH (C6-44) by EPA 8015B	VOCs by EPA 8260B/5035	SVOCs by EPA 8270 SIM	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	CrVI by EPA 7199	HOLD
TVB - 3 _2	11/24/20	0937	Soil	1	11							X
TVB - 3 _5		0943		1	12							X
TVB - 2 _2		11:13		1	13							X
TVB - 2 _5		11:19		1	14							X
TVB - 1 _2		13:17		1	15							X
TVB - 1 _5		13:21		1	16							X
TVB - 3 _0.5		0932		1	17				X			
TVB - 2 _0.5		11:10		1	18				X			
TVB - 1 _0.5		13:14		1	19				X			
~~TVB - 5~~ TB_20201124			Water	3	20		X					
~~TVB - 4~~ EB_20201124		13:20	Water	3	21		X					
~~TVB - 5~~												

Relinquished by	Company	Received by	Company
Printed Name: ~~Scott~~ Scott Ruud Date: 11/24/20	Avocet Environmental, Inc.	Printed Name: DANNY LE Date: 11/24/20	EC
Signature: Time: 1620		Signature: Time: 16:20	
Printed Name: Date:		Printed Name: Date:	
Signature: Time:		Signature: Time:	
Printed Name: Date:		Printed Name: Date:	
Signature: Time:		Signature: Time:	

Sample Receipt		Billing Information	Special Instructions
Total Containers	TAT	Bill To: Philip Miller, P.E. AVOCET ENVIRONMENTAL, INC. 1 Technology Dive, Suite C515 Irvine, CA 92618-5302	Please bill to Avocet. If any questions, please call Scott Ruud at (949) 296-0977 x/d 15.
Temperature °C °F	Lab No.		
COC Seal (Y/N/NA)	Intact (Y/N)		

Login Sample Receipt Checklist

Client: Avocet Environmental Inc

Job Number: 570-44671-2

Login Number: 44671

List Number: 1

Creator: Le, Danny

List Source: Eurofins Calscience

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

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ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-44801-1
Client Project/Site: Fairview Development Center / 1431.005

For:
Avocet Environmental Inc
1 Technology Drive
Suite C515
Irvine, California 92618

Attn: Deke Siren

Virendra R Patel

Authorized for release by:
12/3/2020 5:16:38 PM

Virendra Patel, Project Manager I
(714)895-5494
Virendra.Patel@eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate recovery exceeds control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
L	A negative instrument reading had an absolute value greater than the reporting limit

Glossary

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

Job ID: 570-44801-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-44801-1

Comments
No additional comments.

Receipt
The samples were received on 11/25/2020 4:49 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.8º C.

GC/MS VOA
Method 8260B: The initial calibration curve analyzed in batch 570-112753 was outside method criteria for the following analyte(s): Bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered an estimated concentration.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-112753.

Method 8260B: The initial calibration curve analyzed in batch 570-112974 was outside method criteria for the following analyte(s): Bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered an estimated concentration.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with analytical batch 570-112974.

Method 8260B: Surrogate recovery for the following sample was outside the upper control limit: TB_20201125 (570-44801-12). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8260B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 570-112533 and analytical batch 570-112933 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC/MS Semi VOA
Method 8270C SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-112944 and analytical batch 570-113173 recovered outside control limits for the following analytes: Benzidine.

Method 8270C SIM: The continuing calibration verification (CCV) associated with batch 570-113173 recovered above the upper control limit for 2-Nitrophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

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

Metals
Method 6010B: The absolute response for Silver was greater than the method reporting limit (RL) in the following sample: MC-SV-8_5 (570-44801-8).
The instrument raw data has been manually reviewed and the result can be reported as ND.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-113470 and analytical batch 570-113630 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated

Job ID: 570-44801-1 (Continued)

Laboratory: Eurofins Calscience LLC (Continued)

laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010B: Due to the high concentration of Barium the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 570-113470 and analytical batch 570-113630 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 6010B: The absolute response for Molybdenum was greater than the method reporting limit (RL) in the following samples: MC-SV-8_2 (570-44801-7) and MC-SV-8_5 (570-44801-8).
The instrument raw data has been manually reviewed and the result can be reported as ND.

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

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

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

Detection Summary

Client: Avocet Environmental Inc
Job ID: 570-44801-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: MC-SV-4_10 — Lab Sample ID: 570-44801-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	46		23		ug/Kg	1		8260B	Total/NA
C6-C44	15		5.0		mg/Kg	1		8015B	Total/NA

Client Sample ID: MC-SV-1_2 — Lab Sample ID: 570-44801-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	26		19		ug/Kg	1		8260B	Total/NA
C29-C32	6.4		5.1		mg/Kg	1		8015B	Total/NA
C33-C36	7.0		5.1		mg/Kg	1		8015B	Total/NA
C37-C40	7.2		5.1		mg/Kg	1		8015B	Total/NA
C41-C44	6.6		5.1		mg/Kg	1		8015B	Total/NA
C6-C44	28		5.1		mg/Kg	1		8015B	Total/NA

Client Sample ID: MC-SV-1_5 — Lab Sample ID: 570-44801-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	37		20		ug/Kg	1		8260B	Total/NA
C6-C44	6.7		5.0		mg/Kg	1		8015B	Total/NA

Client Sample ID: MC-SV-8_2 — Lab Sample ID: 570-44801-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	100		22		ug/Kg	1		8260B	Total/NA
Perthane	0.033		0.010		mg/Kg	1		8270C SIM	Total/NA
Phenol	0.010		0.010		mg/Kg	1		8270C SIM	Total/NA
C17-C18	5.9		5.0		mg/Kg	1		8015B	Total/NA
C19-C20	6.0		5.0		mg/Kg	1		8015B	Total/NA
C21-C22	7.2		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	20		5.0		mg/Kg	1		8015B	Total/NA
Arsenic	0.840		0.725		mg/Kg	1		6010B	Total/NA
Barium	88.9		0.483		mg/Kg	1		6010B	Total/NA
Beryllium	0.736		0.242		mg/Kg	1		6010B	Total/NA
Cobalt	7.66		0.242		mg/Kg	1		6010B	Total/NA
Chromium	15.3		0.242		mg/Kg	1		6010B	Total/NA
Copper	8.52		0.483		mg/Kg	1		6010B	Total/NA
Nickel	11.6		0.242		mg/Kg	1		6010B	Total/NA
Vanadium	33.9		0.242		mg/Kg	1		6010B	Total/NA
Zinc	31.9		0.966		mg/Kg	1		6010B	Total/NA
Lead	2.33		0.483		mg/Kg	1		6010B	Total/NA

Client Sample ID: MC-SV-8_5 — Lab Sample ID: 570-44801-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	19		19		ug/Kg	1		8260B	Total/NA
Hexachloroethane	0.010		0.010		mg/Kg	1		8270C SIM	Total/NA
Naphthalene	0.030		0.010		mg/Kg	1		8270C SIM	Total/NA
Perthane	0.012		0.010		mg/Kg	1		8270C SIM	Total/NA
Pyridine	0.013		0.010		mg/Kg	1		8270C SIM	Total/NA
Arsenic	1.74		0.758		mg/Kg	1		6010B	Total/NA
Barium	53.8		0.505		mg/Kg	1		6010B	Total/NA
Beryllium	0.701		0.253		mg/Kg	1		6010B	Total/NA
Cobalt	7.33		0.253		mg/Kg	1		6010B	Total/NA
Chromium	14.5		0.253		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MC-SV-8_5 (Continued)
Lab Sample ID: 570-44801-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	7.44		0.505		mg/Kg	1		6010B	Total/NA
Nickel	12.7		0.253		mg/Kg	1		6010B	Total/NA
Vanadium	31.3		0.253		mg/Kg	1		6010B	Total/NA
Zinc	31.8		1.01		mg/Kg	1		6010B	Total/NA
Lead	1.73		0.505		mg/Kg	1		6010B	Total/NA

Client Sample ID: EB_20201125
Lab Sample ID: 570-44801-11

No Detections.

Client Sample ID: TB_20201125
Lab Sample ID: 570-44801-12

No Detections.

This Detection Summary does not include radiochemical test results.

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

Client Sample ID: MC-SV-4_10
Date Collected: 11/25/20 07:44
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
1,1,1-Trichloroethane	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
1,1,2,2-Tetrachloroethane	ND		2.3		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
1,1,2-Trichloroethane	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
1,1-Dichloroethane	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
1,1-Dichloroethene	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
1,1-Dichloropropene	ND		2.3		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
1,2,3-Trichlorobenzene	ND		2.3		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
1,2,3-Trichloropropane	ND		2.3		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
1,2,4-Trichlorobenzene	ND		2.3		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
1,2,4-Trimethylbenzene	ND		2.3		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
1,2-Dibromo-3-Chloropropane	ND		12		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
1,2-Dibromoethane	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
1,2-Dichlorobenzene	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
1,2-Dichloroethane	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
1,2-Dichloropropane	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
1,3,5-Trimethylbenzene	ND		2.3		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
1,3-Dichlorobenzene	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
1,3-Dichloropropane	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
1,4-Dichlorobenzene	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
2,2-Dichloropropane	ND		5.9		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
2-Butanone	ND		23		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
2-Chlorotoluene	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
2-Hexanone	ND		23		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
4-Chlorotoluene	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
4-Methyl-2-pentanone	ND		23		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Acetone	**46**		23		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Benzene	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Bromobenzene	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Bromochloromethane	ND		2.3		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Bromodichloromethane	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Bromoform	ND		5.9		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Bromomethane	ND		23		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
cis-1,2-Dichloroethene	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
cis-1,3-Dichloropropene	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Carbon disulfide	ND		12		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Carbon tetrachloride	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Chlorobenzene	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Chloroethane	ND		2.3		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Chloroform	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Chloromethane	ND		23		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Dibromochloromethane	ND		2.3		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Dibromomethane	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Dichlorodifluoromethane	ND		2.3		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Di-isopropyl ether (DIPE)	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Ethanol	ND		290		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Ethylbenzene	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Ethyl-t-butyl ether (ETBE)	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1

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

Client Sample ID: MC-SV-4_10
Date Collected: 11/25/20 07:44
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Methylene Chloride	ND		12		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Methyl-t-Butyl Ether (MTBE)	ND		2.3		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Naphthalene	ND		12		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
n-Butylbenzene	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
N-Propylbenzene	ND		2.3		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
o-Xylene	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
m,p-Xylene	ND		2.3		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
p-Isopropyltoluene	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
sec-Butylbenzene	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Styrene	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
trans-1,2-Dichloroethene	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
trans-1,3-Dichloropropene	ND		2.3		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Tert-amyl-methyl ether (TAME)	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
tert-Butyl alcohol (TBA)	ND		23		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
tert-Butylbenzene	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Tetrachloroethene	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Toluene	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Trichloroethene	ND		2.3		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Trichlorofluoromethane	ND		12		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Vinyl acetate	ND		12		ug/Kg		11/25/20 23:16	11/30/20 23:54	1
Vinyl chloride	ND		1.2		ug/Kg		11/25/20 23:16	11/30/20 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*71 - 155*	*11/25/20 23:16*	*11/30/20 23:54*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*	*11/25/20 23:16*	*11/30/20 23:54*	*1*
Dibromofluoromethane (Surr)	*89*		*79 - 133*	*11/25/20 23:16*	*11/30/20 23:54*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*11/25/20 23:16*	*11/30/20 23:54*	*1*

Client Sample ID: MC-SV-1_2
Date Collected: 11/25/20 08:24
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
1,1,1-Trichloroethane	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
1,1,2,2-Tetrachloroethane	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.3		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
1,1,2-Trichloroethane	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
1,1-Dichloroethane	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
1,1-Dichloroethene	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
1,1-Dichloropropene	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
1,2,3-Trichlorobenzene	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
1,2,3-Trichloropropane	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
1,2,4-Trichlorobenzene	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
1,2,4-Trimethylbenzene	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
1,2-Dibromo-3-Chloropropane	ND		9.3		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
1,2-Dibromoethane	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
1,2-Dichlorobenzene	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
1,2-Dichloroethane	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
1,2-Dichloropropane	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1

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

Client Sample ID: MC-SV-1_2
Date Collected: 11/25/20 08:24
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
1,3-Dichlorobenzene	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
1,3-Dichloropropane	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
1,4-Dichlorobenzene	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
2,2-Dichloropropane	ND		4.6		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
2-Butanone	ND		19		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
2-Chlorotoluene	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
2-Hexanone	ND		19		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
4-Chlorotoluene	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
4-Methyl-2-pentanone	ND		19		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Acetone	**26**		19		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Benzene	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Bromobenzene	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Bromochloromethane	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Bromodichloromethane	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Bromoform	ND		4.6		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Bromomethane	ND		19		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
cis-1,2-Dichloroethene	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
cis-1,3-Dichloropropene	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Carbon disulfide	ND		9.3		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Carbon tetrachloride	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Chlorobenzene	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Chloroethane	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Chloroform	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Chloromethane	ND		19		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Dibromochloromethane	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Dibromomethane	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Dichlorodifluoromethane	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Di-isopropyl ether (DIPE)	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Ethanol	ND		230		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Ethylbenzene	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Ethyl-t-butyl ether (ETBE)	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Isopropylbenzene	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Methylene Chloride	ND		9.3		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Methyl-t-Butyl Ether (MTBE)	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Naphthalene	ND		9.3		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
n-Butylbenzene	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
N-Propylbenzene	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
o-Xylene	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
m,p-Xylene	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
p-Isopropyltoluene	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
sec-Butylbenzene	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Styrene	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
trans-1,2-Dichloroethene	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
trans-1,3-Dichloropropene	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Tert-amyl-methyl ether (TAME)	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
tert-Butyl alcohol (TBA)	ND		19		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
tert-Butylbenzene	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Tetrachloroethene	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1

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

Client Sample ID: MC-SV-1_2
Date Collected: 11/25/20 08:24
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Trichloroethene	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Trichlorofluoromethane	ND		9.3		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Vinyl acetate	ND		9.3		ug/Kg		11/25/20 23:16	11/30/20 16:48	1
Vinyl chloride	ND		0.93		ug/Kg		11/25/20 23:16	11/30/20 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*71 - 155*	*11/25/20 23:16*	*11/30/20 16:48*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*	*11/25/20 23:16*	*11/30/20 16:48*	*1*
Dibromofluoromethane (Surr)	*100*		*79 - 133*	*11/25/20 23:16*	*11/30/20 16:48*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*11/25/20 23:16*	*11/30/20 16:48*	*1*

Client Sample ID: MC-SV-1_5
Date Collected: 11/25/20 08:29
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
1,1-Dichloroethane	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
1,1-Dichloroethene	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
1,1-Dichloropropene	ND		2.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
1,2-Dibromoethane	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
1,2-Dichloroethane	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
1,2-Dichloropropane	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
1,3-Dichloropropane	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
2,2-Dichloropropane	ND		5.1		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
2-Butanone	ND		20		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
2-Chlorotoluene	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
2-Hexanone	ND		20		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
4-Chlorotoluene	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
4-Methyl-2-pentanone	ND		20		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Acetone	**37**		20		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Benzene	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Bromobenzene	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Bromochloromethane	ND		2.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Bromodichloromethane	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Bromoform	ND		5.1		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Bromomethane	ND		20		ug/Kg		11/25/20 23:16	11/30/20 17:14	1

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

Client Sample ID: MC-SV-1_5
Date Collected: 11/25/20 08:29
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Carbon disulfide	ND		10		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Carbon tetrachloride	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Chlorobenzene	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Chloroethane	ND		2.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Chloroform	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Chloromethane	ND		20		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Dibromochloromethane	ND		2.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Dibromomethane	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Ethanol	ND		260		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Ethylbenzene	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Isopropylbenzene	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Methylene Chloride	ND		10		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Naphthalene	ND		10		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
n-Butylbenzene	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
N-Propylbenzene	ND		2.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
o-Xylene	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
m,p-Xylene	ND		2.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
p-Isopropyltoluene	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
sec-Butylbenzene	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Styrene	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
tert-Butylbenzene	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Tetrachloroethene	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Toluene	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Trichloroethene	ND		2.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Trichlorofluoromethane	ND		10		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Vinyl acetate	ND		10		ug/Kg		11/25/20 23:16	11/30/20 17:14	1
Vinyl chloride	ND		1.0		ug/Kg		11/25/20 23:16	11/30/20 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*71 - 155*	*11/25/20 23:16*	*11/30/20 17:14*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*11/25/20 23:16*	*11/30/20 17:14*	*1*
Dibromofluoromethane (Surr)	*98*		*79 - 133*	*11/25/20 23:16*	*11/30/20 17:14*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*11/25/20 23:16*	*11/30/20 17:14*	*1*

Client Sample ID: MC-SV-8_2
Date Collected: 11/25/20 09:22
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
1,1,1-Trichloroethane	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1

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

Client Sample ID: MC-SV-8_2
Date Collected: 11/25/20 09:22
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		2.2		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
1,1,2-Trichloroethane	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
1,1-Dichloroethane	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
1,1-Dichloroethene	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
1,1-Dichloropropene	ND		2.2		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
1,2,3-Trichlorobenzene	ND		2.2		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
1,2,3-Trichloropropane	ND		2.2		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
1,2,4-Trichlorobenzene	ND		2.2		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
1,2,4-Trimethylbenzene	ND		2.2		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
1,2-Dibromo-3-Chloropropane	ND		11		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
1,2-Dibromoethane	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
1,2-Dichlorobenzene	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
1,2-Dichloroethane	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
1,2-Dichloropropane	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
1,3,5-Trimethylbenzene	ND		2.2		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
1,3-Dichlorobenzene	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
1,3-Dichloropropane	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
1,4-Dichlorobenzene	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
2,2-Dichloropropane	ND		5.5		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
2-Butanone	ND		22		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
2-Chlorotoluene	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
2-Hexanone	ND		22		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
4-Chlorotoluene	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
4-Methyl-2-pentanone	ND		22		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Acetone	**100**		22		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Benzene	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Bromobenzene	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Bromochloromethane	ND		2.2		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Bromodichloromethane	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Bromoform	ND		5.5		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Bromomethane	ND		22		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
cis-1,2-Dichloroethene	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
cis-1,3-Dichloropropene	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Carbon disulfide	ND		11		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Carbon tetrachloride	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Chlorobenzene	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Chloroethane	ND		2.2		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Chloroform	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Chloromethane	ND		22		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Dibromochloromethane	ND		2.2		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Dibromomethane	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Dichlorodifluoromethane	ND		2.2		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Di-isopropyl ether (DIPE)	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Ethanol	ND		270		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Ethylbenzene	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Ethyl-t-butyl ether (ETBE)	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Isopropylbenzene	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Methylene Chloride	ND		11		ug/Kg		11/25/20 23:16	11/30/20 17:40	1

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

Client Sample ID: MC-SV-8_2
Date Collected: 11/25/20 09:22
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		2.2		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Naphthalene	ND		11		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
n-Butylbenzene	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
N-Propylbenzene	ND		2.2		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
o-Xylene	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
m,p-Xylene	ND		2.2		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
p-Isopropyltoluene	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
sec-Butylbenzene	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Styrene	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
trans-1,2-Dichloroethene	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
trans-1,3-Dichloropropene	ND		2.2		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Tert-amyl-methyl ether (TAME)	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
tert-Butyl alcohol (TBA)	ND		22		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
tert-Butylbenzene	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Tetrachloroethene	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Toluene	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Trichloroethene	ND		2.2		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Trichlorofluoromethane	ND		11		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Vinyl acetate	ND		11		ug/Kg		11/25/20 23:16	11/30/20 17:40	1
Vinyl chloride	ND		1.1		ug/Kg		11/25/20 23:16	11/30/20 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*71 - 155*	*11/25/20 23:16*	*11/30/20 17:40*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*11/25/20 23:16*	*11/30/20 17:40*	*1*
Dibromofluoromethane (Surr)	*103*		*79 - 133*	*11/25/20 23:16*	*11/30/20 17:40*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*11/25/20 23:16*	*11/30/20 17:40*	*1*

Client Sample ID: MC-SV-8_5
Date Collected: 11/25/20 09:31
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
1,1,1-Trichloroethane	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
1,1,2,2-Tetrachloroethane	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.5		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
1,1,2-Trichloroethane	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
1,1-Dichloroethane	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
1,1-Dichloroethene	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
1,1-Dichloropropene	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
1,2,3-Trichlorobenzene	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
1,2,3-Trichloropropane	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
1,2,4-Trichlorobenzene	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
1,2,4-Trimethylbenzene	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
1,2-Dibromo-3-Chloropropane	ND		9.5		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
1,2-Dibromoethane	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
1,2-Dichlorobenzene	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
1,2-Dichloroethane	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
1,2-Dichloropropane	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
1,3,5-Trimethylbenzene	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
1,3-Dichlorobenzene	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1

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

Client Sample ID: MC-SV-8_5
Date Collected: 11/25/20 09:31
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
1,4-Dichlorobenzene	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
2,2-Dichloropropane	ND		4.7		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
2-Butanone	ND		19		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
2-Chlorotoluene	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
2-Hexanone	ND		19		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
4-Chlorotoluene	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
4-Methyl-2-pentanone	ND		19		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Acetone	**19**		19		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Benzene	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Bromobenzene	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Bromochloromethane	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Bromodichloromethane	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Bromoform	ND		4.7		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Bromomethane	ND		19		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
cis-1,2-Dichloroethene	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
cis-1,3-Dichloropropene	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Carbon disulfide	ND		9.5		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Carbon tetrachloride	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Chlorobenzene	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Chloroethane	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Chloroform	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Chloromethane	ND		19		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Dibromochloromethane	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Dibromomethane	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Dichlorodifluoromethane	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Di-isopropyl ether (DIPE)	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Ethanol	ND		240		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Ethylbenzene	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Ethyl-t-butyl ether (ETBE)	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Isopropylbenzene	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Methylene Chloride	ND		9.5		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Methyl-t-Butyl Ether (MTBE)	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Naphthalene	ND		9.5		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
n-Butylbenzene	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
N-Propylbenzene	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
o-Xylene	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
m,p-Xylene	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
p-Isopropyltoluene	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
sec-Butylbenzene	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Styrene	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
trans-1,2-Dichloroethene	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
trans-1,3-Dichloropropene	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Tert-amyl-methyl ether (TAME)	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
tert-Butyl alcohol (TBA)	ND		19		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
tert-Butylbenzene	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Tetrachloroethene	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Toluene	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Trichloroethene	ND		1.9		ug/Kg		11/25/20 23:16	11/30/20 18:06	1

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

Client Sample ID: MC-SV-8_5
Date Collected: 11/25/20 09:31
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		9.5		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Vinyl acetate	ND		9.5		ug/Kg		11/25/20 23:16	11/30/20 18:06	1
Vinyl chloride	ND		0.95		ug/Kg		11/25/20 23:16	11/30/20 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*71 - 155*	*11/25/20 23:16*	*11/30/20 18:06*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*	*11/25/20 23:16*	*11/30/20 18:06*	*1*
Dibromofluoromethane (Surr)	*103*		*79 - 133*	*11/25/20 23:16*	*11/30/20 18:06*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*11/25/20 23:16*	*11/30/20 18:06*	*1*

Client Sample ID: EB_20201125
Date Collected: 11/25/20 14:35
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-11
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			11/30/20 21:43	1
1,1,1-Trichloroethane	ND		1.0		ug/L			11/30/20 21:43	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			11/30/20 21:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			11/30/20 21:43	1
1,1,2-Trichloroethane	ND		1.0		ug/L			11/30/20 21:43	1
1,1-Dichloroethane	ND		1.0		ug/L			11/30/20 21:43	1
1,1-Dichloroethene	ND		1.0		ug/L			11/30/20 21:43	1
1,1-Dichloropropene	ND		1.0		ug/L			11/30/20 21:43	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			11/30/20 21:43	1
1,2,3-Trichloropropane	ND		5.0		ug/L			11/30/20 21:43	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			11/30/20 21:43	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			11/30/20 21:43	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			11/30/20 21:43	1
1,2-Dibromoethane	ND		1.0		ug/L			11/30/20 21:43	1
1,2-Dichlorobenzene	ND		1.0		ug/L			11/30/20 21:43	1
1,2-Dichloroethane	ND		0.50		ug/L			11/30/20 21:43	1
1,2-Dichloropropane	ND		1.0		ug/L			11/30/20 21:43	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			11/30/20 21:43	1
1,3-Dichlorobenzene	ND		1.0		ug/L			11/30/20 21:43	1
1,3-Dichloropropane	ND		1.0		ug/L			11/30/20 21:43	1
1,4-Dichlorobenzene	ND		1.0		ug/L			11/30/20 21:43	1
2,2-Dichloropropane	ND		1.0		ug/L			11/30/20 21:43	1
2-Butanone	ND		20		ug/L			11/30/20 21:43	1
2-Chlorotoluene	ND		1.0		ug/L			11/30/20 21:43	1
2-Hexanone	ND		10		ug/L			11/30/20 21:43	1
4-Chlorotoluene	ND		1.0		ug/L			11/30/20 21:43	1
4-Methyl-2-pentanone	ND		10		ug/L			11/30/20 21:43	1
Acetone	ND		20		ug/L			11/30/20 21:43	1
Benzene	ND		0.50		ug/L			11/30/20 21:43	1
Bromobenzene	ND		1.0		ug/L			11/30/20 21:43	1
Bromochloromethane	ND		2.0		ug/L			11/30/20 21:43	1
Bromodichloromethane	ND		1.0		ug/L			11/30/20 21:43	1
Bromoform	ND		5.0		ug/L			11/30/20 21:43	1
Bromomethane	ND		25		ug/L			11/30/20 21:43	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			11/30/20 21:43	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			11/30/20 21:43	1

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

Client Sample ID: EB_20201125
Date Collected: 11/25/20 14:35
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-11
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		10		ug/L			11/30/20 21:43	1
Carbon tetrachloride	ND		0.50		ug/L			11/30/20 21:43	1
Chlorobenzene	ND		1.0		ug/L			11/30/20 21:43	1
Chloroethane	ND		5.0		ug/L			11/30/20 21:43	1
Chloroform	ND		1.0		ug/L			11/30/20 21:43	1
Chloromethane	ND		10		ug/L			11/30/20 21:43	1
Dibromochloromethane	ND		2.0		ug/L			11/30/20 21:43	1
Dibromomethane	ND		1.0		ug/L			11/30/20 21:43	1
Dichlorodifluoromethane	ND		5.0		ug/L			11/30/20 21:43	1
Di-isopropyl ether (DIPE)	ND		2.0		ug/L			11/30/20 21:43	1
Ethanol	ND		100		ug/L			11/30/20 21:43	1
Ethylbenzene	ND		1.0		ug/L			11/30/20 21:43	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			11/30/20 21:43	1
Isopropylbenzene	ND		1.0		ug/L			11/30/20 21:43	1
Methylene Chloride	ND		10		ug/L			11/30/20 21:43	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			11/30/20 21:43	1
Naphthalene	ND		10		ug/L			11/30/20 21:43	1
n-Butylbenzene	ND		1.0		ug/L			11/30/20 21:43	1
N-Propylbenzene	ND		1.0		ug/L			11/30/20 21:43	1
o-Xylene	ND		1.0		ug/L			11/30/20 21:43	1
m,p-Xylene	ND		2.0		ug/L			11/30/20 21:43	1
p-Isopropyltoluene	ND		1.0		ug/L			11/30/20 21:43	1
sec-Butylbenzene	ND		1.0		ug/L			11/30/20 21:43	1
Styrene	ND		1.0		ug/L			11/30/20 21:43	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			11/30/20 21:43	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			11/30/20 21:43	1
Tert-amyl-methyl ether (TAME)	ND		2.0		ug/L			11/30/20 21:43	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			11/30/20 21:43	1
tert-Butylbenzene	ND		1.0		ug/L			11/30/20 21:43	1
Tetrachloroethene	ND		1.0		ug/L			11/30/20 21:43	1
Toluene	ND		1.0		ug/L			11/30/20 21:43	1
Trichloroethene	ND		1.0		ug/L			11/30/20 21:43	1
Trichlorofluoromethane	ND		10		ug/L			11/30/20 21:43	1
Vinyl acetate	ND		10		ug/L			11/30/20 21:43	1
Vinyl chloride	ND		0.50		ug/L			11/30/20 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 129*		*11/30/20 21:43*	*1*
4-Bromofluorobenzene (Surr)	*101*		*77 - 120*		*11/30/20 21:43*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 128*		*11/30/20 21:43*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/30/20 21:43*	*1*

Client Sample ID: TB_20201125
Date Collected: 11/25/20 00:00
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			11/30/20 21:17	1
1,1,1-Trichloroethane	ND		1.0		ug/L			11/30/20 21:17	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			11/30/20 21:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			11/30/20 21:17	1

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

Client Sample ID: TB_20201125
Date Collected: 11/25/20 00:00
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0		ug/L			11/30/20 21:17	1
1,1-Dichloroethane	ND		1.0		ug/L			11/30/20 21:17	1
1,1-Dichloroethene	ND		1.0		ug/L			11/30/20 21:17	1
1,1-Dichloropropene	ND		1.0		ug/L			11/30/20 21:17	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			11/30/20 21:17	1
1,2,3-Trichloropropane	ND		5.0		ug/L			11/30/20 21:17	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			11/30/20 21:17	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			11/30/20 21:17	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			11/30/20 21:17	1
1,2-Dibromoethane	ND		1.0		ug/L			11/30/20 21:17	1
1,2-Dichlorobenzene	ND		1.0		ug/L			11/30/20 21:17	1
1,2-Dichloroethane	ND		0.50		ug/L			11/30/20 21:17	1
1,2-Dichloropropane	ND		1.0		ug/L			11/30/20 21:17	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			11/30/20 21:17	1
1,3-Dichlorobenzene	ND		1.0		ug/L			11/30/20 21:17	1
1,3-Dichloropropane	ND		1.0		ug/L			11/30/20 21:17	1
1,4-Dichlorobenzene	ND		1.0		ug/L			11/30/20 21:17	1
2,2-Dichloropropane	ND		1.0		ug/L			11/30/20 21:17	1
2-Butanone	ND		20		ug/L			11/30/20 21:17	1
2-Chlorotoluene	ND		1.0		ug/L			11/30/20 21:17	1
2-Hexanone	ND		10		ug/L			11/30/20 21:17	1
4-Chlorotoluene	ND		1.0		ug/L			11/30/20 21:17	1
4-Methyl-2-pentanone	ND		10		ug/L			11/30/20 21:17	1
Acetone	ND		20		ug/L			11/30/20 21:17	1
Benzene	ND		0.50		ug/L			11/30/20 21:17	1
Bromobenzene	ND		1.0		ug/L			11/30/20 21:17	1
Bromochloromethane	ND		2.0		ug/L			11/30/20 21:17	1
Bromodichloromethane	ND		1.0		ug/L			11/30/20 21:17	1
Bromoform	ND		5.0		ug/L			11/30/20 21:17	1
Bromomethane	ND		25		ug/L			11/30/20 21:17	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			11/30/20 21:17	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			11/30/20 21:17	1
Carbon disulfide	ND		10		ug/L			11/30/20 21:17	1
Carbon tetrachloride	ND		0.50		ug/L			11/30/20 21:17	1
Chlorobenzene	ND		1.0		ug/L			11/30/20 21:17	1
Chloroethane	ND		5.0		ug/L			11/30/20 21:17	1
Chloroform	ND		1.0		ug/L			11/30/20 21:17	1
Chloromethane	ND		10		ug/L			11/30/20 21:17	1
Dibromochloromethane	ND		2.0		ug/L			11/30/20 21:17	1
Dibromomethane	ND		1.0		ug/L			11/30/20 21:17	1
Dichlorodifluoromethane	ND		5.0		ug/L			11/30/20 21:17	1
Di-isopropyl ether (DIPE)	ND		2.0		ug/L			11/30/20 21:17	1
Ethanol	ND		100		ug/L			11/30/20 21:17	1
Ethylbenzene	ND		1.0		ug/L			11/30/20 21:17	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			11/30/20 21:17	1
Isopropylbenzene	ND		1.0		ug/L			11/30/20 21:17	1
Methylene Chloride	ND		10		ug/L			11/30/20 21:17	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			11/30/20 21:17	1
Naphthalene	ND		10		ug/L			11/30/20 21:17	1

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

Client Sample ID: TB_20201125
Date Collected: 11/25/20 00:00
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		1.0		ug/L			11/30/20 21:17	1
N-Propylbenzene	ND		1.0		ug/L			11/30/20 21:17	1
o-Xylene	ND		1.0		ug/L			11/30/20 21:17	1
m,p-Xylene	ND		2.0		ug/L			11/30/20 21:17	1
p-Isopropyltoluene	ND		1.0		ug/L			11/30/20 21:17	1
sec-Butylbenzene	ND		1.0		ug/L			11/30/20 21:17	1
Styrene	ND		1.0		ug/L			11/30/20 21:17	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			11/30/20 21:17	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			11/30/20 21:17	1
Tert-amyl-methyl ether (TAME)	ND		2.0		ug/L			11/30/20 21:17	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			11/30/20 21:17	1
tert-Butylbenzene	ND		1.0		ug/L			11/30/20 21:17	1
Tetrachloroethene	ND		1.0		ug/L			11/30/20 21:17	1
Toluene	ND		1.0		ug/L			11/30/20 21:17	1
Trichloroethene	ND		1.0		ug/L			11/30/20 21:17	1
Trichlorofluoromethane	ND		10		ug/L			11/30/20 21:17	1
Vinyl acetate	ND		10		ug/L			11/30/20 21:17	1
Vinyl chloride	ND		0.50		ug/L			11/30/20 21:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 129*		*11/30/20 21:17*	*1*
4-Bromofluorobenzene (Surr)	*127*	*X*	*77 - 120*		*11/30/20 21:17*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 128*		*11/30/20 21:17*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/30/20 21:17*	*1*

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

Client Sample ID: MC-SV-8_2
Date Collected: 11/25/20 09:22
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
1,2-Dichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
1,3-Dichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
1,4-Dichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
1,6,7-Trimethylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 14:49	1
1-Methylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
1-Methylphenanthrene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 14:49	1
2,4,5-Trichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
2,4,6-Trichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
2,4-Dichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
2,4-Dinitrophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
2,4-Dinitrotoluene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
2,6-Dichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
2,6-Dimethylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 14:49	1
2,6-Dinitrotoluene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
2-Chloronaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
2-Chlorophenol	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
2-Methylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
2-Methylphenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
2-Nitroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
2-Nitrophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
3,3'-Dichlorobenzidine	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
3/4-Methylphenol	ND		0.10		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
3-Nitroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
4,6-Dinitro-2-methylphenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
4-Bromophenyl phenyl ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
4-Chloro-3-methylphenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
4-Chloroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
4-Chlorophenyl phenyl ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
4-Nitroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
4-Nitrophenol	ND		0.50		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Acenaphthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Acenaphthylene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Aniline	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Anthracene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Azobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Benzidine	ND	*1	0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Benzo[a]anthracene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Benzo[a]pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Benzo[e]pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 14:49	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Benzoic acid	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Benzyl alcohol	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Biphenyl	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 14:49	1
Bis(2-chloroethoxy)methane	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Bis(2-chloroethyl)ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1

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

Client Sample ID: MC-SV-8_2
Date Collected: 11/25/20 09:22
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-Chloroisopropyl) ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Bis(2-ethylhexyl) phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Butyl benzyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Chrysene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
DCPA	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 14:49	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Dibenzofuran	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Dibenzothiophene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 14:49	1
Diethyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Dimethyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Di-n-butyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Di-n-octyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Fluoranthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Fluorene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Hexachloro-1,3-butadiene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Hexachlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Hexachlorocyclopentadiene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Hexachloroethane	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Isophorone	ND		0.50		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Naphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Nitrobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
N-Nitrosodimethylamine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
N-Nitrosodi-n-propylamine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
N-Nitrosodiphenylamine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Pentachlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Perthane	**0.033**		0.010		mg/Kg		11/30/20 17:20	12/02/20 14:49	1
Perylene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 14:49	1
Phenanthrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Phenol	**0.010**		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1
Pyridine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*53*		*16 - 132*	*11/30/20 17:20*	*12/01/20 18:04*	*1*
2,4,6-Tribromophenol (Surr)	*49*		*16 - 132*	*11/30/20 17:20*	*12/02/20 14:49*	*1*
2-Fluorophenol (Surr)	*72*		*13 - 120*	*11/30/20 17:20*	*12/01/20 18:04*	*1*
2-Fluorophenol (Surr)	*76*		*13 - 120*	*11/30/20 17:20*	*12/02/20 14:49*	*1*
Nitrobenzene-d5 (Surr)	*59*		*14 - 120*	*11/30/20 17:20*	*12/01/20 18:04*	*1*
Nitrobenzene-d5 (Surr)	*48*		*14 - 120*	*11/30/20 17:20*	*12/02/20 14:49*	*1*
Phenol-d6 (Surr)	*72*		*12 - 120*	*11/30/20 17:20*	*12/01/20 18:04*	*1*
Phenol-d6 (Surr)	*70*		*12 - 120*	*11/30/20 17:20*	*12/02/20 14:49*	*1*
p-Terphenyl-d14 (Surr)	*67*		*24 - 120*	*11/30/20 17:20*	*12/01/20 18:04*	*1*
p-Terphenyl-d14 (Surr)	*73*		*24 - 120*	*11/30/20 17:20*	*12/02/20 14:49*	*1*
2-Fluorobiphenyl (Surr)	*63*		*19 - 120*	*11/30/20 17:20*	*12/01/20 18:04*	*1*
2-Fluorobiphenyl (Surr)	*63*		*19 - 120*	*11/30/20 17:20*	*12/02/20 14:49*	*1*

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

Client Sample ID: MC-SV-8_5
Date Collected: 11/25/20 09:31
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
1,2-Dichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
1,3-Dichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
1,4-Dichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
1,6,7-Trimethylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 15:08	1
1-Methylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
1-Methylphenanthrene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 15:08	1
2,4,5-Trichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
2,4,6-Trichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
2,4-Dichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
2,4-Dinitrophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
2,4-Dinitrotoluene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
2,6-Dichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
2,6-Dimethylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 15:08	1
2,6-Dinitrotoluene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
2-Chloronaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
2-Chlorophenol	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
2-Methylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
2-Methylphenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
2-Nitroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
2-Nitrophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
3,3'-Dichlorobenzidine	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
3/4-Methylphenol	ND		0.10		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
3-Nitroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
4,6-Dinitro-2-methylphenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
4-Bromophenyl phenyl ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
4-Chloro-3-methylphenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
4-Chloroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
4-Chlorophenyl phenyl ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
4-Nitroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
4-Nitrophenol	ND		0.50		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Acenaphthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Acenaphthylene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Aniline	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Anthracene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Azobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Benzidine	ND	*1	0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Benzo[a]anthracene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Benzo[a]pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Benzo[e]pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 15:08	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Benzoic acid	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Benzyl alcohol	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Biphenyl	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 15:08	1
Bis(2-chloroethoxy)methane	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Bis(2-chloroethyl)ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1

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

Client Sample ID: MC-SV-8_5
Date Collected: 11/25/20 09:31
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-Chloroisopropyl) ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Bis(2-ethylhexyl) phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Butyl benzyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Chrysene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
DCPA	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 15:08	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Dibenzofuran	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Dibenzothiophene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 15:08	1
Diethyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Dimethyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Di-n-butyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Di-n-octyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Fluoranthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Fluorene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Hexachloro-1,3-butadiene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Hexachlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Hexachlorocyclopentadiene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Hexachloroethane	**0.010**		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Isophorone	ND		0.50		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Naphthalene	**0.030**		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Nitrobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
N-Nitrosodimethylamine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
N-Nitrosodi-n-propylamine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
N-Nitrosodiphenylamine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Pentachlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Perthane	**0.012**		0.010		mg/Kg		11/30/20 17:20	12/02/20 15:08	1
Perylene	ND		0.010		mg/Kg		11/30/20 17:20	12/02/20 15:08	1
Phenanthrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Phenol	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1
Pyridine	**0.013**		0.010		mg/Kg		11/30/20 17:20	12/01/20 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*63*		*16 - 132*	*11/30/20 17:20*	*12/01/20 18:22*	*1*
2,4,6-Tribromophenol (Surr)	*55*		*16 - 132*	*11/30/20 17:20*	*12/02/20 15:08*	*1*
2-Fluorophenol (Surr)	*88*		*13 - 120*	*11/30/20 17:20*	*12/01/20 18:22*	*1*
2-Fluorophenol (Surr)	*90*		*13 - 120*	*11/30/20 17:20*	*12/02/20 15:08*	*1*
Nitrobenzene-d5 (Surr)	*71*		*14 - 120*	*11/30/20 17:20*	*12/01/20 18:22*	*1*
Nitrobenzene-d5 (Surr)	*54*		*14 - 120*	*11/30/20 17:20*	*12/02/20 15:08*	*1*
Phenol-d6 (Surr)	*85*		*12 - 120*	*11/30/20 17:20*	*12/01/20 18:22*	*1*
Phenol-d6 (Surr)	*82*		*12 - 120*	*11/30/20 17:20*	*12/02/20 15:08*	*1*
p-Terphenyl-d14 (Surr)	*79*		*24 - 120*	*11/30/20 17:20*	*12/01/20 18:22*	*1*
p-Terphenyl-d14 (Surr)	*85*		*24 - 120*	*11/30/20 17:20*	*12/02/20 15:08*	*1*
2-Fluorobiphenyl (Surr)	*73*		*19 - 120*	*11/30/20 17:20*	*12/01/20 18:22*	*1*
2-Fluorobiphenyl (Surr)	*72*		*19 - 120*	*11/30/20 17:20*	*12/02/20 15:08*	*1*

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

Client Sample ID: MC-SV-4_10
Date Collected: 11/25/20 07:44
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:08	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:08	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:08	1
C9-C10	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:08	1
C11-C12	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:08	1
C13-C14	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:08	1
C15-C16	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:08	1
C17-C18	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:08	1
C19-C20	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:08	1
C21-C22	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:08	1
C23-C24	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:08	1
C25-C28	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:08	1
C29-C32	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:08	1
C33-C36	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:08	1
C37-C40	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:08	1
C41-C44	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:08	1
C6-C44	**15**		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*92*		*61 - 145*	*12/01/20 14:28*	*12/03/20 00:08*	*1*

Client Sample ID: MC-SV-1_2
Date Collected: 11/25/20 08:24
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.1		mg/Kg		12/01/20 14:28	12/03/20 00:29	1
C7 as C7	ND		5.1		mg/Kg		12/01/20 14:28	12/03/20 00:29	1
C8 as C8	ND		5.1		mg/Kg		12/01/20 14:28	12/03/20 00:29	1
C9-C10	ND		5.1		mg/Kg		12/01/20 14:28	12/03/20 00:29	1
C11-C12	ND		5.1		mg/Kg		12/01/20 14:28	12/03/20 00:29	1
C13-C14	ND		5.1		mg/Kg		12/01/20 14:28	12/03/20 00:29	1
C15-C16	ND		5.1		mg/Kg		12/01/20 14:28	12/03/20 00:29	1
C17-C18	ND		5.1		mg/Kg		12/01/20 14:28	12/03/20 00:29	1
C19-C20	ND		5.1		mg/Kg		12/01/20 14:28	12/03/20 00:29	1
C21-C22	ND		5.1		mg/Kg		12/01/20 14:28	12/03/20 00:29	1
C23-C24	ND		5.1		mg/Kg		12/01/20 14:28	12/03/20 00:29	1
C25-C28	ND		5.1		mg/Kg		12/01/20 14:28	12/03/20 00:29	1
C29-C32	**6.4**		5.1		mg/Kg		12/01/20 14:28	12/03/20 00:29	1
C33-C36	**7.0**		5.1		mg/Kg		12/01/20 14:28	12/03/20 00:29	1
C37-C40	**7.2**		5.1		mg/Kg		12/01/20 14:28	12/03/20 00:29	1
C41-C44	**6.6**		5.1		mg/Kg		12/01/20 14:28	12/03/20 00:29	1
C6-C44	**28**		5.1		mg/Kg		12/01/20 14:28	12/03/20 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*94*		*61 - 145*	*12/01/20 14:28*	*12/03/20 00:29*	*1*

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

Client Sample ID: MC-SV-1_5
Date Collected: 11/25/20 08:29
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:48	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:48	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:48	1
C9-C10	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:48	1
C11-C12	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:48	1
C13-C14	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:48	1
C15-C16	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:48	1
C17-C18	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:48	1
C19-C20	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:48	1
C21-C22	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:48	1
C23-C24	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:48	1
C25-C28	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:48	1
C29-C32	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:48	1
C33-C36	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:48	1
C37-C40	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:48	1
C41-C44	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:48	1
C6-C44	**6.7**		5.0		mg/Kg		12/01/20 14:28	12/03/20 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*90*		*61 - 145*	*12/01/20 14:28*	*12/03/20 00:48*	*1*

Client Sample ID: MC-SV-8_2
Date Collected: 11/25/20 09:22
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:09	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:09	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:09	1
C9-C10	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:09	1
C11-C12	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:09	1
C13-C14	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:09	1
C15-C16	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:09	1
C17-C18	**5.9**		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:09	1
C19-C20	**6.0**		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:09	1
C21-C22	**7.2**		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:09	1
C23-C24	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:09	1
C25-C28	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:09	1
C29-C32	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:09	1
C33-C36	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:09	1
C37-C40	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:09	1
C41-C44	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:09	1
C6-C44	**20**		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*84*		*61 - 145*	*12/01/20 14:28*	*12/03/20 01:09*	*1*

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

Client Sample ID: MC-SV-8_5
Date Collected: 11/25/20 09:31
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:29	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:29	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:29	1
C9-C10	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:29	1
C11-C12	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:29	1
C13-C14	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:29	1
C15-C16	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:29	1
C17-C18	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:29	1
C19-C20	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:29	1
C21-C22	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:29	1
C23-C24	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:29	1
C25-C28	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:29	1
C29-C32	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:29	1
C33-C36	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:29	1
C37-C40	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:29	1
C41-C44	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:29	1
C6-C44	ND		5.0		mg/Kg		12/01/20 14:28	12/03/20 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*85*		*61 - 145*	*12/01/20 14:28*	*12/03/20 01:29*	*1*

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

Client Sample ID: MC-SV-8_2
Date Collected: 11/25/20 09:22
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/25/20 18:22	12/01/20 02:14	1
Aroclor-1221	ND		50		ug/Kg		11/25/20 18:22	12/01/20 02:14	1
Aroclor-1232	ND		50		ug/Kg		11/25/20 18:22	12/01/20 02:14	1
Aroclor-1242	ND		50		ug/Kg		11/25/20 18:22	12/01/20 02:14	1
Aroclor-1248	ND		50		ug/Kg		11/25/20 18:22	12/01/20 02:14	1
Aroclor-1254	ND		50		ug/Kg		11/25/20 18:22	12/01/20 02:14	1
Aroclor-1260	ND		50		ug/Kg		11/25/20 18:22	12/01/20 02:14	1
Aroclor-1262	ND		50		ug/Kg		11/25/20 18:22	12/01/20 02:14	1
Aroclor-1268	ND		50		ug/Kg		11/25/20 18:22	12/01/20 02:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*20 - 155*	*11/25/20 18:22*	*12/01/20 02:14*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*25 - 126*	*11/25/20 18:22*	*12/01/20 02:14*	*1*

Client Sample ID: MC-SV-8_5
Date Collected: 11/25/20 09:31
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/25/20 18:23	12/01/20 02:32	1
Aroclor-1221	ND		50		ug/Kg		11/25/20 18:23	12/01/20 02:32	1
Aroclor-1232	ND		50		ug/Kg		11/25/20 18:23	12/01/20 02:32	1
Aroclor-1242	ND		50		ug/Kg		11/25/20 18:23	12/01/20 02:32	1
Aroclor-1248	ND		50		ug/Kg		11/25/20 18:23	12/01/20 02:32	1
Aroclor-1254	ND		50		ug/Kg		11/25/20 18:23	12/01/20 02:32	1
Aroclor-1260	ND		50		ug/Kg		11/25/20 18:23	12/01/20 02:32	1
Aroclor-1262	ND		50		ug/Kg		11/25/20 18:23	12/01/20 02:32	1
Aroclor-1268	ND		50		ug/Kg		11/25/20 18:23	12/01/20 02:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*20 - 155*	*11/25/20 18:23*	*12/01/20 02:32*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*25 - 126*	*11/25/20 18:23*	*12/01/20 02:32*	*1*

Method: 6010B - Metals (ICP)

Client Sample ID: MC-SV-8_2
Date Collected: 11/25/20 09:22
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.242		mg/Kg		12/02/20 17:00	12/03/20 09:46	1
Arsenic	**0.840**		0.725		mg/Kg		12/02/20 17:00	12/03/20 09:46	1
Barium	**88.9**		0.483		mg/Kg		12/02/20 17:00	12/03/20 09:46	1
Beryllium	**0.736**		0.242		mg/Kg		12/02/20 17:00	12/03/20 09:46	1
Cadmium	ND		0.483		mg/Kg		12/02/20 17:00	12/03/20 09:46	1
Cobalt	**7.66**		0.242		mg/Kg		12/02/20 17:00	12/03/20 09:46	1
Chromium	**15.3**		0.242		mg/Kg		12/02/20 17:00	12/03/20 09:46	1
Copper	**8.52**		0.483		mg/Kg		12/02/20 17:00	12/03/20 09:46	1
Molybdenum	ND	L	0.242		mg/Kg		12/02/20 17:00	12/03/20 09:46	1
Nickel	**11.6**		0.242		mg/Kg		12/02/20 17:00	12/03/20 09:46	1
Antimony	ND		0.725		mg/Kg		12/02/20 17:00	12/03/20 09:46	1
Selenium	ND		0.725		mg/Kg		12/02/20 17:00	12/03/20 09:46	1
Thallium	ND		0.725		mg/Kg		12/02/20 17:00	12/03/20 09:46	1
Vanadium	**33.9**		0.242		mg/Kg		12/02/20 17:00	12/03/20 09:46	1
Zinc	**31.9**		0.966		mg/Kg		12/02/20 17:00	12/03/20 09:46	1
Lead	**2.33**		0.483		mg/Kg		12/02/20 17:00	12/03/20 09:46	1

Client Sample ID: MC-SV-8_5
Date Collected: 11/25/20 09:31
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44801-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND	L	0.253		mg/Kg		12/02/20 17:00	12/03/20 09:48	1
Arsenic	**1.74**		0.758		mg/Kg		12/02/20 17:00	12/03/20 09:48	1
Barium	**53.8**		0.505		mg/Kg		12/02/20 17:00	12/03/20 09:48	1
Beryllium	**0.701**		0.253		mg/Kg		12/02/20 17:00	12/03/20 09:48	1
Cadmium	ND		0.505		mg/Kg		12/02/20 17:00	12/03/20 09:48	1
Cobalt	**7.33**		0.253		mg/Kg		12/02/20 17:00	12/03/20 09:48	1
Chromium	**14.5**		0.253		mg/Kg		12/02/20 17:00	12/03/20 09:48	1
Copper	**7.44**		0.505		mg/Kg		12/02/20 17:00	12/03/20 09:48	1
Molybdenum	ND	L	0.253		mg/Kg		12/02/20 17:00	12/03/20 09:48	1
Nickel	**12.7**		0.253		mg/Kg		12/02/20 17:00	12/03/20 09:48	1
Antimony	ND		0.758		mg/Kg		12/02/20 17:00	12/03/20 09:48	1
Selenium	ND		0.758		mg/Kg		12/02/20 17:00	12/03/20 09:48	1
Thallium	ND		0.758		mg/Kg		12/02/20 17:00	12/03/20 09:48	1
Vanadium	**31.3**		0.253		mg/Kg		12/02/20 17:00	12/03/20 09:48	1
Zinc	**31.8**		1.01		mg/Kg		12/02/20 17:00	12/03/20 09:48	1
Lead	**1.73**		0.505		mg/Kg		12/02/20 17:00	12/03/20 09:48	1

Client: Avocet Environmental Inc
Job ID: 570-44801-1
Project/Site: Fairview Development Center / 1431.005

Method: 7471A - Mercury (CVAA)

Client Sample ID: MC-SV-8_2
Date Collected: 11/25/20 09:22
Date Received: 11/25/20 16:49
Lab Sample ID: 570-44801-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0862		mg/Kg		12/02/20 17:00	12/03/20 12:15	1

Client Sample ID: MC-SV-8_5
Date Collected: 11/25/20 09:31
Date Received: 11/25/20 16:49
Lab Sample ID: 570-44801-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		12/02/20 17:00	12/03/20 12:17	1

Surrogate Summary

Client: Avocet Environmental Inc
Project/Site: Fairview Development Center / 1431.005

Job ID: 570-44801-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(71-155)	(80-120)	(79-133)	(80-120)
570-44801-1	MC-SV-4_10	111	98	89	98
570-44801-3	MC-SV-1_2	110	97	100	100
570-44801-4	MC-SV-1_5	105	99	98	99
570-44801-7	MC-SV-8_2	107	99	103	100
570-44801-8	MC-SV-8_5	110	98	103	98
LCS 570-112753/4	Lab Control Sample	91	98	101	99
LCS 570-112974/3	Lab Control Sample	102	97	101	100
LCSD 570-112753/5	Lab Control Sample Dup	90	96	97	100
LCSD 570-112974/4	Lab Control Sample Dup	104	97	102	100
MB 570-112753/7	Method Blank	91	97	97	98
MB 570-112974/6	Method Blank	107	97	93	97

Surrogate Legend

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

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-129)	(77-120)	(80-128)	(80-120)
570-44801-11	EB_20201125	105	101	107	99
570-44801-12	TB_20201125	107	127 X	105	98
LCS 570-112933/3	Lab Control Sample	106	98	107	88
LCSD 570-112933/4	Lab Control Sample Dup	101	99	99	100
MB 570-112933/9	Method Blank	101	97	101	99

Surrogate Legend

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

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

Matrix: Water — **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-129)	(77-120)	(80-128)	(80-120)
440-275005-B-1-C MS	Matrix Spike	103	101	103	95
440-275005-B-1-C MSD	Matrix Spike Duplicate	112	102	103	97

Surrogate Legend

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

Surrogate Summary

Client: Avocet Environmental Inc
Job ID: 570-44801-1
Project/Site: Fairview Development Center / 1431.005

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

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TBP (16-132)	2FP (13-120)	NBZ (14-120)	PHL6 (12-120)	TPHd14 (24-120)	FBP (19-120)
570-44564-D-3-D MS	Matrix Spike	85	94	82	98	85	80
570-44564-D-3-E MSD	Matrix Spike Duplicate	76	91	76	91	78	71
570-44801-7	MC-SV-8_2	53	72	59	72	67	63
570-44801-7	MC-SV-8_2	49	76	48	70	73	63
570-44801-8	MC-SV-8_5	63	88	71	85	79	73
570-44801-8	MC-SV-8_5	55	90	54	82	85	72
LCS 570-112944/2-A	Lab Control Sample	89	99	91	101	94	83
LCSD 570-112944/3-A	Lab Control Sample Dup	92	104	94	106	97	87
MB 570-112944/1-A	Method Blank	81	96	87	96	89	84

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL6 = Phenol-d6 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
FBP = 2-Fluorobiphenyl (Surr)

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

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTCSN1 (61-145)
570-44200-F-10-A MS	Matrix Spike	91
570-44200-F-10-B MSD	Matrix Spike Duplicate	94
570-44801-1	MC-SV-4_10	92
570-44801-3	MC-SV-1_2	94
570-44801-4	MC-SV-1_5	90
570-44801-7	MC-SV-8_2	84
570-44801-8	MC-SV-8_5	85
LCS 570-113159/2-A	Lab Control Sample	136
LCSD 570-113159/3-A	Lab Control Sample Dup	90
MB 570-113159/1-A	Method Blank	95

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCB1 (20-155)	TCX1 (25-126)
440-275342-E-1-C MS	Matrix Spike	75	79
440-275342-E-1-D MSD	Matrix Spike Duplicate	79	84
570-44801-7	MC-SV-8_2	79	83
570-44801-8	MC-SV-8_5	75	79
LCS 570-112507/2-A	Lab Control Sample	84	89
LCSD 570-112507/3-A	Lab Control Sample Dup	82	83
MB 570-112507/1-A	Method Blank	82	88

Surrogate Summary

Client: Avocet Environmental Inc
Project/Site: Fairview Development Center / 1431.005

Job ID: 570-44801-1

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

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

Lab Sample ID: MB 570-112753/7
Matrix: Solid
Analysis Batch: 112753

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg			11/30/20 11:31	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg			11/30/20 11:31	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			11/30/20 11:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg			11/30/20 11:31	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg			11/30/20 11:31	1
1,1-Dichloroethane	ND		1.0		ug/Kg			11/30/20 11:31	1
1,1-Dichloroethene	ND		1.0		ug/Kg			11/30/20 11:31	1
1,1-Dichloropropene	ND		2.0		ug/Kg			11/30/20 11:31	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg			11/30/20 11:31	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg			11/30/20 11:31	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg			11/30/20 11:31	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			11/30/20 11:31	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			11/30/20 11:31	1
1,2-Dibromoethane	ND		1.0		ug/Kg			11/30/20 11:31	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg			11/30/20 11:31	1
1,2-Dichloroethane	ND		1.0		ug/Kg			11/30/20 11:31	1
1,2-Dichloropropane	ND		1.0		ug/Kg			11/30/20 11:31	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			11/30/20 11:31	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg			11/30/20 11:31	1
1,3-Dichloropropane	ND		1.0		ug/Kg			11/30/20 11:31	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg			11/30/20 11:31	1
2,2-Dichloropropane	ND		5.0		ug/Kg			11/30/20 11:31	1
2-Butanone	ND		20		ug/Kg			11/30/20 11:31	1
2-Chlorotoluene	ND		1.0		ug/Kg			11/30/20 11:31	1
2-Hexanone	ND		20		ug/Kg			11/30/20 11:31	1
4-Chlorotoluene	ND		1.0		ug/Kg			11/30/20 11:31	1
4-Methyl-2-pentanone	ND		20		ug/Kg			11/30/20 11:31	1
Acetone	ND		20		ug/Kg			11/30/20 11:31	1
Benzene	ND		1.0		ug/Kg			11/30/20 11:31	1
Bromobenzene	ND		1.0		ug/Kg			11/30/20 11:31	1
Bromochloromethane	ND		2.0		ug/Kg			11/30/20 11:31	1
Bromodichloromethane	ND		1.0		ug/Kg			11/30/20 11:31	1
Bromoform	ND		5.0		ug/Kg			11/30/20 11:31	1
Bromomethane	ND		20		ug/Kg			11/30/20 11:31	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg			11/30/20 11:31	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg			11/30/20 11:31	1
Carbon disulfide	ND		10		ug/Kg			11/30/20 11:31	1
Carbon tetrachloride	ND		1.0		ug/Kg			11/30/20 11:31	1
Chlorobenzene	ND		1.0		ug/Kg			11/30/20 11:31	1
Chloroethane	ND		2.0		ug/Kg			11/30/20 11:31	1
Chloroform	ND		1.0		ug/Kg			11/30/20 11:31	1
Chloromethane	ND		20		ug/Kg			11/30/20 11:31	1
Dibromochloromethane	ND		2.0		ug/Kg			11/30/20 11:31	1
Dibromomethane	ND		1.0		ug/Kg			11/30/20 11:31	1
Dichlorodifluoromethane	ND		2.0		ug/Kg			11/30/20 11:31	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg			11/30/20 11:31	1
Ethanol	ND		250		ug/Kg			11/30/20 11:31	1
Ethylbenzene	ND		1.0		ug/Kg			11/30/20 11:31	1

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

Lab Sample ID: MB 570-112753/7
Matrix: Solid
Analysis Batch: 112753

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg			11/30/20 11:31	1
Isopropylbenzene	ND		1.0		ug/Kg			11/30/20 11:31	1
Methylene Chloride	ND		10		ug/Kg			11/30/20 11:31	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg			11/30/20 11:31	1
Naphthalene	ND		10		ug/Kg			11/30/20 11:31	1
n-Butylbenzene	ND		1.0		ug/Kg			11/30/20 11:31	1
N-Propylbenzene	ND		2.0		ug/Kg			11/30/20 11:31	1
o-Xylene	ND		1.0		ug/Kg			11/30/20 11:31	1
m,p-Xylene	ND		2.0		ug/Kg			11/30/20 11:31	1
p-Isopropyltoluene	ND		1.0		ug/Kg			11/30/20 11:31	1
sec-Butylbenzene	ND		1.0		ug/Kg			11/30/20 11:31	1
Styrene	ND		1.0		ug/Kg			11/30/20 11:31	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg			11/30/20 11:31	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			11/30/20 11:31	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg			11/30/20 11:31	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg			11/30/20 11:31	1
tert-Butylbenzene	ND		1.0		ug/Kg			11/30/20 11:31	1
Tetrachloroethene	ND		1.0		ug/Kg			11/30/20 11:31	1
Toluene	ND		1.0		ug/Kg			11/30/20 11:31	1
Trichloroethene	ND		2.0		ug/Kg			11/30/20 11:31	1
Trichlorofluoromethane	ND		10		ug/Kg			11/30/20 11:31	1
Vinyl acetate	ND		10		ug/Kg			11/30/20 11:31	1
Vinyl chloride	ND		1.0		ug/Kg			11/30/20 11:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*71 - 155*		*11/30/20 11:31*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*11/30/20 11:31*	*1*
Dibromofluoromethane (Surr)	*97*		*79 - 133*		*11/30/20 11:31*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/30/20 11:31*	*1*

Lab Sample ID: LCS 570-112753/4
Matrix: Solid
Analysis Batch: 112753

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	43.16		ug/Kg		86	71 - 125
1,2-Dibromoethane	50.0	46.30		ug/Kg		93	80 - 120
1,2-Dichlorobenzene	50.0	47.22		ug/Kg		94	80 - 120
1,2-Dichloroethane	50.0	45.99		ug/Kg		92	79 - 121
Benzene	50.0	42.88		ug/Kg		86	79 - 120
Carbon tetrachloride	50.0	43.71		ug/Kg		87	58 - 142
Chlorobenzene	50.0	47.46		ug/Kg		95	80 - 120
Di-isopropyl ether (DIPE)	50.0	38.74		ug/Kg		77	65 - 131
Ethanol	500	405.9		ug/Kg		81	32 - 158
Ethylbenzene	50.0	44.71		ug/Kg		89	57 - 153
Ethyl-t-butyl ether (ETBE)	50.0	38.48		ug/Kg		77	58 - 136
Methyl-t-Butyl Ether (MTBE)	50.0	40.52		ug/Kg		81	64 - 124
o-Xylene	50.0	43.31		ug/Kg		87	79 - 127

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

Lab Sample ID: LCS 570-112753/4
Matrix: Solid
Analysis Batch: 112753

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
m,p-Xylene			100	92.62		ug/Kg		93	80 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*71 - 155*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*79 - 133*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 570-112753/5
Matrix: Solid
Analysis Batch: 112753

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			50.0	42.79		ug/Kg		86	71 - 125	1	20
1,2-Dibromoethane			50.0	46.61		ug/Kg		93	80 - 120	1	20
1,2-Dichlorobenzene			50.0	47.30		ug/Kg		95	80 - 120	0	20
1,2-Dichloroethane			50.0	47.33		ug/Kg		95	79 - 121	3	20
Benzene			50.0	42.61		ug/Kg		85	79 - 120	1	20
Carbon tetrachloride			50.0	43.32		ug/Kg		87	58 - 142	1	20
Chlorobenzene			50.0	46.80		ug/Kg		94	80 - 120	1	20
Di-isopropyl ether (DIPE)			50.0	39.08		ug/Kg		78	65 - 131	1	20
Ethanol			500	427.1		ug/Kg		85	32 - 158	5	27
Ethylbenzene			50.0	43.87		ug/Kg		88	57 - 153	2	20
Ethyl-t-butyl ether (ETBE)			50.0	39.06		ug/Kg		78	58 - 136	2	20
Methyl-t-Butyl Ether (MTBE)			50.0	41.11		ug/Kg		82	64 - 124	1	20
o-Xylene			50.0	42.87		ug/Kg		86	79 - 127	1	20
m,p-Xylene			100	91.28		ug/Kg		91	80 - 122	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*71 - 155*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*79 - 133*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 570-112933/9
Matrix: Water
Analysis Batch: 112933

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			11/30/20 20:00	1
1,1,1-Trichloroethane	ND		1.0		ug/L			11/30/20 20:00	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			11/30/20 20:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			11/30/20 20:00	1
1,1,2-Trichloroethane	ND		1.0		ug/L			11/30/20 20:00	1
1,1-Dichloroethane	ND		1.0		ug/L			11/30/20 20:00	1
1,1-Dichloroethene	ND		1.0		ug/L			11/30/20 20:00	1
1,1-Dichloropropene	ND		1.0		ug/L			11/30/20 20:00	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			11/30/20 20:00	1

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

Lab Sample ID: MB 570-112933/9
Matrix: Water
Analysis Batch: 112933

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		5.0		ug/L			11/30/20 20:00	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			11/30/20 20:00	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			11/30/20 20:00	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			11/30/20 20:00	1
1,2-Dibromoethane	ND		1.0		ug/L			11/30/20 20:00	1
1,2-Dichlorobenzene	ND		1.0		ug/L			11/30/20 20:00	1
1,2-Dichloroethane	ND		0.50		ug/L			11/30/20 20:00	1
1,2-Dichloropropane	ND		1.0		ug/L			11/30/20 20:00	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			11/30/20 20:00	1
1,3-Dichlorobenzene	ND		1.0		ug/L			11/30/20 20:00	1
1,3-Dichloropropane	ND		1.0		ug/L			11/30/20 20:00	1
1,4-Dichlorobenzene	ND		1.0		ug/L			11/30/20 20:00	1
2,2-Dichloropropane	ND		1.0		ug/L			11/30/20 20:00	1
2-Butanone	ND		20		ug/L			11/30/20 20:00	1
2-Chlorotoluene	ND		1.0		ug/L			11/30/20 20:00	1
2-Hexanone	ND		10		ug/L			11/30/20 20:00	1
4-Chlorotoluene	ND		1.0		ug/L			11/30/20 20:00	1
4-Methyl-2-pentanone	ND		10		ug/L			11/30/20 20:00	1
Acetone	ND		20		ug/L			11/30/20 20:00	1
Benzene	ND		0.50		ug/L			11/30/20 20:00	1
Bromobenzene	ND		1.0		ug/L			11/30/20 20:00	1
Bromochloromethane	ND		2.0		ug/L			11/30/20 20:00	1
Bromodichloromethane	ND		1.0		ug/L			11/30/20 20:00	1
Bromoform	ND		5.0		ug/L			11/30/20 20:00	1
Bromomethane	ND		25		ug/L			11/30/20 20:00	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			11/30/20 20:00	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			11/30/20 20:00	1
Carbon disulfide	ND		10		ug/L			11/30/20 20:00	1
Carbon tetrachloride	ND		0.50		ug/L			11/30/20 20:00	1
Chlorobenzene	ND		1.0		ug/L			11/30/20 20:00	1
Chloroethane	ND		5.0		ug/L			11/30/20 20:00	1
Chloroform	ND		1.0		ug/L			11/30/20 20:00	1
Chloromethane	ND		10		ug/L			11/30/20 20:00	1
Dibromochloromethane	ND		2.0		ug/L			11/30/20 20:00	1
Dibromomethane	ND		1.0		ug/L			11/30/20 20:00	1
Dichlorodifluoromethane	ND		5.0		ug/L			11/30/20 20:00	1
Di-isopropyl ether (DIPE)	ND		2.0		ug/L			11/30/20 20:00	1
Ethanol	ND		100		ug/L			11/30/20 20:00	1
Ethylbenzene	ND		1.0		ug/L			11/30/20 20:00	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			11/30/20 20:00	1
Isopropylbenzene	ND		1.0		ug/L			11/30/20 20:00	1
Methylene Chloride	ND		10		ug/L			11/30/20 20:00	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			11/30/20 20:00	1
Naphthalene	ND		10		ug/L			11/30/20 20:00	1
n-Butylbenzene	ND		1.0		ug/L			11/30/20 20:00	1
N-Propylbenzene	ND		1.0		ug/L			11/30/20 20:00	1
o-Xylene	ND		1.0		ug/L			11/30/20 20:00	1
m,p-Xylene	ND		2.0		ug/L			11/30/20 20:00	1
p-Isopropyltoluene	ND		1.0		ug/L			11/30/20 20:00	1

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

Lab Sample ID: MB 570-112933/9
Matrix: Water
Analysis Batch: 112933

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0		ug/L			11/30/20 20:00	1
Styrene	ND		1.0		ug/L			11/30/20 20:00	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			11/30/20 20:00	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			11/30/20 20:00	1
Tert-amyl-methyl ether (TAME)	ND		2.0		ug/L			11/30/20 20:00	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			11/30/20 20:00	1
tert-Butylbenzene	ND		1.0		ug/L			11/30/20 20:00	1
Tetrachloroethene	ND		1.0		ug/L			11/30/20 20:00	1
Toluene	ND		1.0		ug/L			11/30/20 20:00	1
Trichloroethene	ND		1.0		ug/L			11/30/20 20:00	1
Trichlorofluoromethane	ND		10		ug/L			11/30/20 20:00	1
Vinyl acetate	ND		10		ug/L			11/30/20 20:00	1
Vinyl chloride	ND		0.50		ug/L			11/30/20 20:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 129*		*11/30/20 20:00*	*1*
4-Bromofluorobenzene (Surr)	*97*		*77 - 120*		*11/30/20 20:00*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 128*		*11/30/20 20:00*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/30/20 20:00*	*1*

Lab Sample ID: LCS 570-112933/3
Matrix: Water
Analysis Batch: 112933

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	47.38		ug/L		95	64 - 136
1,2-Dibromoethane	50.0	50.93		ug/L		102	80 - 120
1,2-Dichlorobenzene	50.0	49.04		ug/L		98	80 - 120
1,2-Dichloroethane	50.0	45.41		ug/L		91	75 - 123
Benzene	50.0	47.14		ug/L		94	78 - 120
Carbon tetrachloride	50.0	51.92		ug/L		104	67 - 139
Chlorobenzene	50.0	48.68		ug/L		97	80 - 120
Di-isopropyl ether (DIPE)	50.0	56.05		ug/L		112	72 - 132
Ethanol	500	437.0		ug/L		87	56 - 150
Ethylbenzene	50.0	50.58		ug/L		101	80 - 120
Ethyl-t-butyl ether (ETBE)	50.0	53.55		ug/L		107	74 - 122
Methyl-t-Butyl Ether (MTBE)	50.0	56.63		ug/L		113	77 - 120
o-Xylene	50.0	48.94		ug/L		98	80 - 125
m,p-Xylene	100	92.90		ug/L		93	80 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 129*
4-Bromofluorobenzene (Surr)	*98*		*77 - 120*
Dibromofluoromethane (Surr)	*107*		*80 - 128*
Toluene-d8 (Surr)	*88*		*80 - 120*

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

Lab Sample ID: LCSD 570-112933/4
Matrix: Water
Analysis Batch: 112933

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			50.0	48.85		ug/L		98	64 - 136	3	30
1,2-Dibromoethane			50.0	52.39		ug/L		105	80 - 120	3	30
1,2-Dichlorobenzene			50.0	50.87		ug/L		102	80 - 120	4	20
1,2-Dichloroethane			50.0	51.60		ug/L		103	75 - 123	13	24
Benzene			50.0	53.72		ug/L		107	78 - 120	13	21
Carbon tetrachloride			50.0	52.72		ug/L		105	67 - 139	2	30
Chlorobenzene			50.0	51.27		ug/L		103	80 - 120	5	20
Di-isopropyl ether (DIPE)			50.0	54.25		ug/L		108	72 - 132	3	29
Ethanol			500	510.4		ug/L		102	56 - 150	16	30
Ethylbenzene			50.0	52.38		ug/L		105	80 - 120	4	20
Ethyl-t-butyl ether (ETBE)			50.0	51.95		ug/L		104	74 - 122	3	27
Methyl-t-Butyl Ether (MTBE)			50.0	51.46		ug/L		103	77 - 120	10	24
o-Xylene			50.0	50.24		ug/L		100	80 - 125	3	20
m,p-Xylene			100	97.71		ug/L		98	80 - 125	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 129*
4-Bromofluorobenzene (Surr)	*99*		*77 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 128*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 570-112974/6
Matrix: Solid
Analysis Batch: 112974

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg			11/30/20 23:03	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg			11/30/20 23:03	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			11/30/20 23:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg			11/30/20 23:03	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg			11/30/20 23:03	1
1,1-Dichloroethane	ND		1.0		ug/Kg			11/30/20 23:03	1
1,1-Dichloroethene	ND		1.0		ug/Kg			11/30/20 23:03	1
1,1-Dichloropropene	ND		2.0		ug/Kg			11/30/20 23:03	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg			11/30/20 23:03	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg			11/30/20 23:03	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg			11/30/20 23:03	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			11/30/20 23:03	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			11/30/20 23:03	1
1,2-Dibromoethane	ND		1.0		ug/Kg			11/30/20 23:03	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg			11/30/20 23:03	1
1,2-Dichloroethane	ND		1.0		ug/Kg			11/30/20 23:03	1
1,2-Dichloropropane	ND		1.0		ug/Kg			11/30/20 23:03	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			11/30/20 23:03	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg			11/30/20 23:03	1
1,3-Dichloropropane	ND		1.0		ug/Kg			11/30/20 23:03	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg			11/30/20 23:03	1
2,2-Dichloropropane	ND		5.0		ug/Kg			11/30/20 23:03	1

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

Lab Sample ID: MB 570-112974/6
Matrix: Solid
Analysis Batch: 112974

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		20		ug/Kg			11/30/20 23:03	1
2-Chlorotoluene	ND		1.0		ug/Kg			11/30/20 23:03	1
2-Hexanone	ND		20		ug/Kg			11/30/20 23:03	1
4-Chlorotoluene	ND		1.0		ug/Kg			11/30/20 23:03	1
4-Methyl-2-pentanone	ND		20		ug/Kg			11/30/20 23:03	1
Acetone	ND		20		ug/Kg			11/30/20 23:03	1
Benzene	ND		1.0		ug/Kg			11/30/20 23:03	1
Bromobenzene	ND		1.0		ug/Kg			11/30/20 23:03	1
Bromochloromethane	ND		2.0		ug/Kg			11/30/20 23:03	1
Bromodichloromethane	ND		1.0		ug/Kg			11/30/20 23:03	1
Bromoform	ND		5.0		ug/Kg			11/30/20 23:03	1
Bromomethane	ND		20		ug/Kg			11/30/20 23:03	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg			11/30/20 23:03	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg			11/30/20 23:03	1
Carbon disulfide	ND		10		ug/Kg			11/30/20 23:03	1
Carbon tetrachloride	ND		1.0		ug/Kg			11/30/20 23:03	1
Chlorobenzene	ND		1.0		ug/Kg			11/30/20 23:03	1
Chloroethane	ND		2.0		ug/Kg			11/30/20 23:03	1
Chloroform	ND		1.0		ug/Kg			11/30/20 23:03	1
Chloromethane	ND		20		ug/Kg			11/30/20 23:03	1
Dibromochloromethane	ND		2.0		ug/Kg			11/30/20 23:03	1
Dibromomethane	ND		1.0		ug/Kg			11/30/20 23:03	1
Dichlorodifluoromethane	ND		2.0		ug/Kg			11/30/20 23:03	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg			11/30/20 23:03	1
Ethanol	ND		250		ug/Kg			11/30/20 23:03	1
Ethylbenzene	ND		1.0		ug/Kg			11/30/20 23:03	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg			11/30/20 23:03	1
Isopropylbenzene	ND		1.0		ug/Kg			11/30/20 23:03	1
Methylene Chloride	ND		10		ug/Kg			11/30/20 23:03	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg			11/30/20 23:03	1
Naphthalene	ND		10		ug/Kg			11/30/20 23:03	1
n-Butylbenzene	ND		1.0		ug/Kg			11/30/20 23:03	1
N-Propylbenzene	ND		2.0		ug/Kg			11/30/20 23:03	1
o-Xylene	ND		1.0		ug/Kg			11/30/20 23:03	1
m,p-Xylene	ND		2.0		ug/Kg			11/30/20 23:03	1
p-Isopropyltoluene	ND		1.0		ug/Kg			11/30/20 23:03	1
sec-Butylbenzene	ND		1.0		ug/Kg			11/30/20 23:03	1
Styrene	ND		1.0		ug/Kg			11/30/20 23:03	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg			11/30/20 23:03	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			11/30/20 23:03	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg			11/30/20 23:03	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg			11/30/20 23:03	1
tert-Butylbenzene	ND		1.0		ug/Kg			11/30/20 23:03	1
Tetrachloroethene	ND		1.0		ug/Kg			11/30/20 23:03	1
Toluene	ND		1.0		ug/Kg			11/30/20 23:03	1
Trichloroethene	ND		2.0		ug/Kg			11/30/20 23:03	1
Trichlorofluoromethane	ND		10		ug/Kg			11/30/20 23:03	1
Vinyl acetate	ND		10		ug/Kg			11/30/20 23:03	1
Vinyl chloride	ND		1.0		ug/Kg			11/30/20 23:03	1

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*107*		*71 - 155*		*11/30/20 23:03*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*11/30/20 23:03*	*1*
Dibromofluoromethane (Surr)	*93*		*79 - 133*		*11/30/20 23:03*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/30/20 23:03*	*1*

Lab Sample ID: LCS 570-112974/3
Matrix: Solid
Analysis Batch: 112974

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethene			50.0	51.42		ug/Kg		103	71 - 125		
1,2-Dibromoethane			50.0	52.93		ug/Kg		106	80 - 120		
1,2-Dichlorobenzene			50.0	52.98		ug/Kg		106	80 - 120		
1,2-Dichloroethane			50.0	57.11		ug/Kg		114	79 - 121		
Benzene			50.0	49.31		ug/Kg		99	79 - 120		
Carbon tetrachloride			50.0	56.38		ug/Kg		113	58 - 142		
Chlorobenzene			50.0	53.12		ug/Kg		106	80 - 120		
Di-isopropyl ether (DIPE)			50.0	48.97		ug/Kg		98	65 - 131		
Ethanol			500	590.0		ug/Kg		118	32 - 158		
Ethylbenzene			50.0	52.04		ug/Kg		104	57 - 153		
Ethyl-t-butyl ether (ETBE)			50.0	47.93		ug/Kg		96	58 - 136		
Methyl-t-Butyl Ether (MTBE)			50.0	49.12		ug/Kg		98	64 - 124		
o-Xylene			50.0	52.12		ug/Kg		104	79 - 127		
m,p-Xylene			100	103.5		ug/Kg		104	80 - 122		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*102*		*71 - 155*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*79 - 133*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 570-112974/4
Matrix: Solid
Analysis Batch: 112974

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			50.0	50.37		ug/Kg		101	71 - 125	2	20
1,2-Dibromoethane			50.0	51.57		ug/Kg		103	80 - 120	3	20
1,2-Dichlorobenzene			50.0	51.53		ug/Kg		103	80 - 120	3	20
1,2-Dichloroethane			50.0	55.86		ug/Kg		112	79 - 121	2	20
Benzene			50.0	48.14		ug/Kg		96	79 - 120	2	20
Carbon tetrachloride			50.0	55.75		ug/Kg		112	58 - 142	1	20
Chlorobenzene			50.0	51.84		ug/Kg		104	80 - 120	2	20
Di-isopropyl ether (DIPE)			50.0	48.49		ug/Kg		97	65 - 131	1	20
Ethanol			500	587.3		ug/Kg		117	32 - 158	0	27
Ethylbenzene			50.0	50.67		ug/Kg		101	57 - 153	3	20
Ethyl-t-butyl ether (ETBE)			50.0	47.20		ug/Kg		94	58 - 136	2	20
Methyl-t-Butyl Ether (MTBE)			50.0	48.65		ug/Kg		97	64 - 124	1	20
o-Xylene			50.0	50.60		ug/Kg		101	79 - 127	3	20
m,p-Xylene			100	101.1		ug/Kg		101	80 - 122	2	20

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

Lab Sample ID: LCSD 570-112974/4
Matrix: Solid
Analysis Batch: 112974

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		71 - 155
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	102		79 - 133
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: 440-275005-B-1-C MS
Matrix: Water
Analysis Batch: 112933

Client Sample ID: Matrix Spike
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		5000	5411		ug/L		108	64 - 142
1,2-Dibromoethane	ND		5000	5433		ug/L		109	75 - 125
1,2-Dichlorobenzene	ND		5000	5344		ug/L		107	75 - 125
1,2-Dichloroethane	ND		5000	5347		ug/L		107	75 - 125
Benzene	360		5000	6063		ug/L		114	75 - 125
Carbon tetrachloride	ND		5000	5491		ug/L		110	73 - 145
Chlorobenzene	ND		5000	5417		ug/L		108	75 - 125
Di-isopropyl ether (DIPE)	ND		5000	5615		ug/L		112	75 - 136
Ethanol	ND		50000	52440		ug/L		105	46 - 166
Ethylbenzene	ND		5000	5613		ug/L		112	75 - 125
Ethyl-t-butyl ether (ETBE)	ND		5000	5124		ug/L		102	73 - 127
Methyl-t-Butyl Ether (MTBE)	ND		5000	4621		ug/L		92	75 - 128
o-Xylene	370		5000	5788		ug/L		108	75 - 136
m,p-Xylene	710		10000	11290		ug/L		106	75 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 129
4-Bromofluorobenzene (Surr)	101		77 - 120
Dibromofluoromethane (Surr)	103		80 - 128
Toluene-d8 (Surr)	95		80 - 120

Lab Sample ID: 440-275005-B-1-C MSD
Matrix: Water
Analysis Batch: 112933

Client Sample ID: Matrix Spike Duplicate
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		5000	6408		ug/L		128	64 - 142	17	22
1,2-Dibromoethane	ND		5000	5463		ug/L		109	75 - 125	1	20
1,2-Dichlorobenzene	ND		5000	5283		ug/L		106	75 - 125	1	20
1,2-Dichloroethane	ND		5000	5564		ug/L		111	75 - 125	4	20
Benzene	360		5000	6018		ug/L		113	75 - 125	1	20
Carbon tetrachloride	ND		5000	5808		ug/L		116	73 - 145	6	20
Chlorobenzene	ND		5000	5345		ug/L		107	75 - 125	1	20
Di-isopropyl ether (DIPE)	ND		5000	5500		ug/L		110	75 - 136	2	20
Ethanol	ND		50000	53620		ug/L		107	46 - 166	2	26
Ethylbenzene	ND		5000	5598		ug/L		112	75 - 125	0	20
Ethyl-t-butyl ether (ETBE)	ND		5000	5203		ug/L		104	73 - 127	2	20
Methyl-t-Butyl Ether (MTBE)	ND		5000	5379		ug/L		108	75 - 128	15	20

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

Lab Sample ID: 440-275005-B-1-C MSD
Matrix: Water
Analysis Batch: 112933

Client Sample ID: Matrix Spike Duplicate
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o-Xylene	370		5000	5883		ug/L		110	75 - 136	2	20
m,p-Xylene	710		10000	11180		ug/L		105	75 - 133	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 129*
4-Bromofluorobenzene (Surr)	*102*		*77 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 128*
Toluene-d8 (Surr)	*97*		*80 - 120*

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

Lab Sample ID: MB 570-112944/1-A
Matrix: Solid
Analysis Batch: 113173

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112944

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
1,2-Dichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
1,3-Dichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
1,4-Dichlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
1-Methylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2,4,5-Trichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2,4,6-Trichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2,4-Dichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2,4-Dinitrophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2,4-Dinitrotoluene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2,6-Dichlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2,6-Dinitrotoluene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2-Chloronaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2-Chlorophenol	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2-Methylnaphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2-Methylphenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2-Nitroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
2-Nitrophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
3,3'-Dichlorobenzidine	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
3/4-Methylphenol	ND		0.10		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
3-Nitroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
4,6-Dinitro-2-methylphenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
4-Bromophenyl phenyl ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
4-Chloro-3-methylphenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
4-Chloroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
4-Chlorophenyl phenyl ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
4-Nitroaniline	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
4-Nitrophenol	ND		0.50		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Acenaphthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Acenaphthylene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Aniline	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Anthracene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1

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

Lab Sample ID: MB 570-112944/1-A
Matrix: Solid
Analysis Batch: 113173

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112944

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Azobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Benzidine	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Benzo[a]anthracene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Benzo[a]pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Benzoic acid	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Benzyl alcohol	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Bis(2-chloroethoxy)methane	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Bis(2-chloroethyl)ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
bis (2-Chloroisopropyl) ether	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Bis(2-ethylhexyl) phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Butyl benzyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Chrysene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Dibenzofuran	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Diethyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Dimethyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Di-n-butyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Di-n-octyl phthalate	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Fluoranthene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Fluorene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Hexachloro-1,3-butadiene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Hexachlorobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Hexachlorocyclopentadiene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Hexachloroethane	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Isophorone	ND		0.50		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Naphthalene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Nitrobenzene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
N-Nitrosodimethylamine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
N-Nitrosodi-n-propylamine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
N-Nitrosodiphenylamine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Pentachlorophenol	ND		0.25		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Phenanthrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Phenol	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Pyrene	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1
Pyridine	ND		0.010		mg/Kg		11/30/20 17:20	12/01/20 15:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*16 - 132*	*11/30/20 17:20*	*12/01/20 15:56*	*1*
2-Fluorophenol (Surr)	*96*		*13 - 120*	*11/30/20 17:20*	*12/01/20 15:56*	*1*
Nitrobenzene-d5 (Surr)	*87*		*14 - 120*	*11/30/20 17:20*	*12/01/20 15:56*	*1*
Phenol-d6 (Surr)	*96*		*12 - 120*	*11/30/20 17:20*	*12/01/20 15:56*	*1*
p-Terphenyl-d14 (Surr)	*89*		*24 - 120*	*11/30/20 17:20*	*12/01/20 15:56*	*1*
2-Fluorobiphenyl (Surr)	*84*		*19 - 120*	*11/30/20 17:20*	*12/01/20 15:56*	*1*

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

Lab Sample ID: LCS 570-112944/2-A
Matrix: Solid
Analysis Batch: 113173

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112944

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,6-Trichlorophenol			1.00	0.8526		mg/Kg		85	35 - 132		
2,4-Dichlorophenol			1.00	0.9892		mg/Kg		99	43 - 130		
2-Methylphenol			1.00	0.9815		mg/Kg		98	38 - 127		
2-Nitrophenol			1.00	1.061		mg/Kg		106	28 - 149		
4-Chloro-3-methylphenol			1.00	0.9663		mg/Kg		97	36 - 136		
Acenaphthene			1.00	0.9213		mg/Kg		92	37 - 126		
Benzo[a]pyrene			1.00	0.9720		mg/Kg		97	48 - 137		
Chrysene			1.00	0.9332		mg/Kg		93	47 - 130		
Dimethyl phthalate			1.00	0.9145		mg/Kg		91	35 - 131		
Di-n-butyl phthalate			1.00	0.9607		mg/Kg		96	43 - 139		
Fluoranthene			1.00	0.9504		mg/Kg		95	47 - 135		
Fluorene			1.00	0.9545		mg/Kg		95	36 - 134		
Naphthalene			1.00	0.9856		mg/Kg		99	41 - 126		
Phenanthrene			1.00	0.9170		mg/Kg		92	43 - 125		
Phenol			1.00	1.046		mg/Kg		105	34 - 125		
Pyrene			1.00	0.9431		mg/Kg		94	46 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*89*		*16 - 132*
2-Fluorophenol (Surr)	*99*		*13 - 120*
Nitrobenzene-d5 (Surr)	*91*		*14 - 120*
Phenol-d6 (Surr)	*101*		*12 - 120*
p-Terphenyl-d14 (Surr)	*94*		*24 - 120*
2-Fluorobiphenyl (Surr)	*83*		*19 - 120*

Lab Sample ID: LCSD 570-112944/3-A
Matrix: Solid
Analysis Batch: 113173

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112944

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,6-Trichlorophenol			1.00	0.9132		mg/Kg		91	35 - 132	7	26
2,4-Dichlorophenol			1.00	1.045		mg/Kg		105	43 - 130	6	24
2-Methylphenol			1.00	1.057		mg/Kg		106	38 - 127	7	27
2-Nitrophenol			1.00	1.122		mg/Kg		112	28 - 149	6	30
4-Chloro-3-methylphenol			1.00	1.025		mg/Kg		103	36 - 136	6	24
Acenaphthene			1.00	0.9508		mg/Kg		95	37 - 126	3	21
Benzo[a]pyrene			1.00	1.011		mg/Kg		101	48 - 137	4	25
Chrysene			1.00	0.9880		mg/Kg		99	47 - 130	6	21
Dimethyl phthalate			1.00	0.9438		mg/Kg		94	35 - 131	3	20
Di-n-butyl phthalate			1.00	0.9725		mg/Kg		97	43 - 139	1	25
Fluoranthene			1.00	0.9664		mg/Kg		97	47 - 135	2	25
Fluorene			1.00	0.9712		mg/Kg		97	36 - 134	2	22
Naphthalene			1.00	1.022		mg/Kg		102	41 - 126	4	23
Phenanthrene			1.00	0.9611		mg/Kg		96	43 - 125	5	19
Phenol			1.00	1.110		mg/Kg		111	34 - 125	6	24
Pyrene			1.00	0.9912		mg/Kg		99	46 - 129	5	22

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

Lab Sample ID: LCSD 570-112944/3-A
Matrix: Solid
Analysis Batch: 113173

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112944

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*92*		*16 - 132*
2-Fluorophenol (Surr)	*104*		*13 - 120*
Nitrobenzene-d5 (Surr)	*94*		*14 - 120*
Phenol-d6 (Surr)	*106*		*12 - 120*
p-Terphenyl-d14 (Surr)	*97*		*24 - 120*
2-Fluorobiphenyl (Surr)	*87*		*19 - 120*

Lab Sample ID: 570-44564-D-3-D MS
Matrix: Solid
Analysis Batch: 113173

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 112944

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,6-Trichlorophenol	ND		0.999	0.8332		mg/Kg		83	24 - 133
2,4-Dichlorophenol	ND		0.999	0.9414		mg/Kg		94	31 - 130
2-Methylphenol	ND		0.999	0.9779		mg/Kg		98	20 - 128
2-Nitrophenol	ND		0.999	0.9979		mg/Kg		100	19 - 143
4-Chloro-3-methylphenol	ND		0.999	0.9305		mg/Kg		93	38 - 130
Acenaphthene	ND		0.999	0.8646		mg/Kg		87	36 - 125
Benzo[a]pyrene	ND		0.999	0.8990		mg/Kg		90	25 - 172
Chrysene	ND		0.999	0.8819		mg/Kg		88	28 - 158
Dimethyl phthalate	ND		0.999	0.8897		mg/Kg		89	30 - 125
Di-n-butyl phthalate	ND		0.999	0.9270		mg/Kg		93	28 - 142
Fluoranthene	ND		0.999	0.9040		mg/Kg		90	14 - 175
Fluorene	ND		0.999	0.9250		mg/Kg		93	40 - 125
Naphthalene	ND		0.999	0.9087		mg/Kg		91	33 - 125
Phenanthrene	ND		0.999	0.8955		mg/Kg		90	18 - 150
Phenol	ND		0.999	0.9888		mg/Kg		98	23 - 125
Pyrene	ND		0.999	0.8849		mg/Kg		89	30 - 154

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*85*		*16 - 132*
2-Fluorophenol (Surr)	*94*		*13 - 120*
Nitrobenzene-d5 (Surr)	*82*		*14 - 120*
Phenol-d6 (Surr)	*98*		*12 - 120*
p-Terphenyl-d14 (Surr)	*85*		*24 - 120*
2-Fluorobiphenyl (Surr)	*80*		*19 - 120*

Lab Sample ID: 570-44564-D-3-E MSD
Matrix: Solid
Analysis Batch: 113173

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 112944

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,6-Trichlorophenol	ND		0.999	0.7299		mg/Kg		73	24 - 133	13	28
2,4-Dichlorophenol	ND		0.999	0.8742		mg/Kg		88	31 - 130	7	25
2-Methylphenol	ND		0.999	0.9431		mg/Kg		94	20 - 128	4	26
2-Nitrophenol	ND		0.999	0.9136		mg/Kg		91	19 - 143	9	28
4-Chloro-3-methylphenol	ND		0.999	0.8496		mg/Kg		85	38 - 130	9	22
Acenaphthene	ND		0.999	0.7745		mg/Kg		78	36 - 125	11	29

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

Lab Sample ID: 570-44564-D-3-E MSD
Matrix: Solid
Analysis Batch: 113173

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 112944

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]pyrene	ND		0.999	0.7811		mg/Kg		78	25 - 172	14	27
Chrysene	ND		0.999	0.7849		mg/Kg		79	28 - 158	12	27
Dimethyl phthalate	ND		0.999	0.7590		mg/Kg		76	30 - 125	16	21
Di-n-butyl phthalate	ND		0.999	0.7880		mg/Kg		79	28 - 142	16	24
Fluoranthene	ND		0.999	0.7691		mg/Kg		77	14 - 175	16	23
Fluorene	ND		0.999	0.7893		mg/Kg		79	40 - 125	16	24
Naphthalene	ND		0.999	0.8409		mg/Kg		84	33 - 125	8	28
Phenanthrene	ND		0.999	0.7976		mg/Kg		80	18 - 150	12	22
Phenol	ND		0.999	0.9290		mg/Kg		92	23 - 125	6	25
Pyrene	ND		0.999	0.8023		mg/Kg		80	30 - 154	10	29

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*76*		*16 - 132*
2-Fluorophenol (Surr)	*91*		*13 - 120*
Nitrobenzene-d5 (Surr)	*76*		*14 - 120*
Phenol-d6 (Surr)	*91*		*12 - 120*
p-Terphenyl-d14 (Surr)	*78*		*24 - 120*
2-Fluorobiphenyl (Surr)	*71*		*19 - 120*

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

Lab Sample ID: MB 570-113159/1-A
Matrix: Solid
Analysis Batch: 113347

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113159

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 14:28	12/02/20 19:02	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 14:28	12/02/20 19:02	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 14:28	12/02/20 19:02	1
C9-C10	ND		5.0		mg/Kg		12/01/20 14:28	12/02/20 19:02	1
C11-C12	ND		5.0		mg/Kg		12/01/20 14:28	12/02/20 19:02	1
C13-C14	ND		5.0		mg/Kg		12/01/20 14:28	12/02/20 19:02	1
C15-C16	ND		5.0		mg/Kg		12/01/20 14:28	12/02/20 19:02	1
C17-C18	ND		5.0		mg/Kg		12/01/20 14:28	12/02/20 19:02	1
C19-C20	ND		5.0		mg/Kg		12/01/20 14:28	12/02/20 19:02	1
C21-C22	ND		5.0		mg/Kg		12/01/20 14:28	12/02/20 19:02	1
C23-C24	ND		5.0		mg/Kg		12/01/20 14:28	12/02/20 19:02	1
C25-C28	ND		5.0		mg/Kg		12/01/20 14:28	12/02/20 19:02	1
C29-C32	ND		5.0		mg/Kg		12/01/20 14:28	12/02/20 19:02	1
C33-C36	ND		5.0		mg/Kg		12/01/20 14:28	12/02/20 19:02	1
C37-C40	ND		5.0		mg/Kg		12/01/20 14:28	12/02/20 19:02	1
C41-C44	ND		5.0		mg/Kg		12/01/20 14:28	12/02/20 19:02	1
C6-C44	ND		5.0		mg/Kg		12/01/20 14:28	12/02/20 19:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*95*		*61 - 145*	*12/01/20 14:28*	*12/02/20 19:02*	*1*

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

Lab Sample ID: LCS 570-113159/2-A
Matrix: Solid
Analysis Batch: 113347

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113159

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			400	428.2		mg/Kg		107	67 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*136*		*61 - 145*

Lab Sample ID: LCSD 570-113159/3-A
Matrix: Solid
Analysis Batch: 113347

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113159

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			400	416.9		mg/Kg		104	67 - 121	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*90*		*61 - 145*

Lab Sample ID: 570-44200-F-10-A MS
Matrix: Solid
Analysis Batch: 113347

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 113159

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	12		403	460.9		mg/Kg		111	33 - 153		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*91*		*61 - 145*

Lab Sample ID: 570-44200-F-10-B MSD
Matrix: Solid
Analysis Batch: 113347

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 113159

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	12		396	419.7		mg/Kg		103	33 - 153	9	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*94*		*61 - 145*

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

Lab Sample ID: MB 570-112507/1-A
Matrix: Solid
Analysis Batch: 112714

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/25/20 18:22	11/30/20 20:15	1
Aroclor-1221	ND		50		ug/Kg		11/25/20 18:22	11/30/20 20:15	1
Aroclor-1232	ND		50		ug/Kg		11/25/20 18:22	11/30/20 20:15	1

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

Lab Sample ID: MB 570-112507/1-A
Matrix: Solid
Analysis Batch: 112714

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1242	ND		50		ug/Kg		11/25/20 18:22	11/30/20 20:15	1
Aroclor-1248	ND		50		ug/Kg		11/25/20 18:22	11/30/20 20:15	1
Aroclor-1254	ND		50		ug/Kg		11/25/20 18:22	11/30/20 20:15	1
Aroclor-1260	ND		50		ug/Kg		11/25/20 18:22	11/30/20 20:15	1
Aroclor-1262	ND		50		ug/Kg		11/25/20 18:22	11/30/20 20:15	1
Aroclor-1268	ND		50		ug/Kg		11/25/20 18:22	11/30/20 20:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*20 - 155*	*11/25/20 18:22*	*11/30/20 20:15*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*25 - 126*	*11/25/20 18:22*	*11/30/20 20:15*	*1*

Lab Sample ID: LCS 570-112507/2-A
Matrix: Solid
Analysis Batch: 112714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112507

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			100	114.8		ug/Kg		115	50 - 142		
Aroclor-1260			100	103.9		ug/Kg		104	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*84*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*89*		*25 - 126*

Lab Sample ID: LCSD 570-112507/3-A
Matrix: Solid
Analysis Batch: 112714

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112507

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016			100	114.0		ug/Kg		114	50 - 142	1	30
Aroclor-1260			100	103.3		ug/Kg		103	50 - 150	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*82*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*83*		*25 - 126*

Lab Sample ID: 440-275342-E-1-C MS
Matrix: Solid
Analysis Batch: 112714

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 112507

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016	ND		99.7	103.2		ug/Kg		104	20 - 175		
Aroclor-1260	ND		99.7	95.89		ug/Kg		96	20 - 180		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*75*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*79*		*25 - 126*

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

Lab Sample ID: 440-275342-E-1-D MSD
Matrix: Solid
Analysis Batch: 112714

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 112507

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		99.7	108.0		ug/Kg		108	20 - 175	5	40
Aroclor-1260	ND		99.7	104.3		ug/Kg		105	20 - 180	8	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*79*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*84*		*25 - 126*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-113470/1-A
Matrix: Solid
Analysis Batch: 113630

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113470

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.248		mg/Kg		12/02/20 17:00	12/03/20 09:33	1
Arsenic	ND		0.743		mg/Kg		12/02/20 17:00	12/03/20 09:33	1
Barium	ND		0.495		mg/Kg		12/02/20 17:00	12/03/20 09:33	1
Beryllium	ND		0.248		mg/Kg		12/02/20 17:00	12/03/20 09:33	1
Cadmium	ND		0.495		mg/Kg		12/02/20 17:00	12/03/20 09:33	1
Cobalt	ND		0.248		mg/Kg		12/02/20 17:00	12/03/20 09:33	1
Chromium	ND		0.248		mg/Kg		12/02/20 17:00	12/03/20 09:33	1
Copper	ND		0.495		mg/Kg		12/02/20 17:00	12/03/20 09:33	1
Molybdenum	ND		0.248		mg/Kg		12/02/20 17:00	12/03/20 09:33	1
Nickel	ND		0.248		mg/Kg		12/02/20 17:00	12/03/20 09:33	1
Antimony	ND		0.743		mg/Kg		12/02/20 17:00	12/03/20 09:33	1
Selenium	ND		0.743		mg/Kg		12/02/20 17:00	12/03/20 09:33	1
Thallium	ND		0.743		mg/Kg		12/02/20 17:00	12/03/20 09:33	1
Vanadium	ND		0.248		mg/Kg		12/02/20 17:00	12/03/20 09:33	1
Zinc	ND		0.990		mg/Kg		12/02/20 17:00	12/03/20 09:33	1
Lead	ND		0.495		mg/Kg		12/02/20 17:00	12/03/20 09:33	1

Lab Sample ID: LCS 570-113470/2-A
Matrix: Solid
Analysis Batch: 113630

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113470

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	12.5	12.39		mg/Kg		99	80 - 120
Arsenic	25.0	24.10		mg/Kg		96	80 - 120
Barium	25.0	26.94		mg/Kg		108	80 - 120
Beryllium	25.0	24.70		mg/Kg		99	80 - 120
Cadmium	25.0	24.72		mg/Kg		99	80 - 120
Cobalt	25.0	25.33		mg/Kg		101	80 - 120
Chromium	25.0	25.50		mg/Kg		102	80 - 120
Copper	25.0	27.55		mg/Kg		110	80 - 120
Molybdenum	25.0	23.90		mg/Kg		96	80 - 120
Nickel	25.0	26.64		mg/Kg		107	80 - 120
Antimony	25.0	25.17		mg/Kg		101	80 - 120
Selenium	25.0	24.03		mg/Kg		96	80 - 120
Thallium	25.0	25.26		mg/Kg		101	80 - 120

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

Lab Sample ID: LCS 570-113470/2-A
Matrix: Solid
Analysis Batch: 113630

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113470

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Vanadium			25.0	25.19		mg/Kg		101	80 - 120		
Zinc			25.0	25.48		mg/Kg		102	80 - 120		
Lead			25.0	25.63		mg/Kg		103	80 - 120		

Lab Sample ID: LCSD 570-113470/3-A
Matrix: Solid
Analysis Batch: 113630

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113470

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver			12.4	12.27		mg/Kg		99	80 - 120	1	20
Arsenic			24.8	24.10		mg/Kg		97	80 - 120	0	20
Barium			24.8	26.56		mg/Kg		107	80 - 120	1	20
Beryllium			24.8	24.08		mg/Kg		97	80 - 120	3	20
Cadmium			24.8	24.24		mg/Kg		98	80 - 120	2	20
Cobalt			24.8	24.82		mg/Kg		100	80 - 120	2	20
Chromium			24.8	25.12		mg/Kg		101	80 - 120	1	20
Copper			24.8	27.32		mg/Kg		110	80 - 120	1	20
Molybdenum			24.8	23.84		mg/Kg		96	80 - 120	0	20
Nickel			24.8	26.08		mg/Kg		105	80 - 120	2	20
Antimony			24.8	24.58		mg/Kg		99	80 - 120	2	20
Selenium			24.8	23.74		mg/Kg		96	80 - 120	1	20
Thallium			24.8	24.83		mg/Kg		100	80 - 120	2	20
Vanadium			24.8	24.94		mg/Kg		101	80 - 120	1	20
Zinc			24.8	24.93		mg/Kg		101	80 - 120	2	20
Lead			24.8	25.17		mg/Kg		102	80 - 120	2	20

Lab Sample ID: 570-44800-A-1-E MS
Matrix: Solid
Analysis Batch: 113630

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 113470

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Silver	ND	L	12.5	12.62		mg/Kg		101	75 - 125		
Arsenic	2.24		25.0	26.19		mg/Kg		96	75 - 125		
Barium	162		25.0	190.7	4	mg/Kg		116	75 - 125		
Beryllium	0.869		25.0	25.70		mg/Kg		99	75 - 125		
Cadmium	ND		25.0	23.74		mg/Kg		93	75 - 125		
Cobalt	12.1		25.0	35.14		mg/Kg		92	75 - 125		
Chromium	15.5		25.0	40.99		mg/Kg		102	75 - 125		
Copper	17.1		25.0	46.31		mg/Kg		117	75 - 125		
Molybdenum	ND	L	25.0	21.93		mg/Kg		88	75 - 125		
Nickel	10.6		25.0	35.54		mg/Kg		100	75 - 125		
Antimony	ND	F1	25.0	5.710	F1	mg/Kg		23	50 - 115		
Selenium	ND		25.0	19.56		mg/Kg		78	75 - 125		
Thallium	ND		25.0	21.28		mg/Kg		85	75 - 125		
Vanadium	48.9		25.0	75.38		mg/Kg		106	75 - 125		
Zinc	66.3		25.0	91.65		mg/Kg		101	75 - 125		
Lead	7.73		25.0	29.73		mg/Kg		88	75 - 125		

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

Lab Sample ID: 570-44800-A-1-F MSD
Matrix: Solid
Analysis Batch: 113630

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 113470

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND	L	12.7	12.94		mg/Kg		102	75 - 125	2	20
Arsenic	2.24		25.4	26.12		mg/Kg		94	75 - 125	0	20
Barium	162		25.4	193.9	4	mg/Kg		127	75 - 125	2	20
Beryllium	0.869		25.4	26.28		mg/Kg		100	75 - 125	2	20
Cadmium	ND		25.4	24.15		mg/Kg		93	75 - 125	2	20
Cobalt	12.1		25.4	35.97		mg/Kg		94	75 - 125	2	20
Chromium	15.5		25.4	41.60		mg/Kg		103	75 - 125	1	20
Copper	17.1		25.4	47.59		mg/Kg		120	75 - 125	3	20
Molybdenum	ND	L	25.4	22.67		mg/Kg		89	75 - 125	3	20
Nickel	10.6		25.4	36.18		mg/Kg		101	75 - 125	2	20
Antimony	ND	F1	25.4	6.876	F1	mg/Kg		27	50 - 115	19	20
Selenium	ND		25.4	20.75		mg/Kg		82	75 - 125	6	20
Thallium	ND		25.4	22.16		mg/Kg		87	75 - 125	4	20
Vanadium	48.9		25.4	76.49		mg/Kg		109	75 - 125	1	20
Zinc	66.3		25.4	93.89		mg/Kg		109	75 - 125	2	20
Lead	7.73		25.4	30.47		mg/Kg		90	75 - 125	2	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-113471/1-A
Matrix: Solid
Analysis Batch: 113667

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113471

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		12/02/20 17:00	12/03/20 12:04	1

Lab Sample ID: LCS 570-113471/2-A
Matrix: Solid
Analysis Batch: 113667

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113471

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.806	0.7503		mg/Kg		93	85 - 121

Lab Sample ID: LCSD 570-113471/3-A
Matrix: Solid
Analysis Batch: 113667

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113471

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.7818		mg/Kg		94	85 - 121	4	10

Lab Sample ID: 570-44800-A-1-H MS
Matrix: Solid
Analysis Batch: 113667

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 113471

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.806	0.7777		mg/Kg		92	71 - 137

Client: Avocet Environmental Inc
Job ID: 570-44801-1
Project/Site: Fairview Development Center / 1431.005

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 570-44800-A-1-I MSD
Matrix: Solid
Analysis Batch: 113667

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 113471

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.806	0.7748		mg/Kg		92	71 - 137	0	14

GC/MS VOA

Leach Batch: 112533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-275005-B-1-C MS	Matrix Spike	TCLP	Water	1311	
440-275005-B-1-C MSD	Matrix Spike Duplicate	TCLP	Water	1311	

Prep Batch: 112550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44801-1	MC-SV-4_10	Total/NA	Solid	5035	
570-44801-3	MC-SV-1_2	Total/NA	Solid	5035	
570-44801-4	MC-SV-1_5	Total/NA	Solid	5035	
570-44801-7	MC-SV-8_2	Total/NA	Solid	5035	
570-44801-8	MC-SV-8_5	Total/NA	Solid	5035	

Analysis Batch: 112753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44801-3	MC-SV-1_2	Total/NA	Solid	8260B	112550
570-44801-4	MC-SV-1_5	Total/NA	Solid	8260B	112550
570-44801-7	MC-SV-8_2	Total/NA	Solid	8260B	112550
570-44801-8	MC-SV-8_5	Total/NA	Solid	8260B	112550
MB 570-112753/7	Method Blank	Total/NA	Solid	8260B	
LCS 570-112753/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-112753/5	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 112933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44801-11	EB_20201125	Total/NA	Water	8260B	
570-44801-12	TB_20201125	Total/NA	Water	8260B	
MB 570-112933/9	Method Blank	Total/NA	Water	8260B	
LCS 570-112933/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-112933/4	Lab Control Sample Dup	Total/NA	Water	8260B	
440-275005-B-1-C MS	Matrix Spike	TCLP	Water	8260B	112533
440-275005-B-1-C MSD	Matrix Spike Duplicate	TCLP	Water	8260B	112533

Analysis Batch: 112974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44801-1	MC-SV-4_10	Total/NA	Solid	8260B	112550
MB 570-112974/6	Method Blank	Total/NA	Solid	8260B	
LCS 570-112974/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-112974/4	Lab Control Sample Dup	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 112944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44801-7	MC-SV-8_2	Total/NA	Solid	3546	
570-44801-8	MC-SV-8_5	Total/NA	Solid	3546	
MB 570-112944/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-112944/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-112944/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
570-44564-D-3-D MS	Matrix Spike	Total/NA	Solid	3546	
570-44564-D-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

GC/MS Semi VOA

Analysis Batch: 113173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44801-7	MC-SV-8_2	Total/NA	Solid	8270C SIM	112944
570-44801-8	MC-SV-8_5	Total/NA	Solid	8270C SIM	112944
MB 570-112944/1-A	Method Blank	Total/NA	Solid	8270C SIM	112944
LCS 570-112944/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	112944
LCSD 570-112944/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C SIM	112944
570-44564-D-3-D MS	Matrix Spike	Total/NA	Solid	8270C SIM	112944
570-44564-D-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8270C SIM	112944

Analysis Batch: 113388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44801-7	MC-SV-8_2	Total/NA	Solid	8270C SIM	112944
570-44801-8	MC-SV-8_5	Total/NA	Solid	8270C SIM	112944

GC Semi VOA

Prep Batch: 112507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44801-7	MC-SV-8_2	Total/NA	Solid	3546	
570-44801-8	MC-SV-8_5	Total/NA	Solid	3546	
MB 570-112507/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-112507/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-112507/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
440-275342-E-1-C MS	Matrix Spike	Total/NA	Solid	3546	
440-275342-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 112714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44801-7	MC-SV-8_2	Total/NA	Solid	8082	112507
570-44801-8	MC-SV-8_5	Total/NA	Solid	8082	112507
MB 570-112507/1-A	Method Blank	Total/NA	Solid	8082	112507
LCS 570-112507/2-A	Lab Control Sample	Total/NA	Solid	8082	112507
LCSD 570-112507/3-A	Lab Control Sample Dup	Total/NA	Solid	8082	112507
440-275342-E-1-C MS	Matrix Spike	Total/NA	Solid	8082	112507
440-275342-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	112507

Prep Batch: 113159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44801-1	MC-SV-4_10	Total/NA	Solid	3550C	
570-44801-3	MC-SV-1_2	Total/NA	Solid	3550C	
570-44801-4	MC-SV-1_5	Total/NA	Solid	3550C	
570-44801-7	MC-SV-8_2	Total/NA	Solid	3550C	
570-44801-8	MC-SV-8_5	Total/NA	Solid	3550C	
MB 570-113159/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-113159/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-113159/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-44200-F-10-A MS	Matrix Spike	Total/NA	Solid	3550C	
570-44200-F-10-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

Analysis Batch: 113347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44801-1	MC-SV-4_10	Total/NA	Solid	8015B	113159

GC Semi VOA (Continued)

Analysis Batch: 113347 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44801-3	MC-SV-1_2	Total/NA	Solid	8015B	113159
570-44801-4	MC-SV-1_5	Total/NA	Solid	8015B	113159
570-44801-7	MC-SV-8_2	Total/NA	Solid	8015B	113159
570-44801-8	MC-SV-8_5	Total/NA	Solid	8015B	113159
MB 570-113159/1-A	Method Blank	Total/NA	Solid	8015B	113159
LCS 570-113159/2-A	Lab Control Sample	Total/NA	Solid	8015B	113159
LCSD 570-113159/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	113159
570-44200-F-10-A MS	Matrix Spike	Total/NA	Solid	8015B	113159
570-44200-F-10-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	113159

Metals

Prep Batch: 113470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44801-7	MC-SV-8_2	Total/NA	Solid	3050B	
570-44801-8	MC-SV-8_5	Total/NA	Solid	3050B	
MB 570-113470/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-113470/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-113470/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-44800-A-1-E MS	Matrix Spike	Total/NA	Solid	3050B	
570-44800-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Prep Batch: 113471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44801-7	MC-SV-8_2	Total/NA	Solid	7471A	
570-44801-8	MC-SV-8_5	Total/NA	Solid	7471A	
MB 570-113471/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-113471/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-113471/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-44800-A-1-H MS	Matrix Spike	Total/NA	Solid	7471A	
570-44800-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	

Analysis Batch: 113630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44801-7	MC-SV-8_2	Total/NA	Solid	6010B	113470
570-44801-8	MC-SV-8_5	Total/NA	Solid	6010B	113470
MB 570-113470/1-A	Method Blank	Total/NA	Solid	6010B	113470
LCS 570-113470/2-A	Lab Control Sample	Total/NA	Solid	6010B	113470
LCSD 570-113470/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	113470
570-44800-A-1-E MS	Matrix Spike	Total/NA	Solid	6010B	113470
570-44800-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	6010B	113470

Analysis Batch: 113667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44801-7	MC-SV-8_2	Total/NA	Solid	7471A	113471
570-44801-8	MC-SV-8_5	Total/NA	Solid	7471A	113471
MB 570-113471/1-A	Method Blank	Total/NA	Solid	7471A	113471
LCS 570-113471/2-A	Lab Control Sample	Total/NA	Solid	7471A	113471
LCSD 570-113471/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	113471
570-44800-A-1-H MS	Matrix Spike	Total/NA	Solid	7471A	113471
570-44800-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	113471

Lab Chronicle

Client: Avocet Environmental Inc
Job ID: 570-44801-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: MC-SV-4_10
Lab Sample ID: 570-44801-1
Date Collected: 11/25/20 07:44
Matrix: Solid
Date Received: 11/25/20 16:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.267 g	5 g	112550	11/25/20 23:16	MGX6	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	112974	11/30/20 23:54	BE5H	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3550C			10.10 g	10.00 mL	113159	12/01/20 14:28	EM5C	ECL 1
Total/NA	Analysis	8015B		1			113347	12/03/20 00:08	UJ3K	ECL 1
	Instrument ID: GC45									

Client Sample ID: MC-SV-1_2
Lab Sample ID: 570-44801-3
Date Collected: 11/25/20 08:24
Matrix: Solid
Date Received: 11/25/20 16:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.386 g	5 g	112550	11/25/20 23:16	MGX6	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	112753	11/30/20 16:48	U4JL	ECL 2
	Instrument ID: GCMSQ									
Total/NA	Prep	3550C			9.88 g	10.00 mL	113159	12/01/20 14:28	EM5C	ECL 1
Total/NA	Analysis	8015B		1			113347	12/03/20 00:29	UJ3K	ECL 1
	Instrument ID: GC45									

Client Sample ID: MC-SV-1_5
Lab Sample ID: 570-44801-4
Date Collected: 11/25/20 08:29
Matrix: Solid
Date Received: 11/25/20 16:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.894 g	5 g	112550	11/25/20 23:16	MGX6	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	112753	11/30/20 17:14	U4JL	ECL 2
	Instrument ID: GCMSQ									
Total/NA	Prep	3550C			10.00 g	10.00 mL	113159	12/01/20 14:28	EM5C	ECL 1
Total/NA	Analysis	8015B		1			113347	12/03/20 00:48	UJ3K	ECL 1
	Instrument ID: GC45									

Client Sample ID: MC-SV-8_2
Lab Sample ID: 570-44801-7
Date Collected: 11/25/20 09:22
Matrix: Solid
Date Received: 11/25/20 16:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.547 g	5 g	112550	11/25/20 23:16	MGX6	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	112753	11/30/20 17:40	U4JL	ECL 2
	Instrument ID: GCMSQ									
Total/NA	Prep	3546			20.01 g	2 mL	112944	11/30/20 17:20	UWEZ	ECL 1
Total/NA	Analysis	8270C SIM		1			113388	12/02/20 14:49	ULLI	ECL 1
	Instrument ID: GCMSEEE									
Total/NA	Prep	3546			20.01 g	2 mL	112944	11/30/20 17:20	UWEZ	ECL 1
Total/NA	Analysis	8270C SIM		1			113173	12/01/20 18:04	ULLI	ECL 1
	Instrument ID: GCMSJJJ									

Lab Chronicle

Client: Avocet Environmental Inc
Job ID: 570-44801-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: MC-SV-8_2
Lab Sample ID: 570-44801-7
Date Collected: 11/25/20 09:22
Matrix: Solid
Date Received: 11/25/20 16:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			9.93 g	10.00 mL	113159	12/01/20 14:28	EM5C	ECL 1
Total/NA	Analysis	8015B		1			113347	12/03/20 01:09	UJ3K	ECL 1
	Instrument ID: GC45									
Total/NA	Prep	3546			20.13 g	10 mL	112507	11/25/20 18:22	USUL	ECL 1
Total/NA	Analysis	8082		1			112714	12/01/20 02:14	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.07 g	100 mL	113470	12/02/20 17:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			113630	12/03/20 09:46	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.58 g	100 mL	113471	12/02/20 17:00	SP7J	ECL 1
Total/NA	Analysis	7471A		1			113667	12/03/20 12:15	MD3A	ECL 1
	Instrument ID: HG8									

Client Sample ID: MC-SV-8_5
Lab Sample ID: 570-44801-8
Date Collected: 11/25/20 09:31
Matrix: Solid
Date Received: 11/25/20 16:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.281 g	5 g	112550	11/25/20 23:16	MGX6	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	112753	11/30/20 18:06	U4JL	ECL 2
	Instrument ID: GCMSQ									
Total/NA	Prep	3546			20.00 g	2 mL	112944	11/30/20 17:20	UWEZ	ECL 1
Total/NA	Analysis	8270C SIM		1			113388	12/02/20 15:08	ULLI	ECL 1
	Instrument ID: GCMSEEE									
Total/NA	Prep	3546			20.00 g	2 mL	112944	11/30/20 17:20	UWEZ	ECL 1
Total/NA	Analysis	8270C SIM		1			113173	12/01/20 18:22	ULLI	ECL 1
	Instrument ID: GCMSJJJ									
Total/NA	Prep	3550C			10.02 g	10.00 mL	113159	12/01/20 14:28	EM5C	ECL 1
Total/NA	Analysis	8015B		1			113347	12/03/20 01:29	UJ3K	ECL 1
	Instrument ID: GC45									
Total/NA	Prep	3546			19.98 g	10 mL	112507	11/25/20 18:23	USUL	ECL 1
Total/NA	Analysis	8082		1			112714	12/01/20 02:32	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.98 g	100 mL	113470	12/02/20 17:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			113630	12/03/20 09:48	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.61 g	100 mL	113471	12/02/20 17:00	SP7J	ECL 1
Total/NA	Analysis	7471A		1			113667	12/03/20 12:17	MD3A	ECL 1
	Instrument ID: HG8									

Lab Chronicle

Client: Avocet Environmental Inc
Job ID: 570-44801-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: EB_20201125
Lab Sample ID: 570-44801-11
Date Collected: 11/25/20 14:35
Matrix: Water
Date Received: 11/25/20 16:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	112933	11/30/20 21:43	NET3	ECL 2
	Instrument ID: GCMSZ									

Client Sample ID: TB_20201125
Lab Sample ID: 570-44801-12
Date Collected: 11/25/20 00:00
Matrix: Water
Date Received: 11/25/20 16:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	112933	11/30/20 21:17	NET3	ECL 2
	Instrument ID: GCMSZ									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Avocet Environmental Inc
Job ID: 570-44801-1
Project/Site: Fairview Development Center / 1431.005

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	State	2944	09-30-21
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

Method Summary

Client: Avocet Environmental Inc
Job ID: 570-44801-1
Project/Site: Fairview Development Center / 1431.005

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
8270C SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	ECL 1
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
6010B	Metals (ICP)	SW846	ECL 1
7471A	Mercury (CVAA)	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1
3546	Microwave Extraction	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL 2
5035	Closed System Purge and Trap	SW846	ECL 2
7471A	Preparation, Mercury	SW846	ECL 1

Protocol References:

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

Laboratory References:

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ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Avocet Environmental Inc
Job ID: 570-44801-1
Project/Site: Fairview Development Center / 1431.005

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-44801-1	MC-SV-4_10	Solid	11/25/20 07:44	11/25/20 16:49	
570-44801-3	MC-SV-1_2	Solid	11/25/20 08:24	11/25/20 16:49	
570-44801-4	MC-SV-1_5	Solid	11/25/20 08:29	11/25/20 16:49	
570-44801-7	MC-SV-8_2	Solid	11/25/20 09:22	11/25/20 16:49	
570-44801-8	MC-SV-8_5	Solid	11/25/20 09:31	11/25/20 16:49	
570-44801-11	EB_20201125	Water	11/25/20 14:35	11/25/20 16:49	
570-44801-12	TB_20201125	Water	11/25/20 00:00	11/25/20 16:49	

AVOCET ENVIRONMENTAL, INC.
1 Technology Drive, Suite C515
Irvine, California 92618-5302
TEL (949) 296-0977
FAX (949) 296-0978

Sheet 1 of 1

CHAIN OF CUSTODY RECORD

Project Information:	Event Name:
Site Name	Fairview Developmental Center
Site Location	Costa Mesa, Ca
Project No.	1431.005
Project Manager	Deke Siren
Sampled By	SRR
Turnaround Time	Standard

ECI Project # 57006451

Sample Identification	Sample Date	Sample Time	Matrix	No. of Cntnrs.	Lab I.D. Number	TPH (C6-44) by EPA 8015B	VOCs by EPA 8260B/5035	SVOCs by EPA 8270 SIM	PCBs by EPA 8082	Title 22 Metals by EPA 6010B7471A	CrVI by EPA 7199	HOLD
~~MC - SV - _2~~												
~~MC - SV - _5~~												
MC - SV - 4 _10	11/25/20	0744	Soil	4	1	X	X					
MC - SV - 4 _15		0756		1	2							X
MC - SV - 1 _2		0824		4	3	X	X					
MC - SV - 1 _5		0829		4	4	X	X					
MC - SV - 1 _10		0839		1	5							X
MC - SV - 1 _15		0851		1	6							X
MC - SV - 8 _2		0922		4	7	X	X	X	X	X		
MC - SV - 8 _5		0931		4	8	X	X	X	X	X		
MC - SV - 8 _10		0939		1	9							X
MC - SV - 8 _15		0947	↓	1	10							X
EB_20201125		14:35	Water	3	11		X					
TB_20201125	↓		Water	3	12		X					

570-44801 Chain of Custody

Relinquished by	Company	Received by	Company
Printed Name: Colton Scott	Avocet Environmental, Inc.	Printed Name: DANNY LE	
Signature: Colton Scott		Signature: Danny Le	
Date: 11/25/20 Time: ~~13:50~~		Date: 11/25/20 Time: ~~13:50~~	
Printed Name:		Printed Name:	
Signature:		Signature:	
Date: 16:49 Time:	11/25/20	Date: 16:49 Time:	11/25/20
Printed Name:		Printed Name:	
Signature:		Signature:	
Date: Time:		Date: Time:	

Sample Receipt		Billing Information	Special Instructions
Total Containers	TAT	Bill To: Philip Miller, P.E. AVOCET ENVIRONMENTAL, INC. 1 Technology Dive, Suite C515 Irvine, CA 92618-5302	Please bill to Avocet. If any questions, please call Scott Ruud at (949) 296-0977 x115.
Temperature °C °F	Lab No.		
COC Seal (Y/N/NA)	Intact (Y/N)		

4.6 / 3.8 SCL

Login Sample Receipt Checklist

Client: Avocet Environmental Inc

Job Number: 570-44801-1

Login Number: 44801

List Number: 1

Creator: Patel, Jayesh

List Source: Eurofins Calscience

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

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-44808-1
Client Project/Site: Fairview Development Center / 1431.005

For:
Avocet Environmental Inc
1 Technology Drive
Suite C515
Irvine, California 92618

Attn: Deke Siren

Virendra R Patel

Authorized for release by:
12/2/2020 10:09:07 AM

Virendra Patel, Project Manager I
(714)895-5494
Virendra.Patel@eurofinset.com

LINKS

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Glossary

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

Job ID: 570-44808-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-44808-1

Comments
No additional comments.

Receipt
The samples were received on 11/25/2020 4:49 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.8º C.

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

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

Detection Summary

Client: Avocet Environmental Inc
Job ID: 570-44808-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: TVB-8_0.5
Lab Sample ID: 570-44808-5

No Detections.

Client Sample ID: TVB-7_0.5
Lab Sample ID: 570-44808-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

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

Client Sample ID: TVB-8_0.5
Date Collected: 11/25/20 10:43
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44808-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/25/20 18:23	12/01/20 02:50	1
Aroclor-1221	ND		50		ug/Kg		11/25/20 18:23	12/01/20 02:50	1
Aroclor-1232	ND		50		ug/Kg		11/25/20 18:23	12/01/20 02:50	1
Aroclor-1242	ND		50		ug/Kg		11/25/20 18:23	12/01/20 02:50	1
Aroclor-1248	ND		50		ug/Kg		11/25/20 18:23	12/01/20 02:50	1
Aroclor-1254	ND		50		ug/Kg		11/25/20 18:23	12/01/20 02:50	1
Aroclor-1260	ND		50		ug/Kg		11/25/20 18:23	12/01/20 02:50	1
Aroclor-1262	ND		50		ug/Kg		11/25/20 18:23	12/01/20 02:50	1
Aroclor-1268	ND		50		ug/Kg		11/25/20 18:23	12/01/20 02:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*20 - 155*	*11/25/20 18:23*	*12/01/20 02:50*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*25 - 126*	*11/25/20 18:23*	*12/01/20 02:50*	*1*

Client Sample ID: TVB-7_0.5
Date Collected: 11/25/20 14:12
Date Received: 11/25/20 16:49

Lab Sample ID: 570-44808-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/25/20 18:23	12/01/20 03:07	1
Aroclor-1221	ND		50		ug/Kg		11/25/20 18:23	12/01/20 03:07	1
Aroclor-1232	ND		50		ug/Kg		11/25/20 18:23	12/01/20 03:07	1
Aroclor-1242	ND		50		ug/Kg		11/25/20 18:23	12/01/20 03:07	1
Aroclor-1248	ND		50		ug/Kg		11/25/20 18:23	12/01/20 03:07	1
Aroclor-1254	ND		50		ug/Kg		11/25/20 18:23	12/01/20 03:07	1
Aroclor-1260	ND		50		ug/Kg		11/25/20 18:23	12/01/20 03:07	1
Aroclor-1262	ND		50		ug/Kg		11/25/20 18:23	12/01/20 03:07	1
Aroclor-1268	ND		50		ug/Kg		11/25/20 18:23	12/01/20 03:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*20 - 155*	*11/25/20 18:23*	*12/01/20 03:07*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*25 - 126*	*11/25/20 18:23*	*12/01/20 03:07*	*1*

Surrogate Summary

Client: Avocet Environmental Inc
Job ID: 570-44808-1
Project/Site: Fairview Development Center / 1431.005

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

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
		DCB1	TCX1										
Lab Sample ID	Client Sample ID	(20-155)	(25-126)										
440-275342-E-1-C MS	Matrix Spike	75	79										
440-275342-E-1-D MSD	Matrix Spike Duplicate	79	84										
570-44808-5	TVB-8_0.5	75	78										
570-44808-6	TVB-7_0.5	84	88										
LCS 570-112507/2-A	Lab Control Sample	84	89										
LCSD 570-112507/3-A	Lab Control Sample Dup	82	83										
MB 570-112507/1-A	Method Blank	82	88										

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene (Surr)

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

Lab Sample ID: MB 570-112507/1-A
Matrix: Solid
Analysis Batch: 112714

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		11/25/20 18:22	11/30/20 20:15	1
Aroclor-1221	ND		50		ug/Kg		11/25/20 18:22	11/30/20 20:15	1
Aroclor-1232	ND		50		ug/Kg		11/25/20 18:22	11/30/20 20:15	1
Aroclor-1242	ND		50		ug/Kg		11/25/20 18:22	11/30/20 20:15	1
Aroclor-1248	ND		50		ug/Kg		11/25/20 18:22	11/30/20 20:15	1
Aroclor-1254	ND		50		ug/Kg		11/25/20 18:22	11/30/20 20:15	1
Aroclor-1260	ND		50		ug/Kg		11/25/20 18:22	11/30/20 20:15	1
Aroclor-1262	ND		50		ug/Kg		11/25/20 18:22	11/30/20 20:15	1
Aroclor-1268	ND		50		ug/Kg		11/25/20 18:22	11/30/20 20:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*20 - 155*	*11/25/20 18:22*	*11/30/20 20:15*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*25 - 126*	*11/25/20 18:22*	*11/30/20 20:15*	*1*

Lab Sample ID: LCS 570-112507/2-A
Matrix: Solid
Analysis Batch: 112714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112507

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			100	114.8		ug/Kg		115	50 - 142		
Aroclor-1260			100	103.9		ug/Kg		104	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*84*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*89*		*25 - 126*

Lab Sample ID: LCSD 570-112507/3-A
Matrix: Solid
Analysis Batch: 112714

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112507

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016			100	114.0		ug/Kg		114	50 - 142	1	30
Aroclor-1260			100	103.3		ug/Kg		103	50 - 150	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*82*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*83*		*25 - 126*

Lab Sample ID: 440-275342-E-1-C MS
Matrix: Solid
Analysis Batch: 112714

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 112507

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016	ND		99.7	103.2		ug/Kg		104	20 - 175		
Aroclor-1260	ND		99.7	95.89		ug/Kg		96	20 - 180		

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

Lab Sample ID: 440-275342-E-1-C MS
Matrix: Solid
Analysis Batch: 112714

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 112507

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	*75*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*79*		*25 - 126*

Lab Sample ID: 440-275342-E-1-D MSD
Matrix: Solid
Analysis Batch: 112714

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 112507

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		99.7	108.0		ug/Kg		108	20 - 175	5	40
Aroclor-1260	ND		99.7	104.3		ug/Kg		105	20 - 180	8	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	*79*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*84*		*25 - 126*

QC Association Summary

Client: Avocet Environmental Inc
Job ID: 570-44808-1
Project/Site: Fairview Development Center / 1431.005

GC Semi VOA

Prep Batch: 112507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44808-5	TVB-8_0.5	Total/NA	Solid	3546	
570-44808-6	TVB-7_0.5	Total/NA	Solid	3546	
MB 570-112507/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-112507/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-112507/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
440-275342-E-1-C MS	Matrix Spike	Total/NA	Solid	3546	
440-275342-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 112714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44808-5	TVB-8_0.5	Total/NA	Solid	8082	112507
570-44808-6	TVB-7_0.5	Total/NA	Solid	8082	112507
MB 570-112507/1-A	Method Blank	Total/NA	Solid	8082	112507
LCS 570-112507/2-A	Lab Control Sample	Total/NA	Solid	8082	112507
LCSD 570-112507/3-A	Lab Control Sample Dup	Total/NA	Solid	8082	112507
440-275342-E-1-C MS	Matrix Spike	Total/NA	Solid	8082	112507
440-275342-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	112507

Lab Chronicle

Client: Avocet Environmental Inc
Job ID: 570-44808-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: TVB-8_0.5
Lab Sample ID: 570-44808-5
Date Collected: 11/25/20 10:43
Matrix: Solid
Date Received: 11/25/20 16:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			19.97 g	10 mL	112507	11/25/20 18:23	USUL	ECL 1
Total/NA	Analysis	8082		1			112714	12/01/20 02:50	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: TVB-7_0.5
Lab Sample ID: 570-44808-6
Date Collected: 11/25/20 14:12
Matrix: Solid
Date Received: 11/25/20 16:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.11 g	10 mL	112507	11/25/20 18:23	USUL	ECL 1
Total/NA	Analysis	8082		1			112714	12/01/20 03:07	UHHN	ECL 1
	Instrument ID: GC58									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Avocet Environmental Inc
Job ID: 570-44808-1
Project/Site: Fairview Development Center / 1431.005

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	State	2944	09-30-21
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

Method Summary

Client: Avocet Environmental Inc
Job ID: 570-44808-1
Project/Site: Fairview Development Center / 1431.005

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
3546	Microwave Extraction	SW846	ECL 1

Protocol References:

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

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Avocet Environmental Inc
Job ID: 570-44808-1
Project/Site: Fairview Development Center / 1431.005

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-44808-5	TVB-8_0.5	Solid	11/25/20 10:43	11/25/20 16:49	
570-44808-6	TVB-7_0.5	Solid	11/25/20 14:12	11/25/20 16:49	

44801

AVOCET ENVIRONMENTAL, INC.
1 Technology Drive, Suite C515
Irvine, California 92618-5302
TEL (949) 296-0977
FAX (949) 296-0978

Sheet 1 of 1

CHAIN OF CUSTODY RECORD

Project Information:	Event Name:
Site Name	Fairview Developmental Center
Site Location	Costa Mesa, Ca
Project No.	1431.005
Project Manager	Deke Siren
Sampled By	SRR
Turnaround Time	Standard

ECI Project # 57006451

Sample Identification	Sample Date	Sample Time	Matrix	No. of Cntnrs.	Lab I.D. Number	TPH (C6-44) by EPA 8015B	VOCs by EPA 8260B/5035	SVOCs by EPA 8270 SIM	PCBs by EPA 8082	Title 22 Metals by EPA 6010B7471A	CrVI by EPA 7199	HOLD
TVB - 8 _2	11/25/20	10:46	Soil	1	1							X
TVB - 8 _5		10:54		1	2							X
TVB - 7 _2		14:14		1	3							X
TVB - 7 _5		14:23		1	4							X
TVB - 8 _0.5		10:43		1	5				X			
TVB - 7 _0.5		14:12		1	6				X			
~~TVB _2~~												
~~TVB _5~~												
~~TVB _2~~												
~~TVB _5~~												
~~TVB _2~~												
~~TVB _5~~												

570-44808 Chain of Custody

Relinquished by		Company	Received by		Company
Printed Name:	Colton Scott	Avocet Environmental, Inc.	Printed Name:	DANNY LE	E
Signature:	Colton Scott		Signature:	Danny Le	
Printed Name:	Date: 11/25/20 Time: 15:49	@ 11/25/20	Printed Name:	Date: 11/25/20 Time: 15:49	@ 11/25/20
Signature:	Date: 16:49 Time:		Signature:	Date: 16:49 Time:	
Printed Name:	Date:		Printed Name:	Date:	
Signature:	Time:		Signature:	Time:	

Sample Receipt		Billing Information	Special Instructions
Total Containers	TAT	Bill To: Philip Miller, P.E. AVOCET ENVIRONMENTAL, INC. 1 Technology Dive, Suite C515 Irvine, CA 92618-5302	Please bill to Avocet. If any questions, please call Scott Ruud at (949) 296-0977 x115.
Temperature °C / °F	Lab No.		
COC Seal (Y/N/NA)	Intact (Y/N)		

Login Sample Receipt Checklist

Client: Avocet Environmental Inc

Job Number: 570-44808-1

Login Number: 44808

List Number: 1

Creator: Patel, Jayesh

List Source: Eurofins Calscience

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

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-44901-1
Client Project/Site: Fairview Development Center / 1431.005

For:
Avocet Environmental Inc
1 Technology Drive
Suite C515
Irvine, California 92618

Attn: Deke Siren

Virendra R Patel

Authorized for release by:
12/4/2020 5:15:37 PM

Virendra Patel, Project Manager I
(714)895-5494
Virendra.Patel@eurofinset.com

LINKS

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate recovery exceeds control limits

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
L	A negative instrument reading had an absolute value greater than the reporting limit

Glossary

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

Client: Avocet Environmental Inc
Job ID: 570-44901-1
Project/Site: Fairview Development Center / 1431.005

Job ID: 570-44901-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-44901-1

Comments
No additional comments.

Receipt
The samples were received on 11/30/2020 3:18 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.7º C.

GC/MS VOA
Method 8260B: The initial calibration curve analyzed in batch 570-113009 was outside method criteria for the following analyte(s): Bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered an estimated concentration.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-113009.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-113296.

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

GC/MS Semi VOA
Method 8270C SIM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-113087 and analytical batch 570-113653 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015B: Surrogate recovery for the following sample was outside the upper control limit: MPO-SV-12_5 (570-44901-20). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8082: Surrogate recovery for the following sample was outside the upper control limit: MC-SV-10_2 (570-44901-15). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

Metals
Method 6010B: The absolute response for Thallium was greater than the method reporting limit (RL) in the following samples: MC-SV-7_2 (570-44901-9), MC-SV-7_5 (570-44901-10) and MC-SV-10_5 (570-44901-16).
The instrument raw data has been manually reviewed and the result can be reported as ND.

Method 6010B: The absolute response for Selenium was greater than the method reporting limit (RL) in the following samples: MC-SV-12_2 (570-44901-1), MC-SV-7_2 (570-44901-9) and MC-SV-10_5 (570-44901-16).
The instrument raw data has been manually reviewed and the result can be reported as ND.

Method 6010B: The absolute response for Molybdenum was greater than the method reporting limit (RL) in the following samples: MC-SV-12_5 (570-44901-2), MC-SV-9_2 (570-44901-5), MC-SV-9_5 (570-44901-6), MC-SV-7_5 (570-44901-10), MC-SV-10_2 (570-44901-15), MC-SV-10_5 (570-44901-16) and MPO-SV-12_2 (570-44901-19).
The instrument raw data has been manually reviewed and the result can be reported as ND.

Method 6010B: The absolute response for Silver was greater than the method reporting limit (RL) in the following samples: MC-SV-12_5 (570-44901-2), MC-SV-9_5 (570-44901-6) and MC-SV-7_5 (570-44901-10).

Job ID: 570-44901-1 (Continued)

Laboratory: Eurofins Calscience LLC (Continued)

The instrument raw data has been manually reviewed and the result can be reported as ND.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-113531 and analytical batch 570-113944 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010B: Due to the high concentration of Barium the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 570-113531 and analytical batch 570-113944 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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

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

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

Detection Summary

Client: Avocet Environmental Inc
Job ID: 570-44901-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: MC-SV-12_2
Lab Sample ID: 570-44901-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	31		25		ug/Kg	1		8260B	Total/NA
C25-C28	5.1		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	9.2		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	8.9		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	7.1		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	11		5.0		mg/Kg	1		8015B	Total/NA
Arsenic	5.58		0.773		mg/Kg	1		6010B	Total/NA
Barium	85.8		0.515		mg/Kg	1		6010B	Total/NA
Beryllium	0.771		0.258		mg/Kg	1		6010B	Total/NA
Cobalt	7.18		0.258		mg/Kg	1		6010B	Total/NA
Chromium	13.5		0.258		mg/Kg	1		6010B	Total/NA
Copper	11.2		0.515		mg/Kg	1		6010B	Total/NA
Nickel	10.9		0.258		mg/Kg	1		6010B	Total/NA
Vanadium	29.7		0.258		mg/Kg	1		6010B	Total/NA
Zinc	37.0		1.03		mg/Kg	1		6010B	Total/NA
Lead	4.52		0.515		mg/Kg	1		6010B	Total/NA

Client Sample ID: MC-SV-12_5
Lab Sample ID: 570-44901-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.014		0.0099		mg/Kg	1		8270C SIM	Total/NA
Arsenic	3.57		0.739		mg/Kg	1		6010B	Total/NA
Barium	48.6		0.493		mg/Kg	1		6010B	Total/NA
Beryllium	0.879		0.246		mg/Kg	1		6010B	Total/NA
Cobalt	6.29		0.246		mg/Kg	1		6010B	Total/NA
Chromium	20.3		0.246		mg/Kg	1		6010B	Total/NA
Copper	12.4		0.493		mg/Kg	1		6010B	Total/NA
Nickel	12.6		0.246		mg/Kg	1		6010B	Total/NA
Vanadium	32.6		0.246		mg/Kg	1		6010B	Total/NA
Zinc	42.4		0.985		mg/Kg	1		6010B	Total/NA
Lead	2.95		0.493		mg/Kg	1		6010B	Total/NA

Client Sample ID: MC-SV-9_2
Lab Sample ID: 570-44901-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	59		18		ug/Kg	1		8260B	Total/NA
Arsenic	2.27		0.773		mg/Kg	1		6010B	Total/NA
Barium	60.5		0.515		mg/Kg	1		6010B	Total/NA
Beryllium	0.563		0.258		mg/Kg	1		6010B	Total/NA
Cobalt	6.90		0.258		mg/Kg	1		6010B	Total/NA
Chromium	12.0		0.258		mg/Kg	1		6010B	Total/NA
Copper	7.15		0.515		mg/Kg	1		6010B	Total/NA
Nickel	8.30		0.258		mg/Kg	1		6010B	Total/NA
Vanadium	28.0		0.258		mg/Kg	1		6010B	Total/NA
Zinc	28.3		1.03		mg/Kg	1		6010B	Total/NA
Lead	4.55		0.515		mg/Kg	1		6010B	Total/NA

Client Sample ID: MC-SV-9_5
Lab Sample ID: 570-44901-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.24		0.743		mg/Kg	1		6010B	Total/NA
Barium	111		0.495		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Client Sample ID: MC-SV-9_5 (Continued)
Lab Sample ID: 570-44901-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.788		0.248		mg/Kg	1		6010B	Total/NA
Cobalt	6.21		0.248		mg/Kg	1		6010B	Total/NA
Chromium	16.5		0.248		mg/Kg	1		6010B	Total/NA
Copper	8.42		0.495		mg/Kg	1		6010B	Total/NA
Nickel	10.8		0.248		mg/Kg	1		6010B	Total/NA
Vanadium	35.0		0.248		mg/Kg	1		6010B	Total/NA
Zinc	33.7		0.990		mg/Kg	1		6010B	Total/NA
Lead	1.11		0.495		mg/Kg	1		6010B	Total/NA

Client Sample ID: MC-SV-7_2
Lab Sample ID: 570-44901-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	55		22		ug/Kg	1		8260B	Total/NA
Arsenic	4.60		0.728		mg/Kg	1		6010B	Total/NA
Barium	146		0.485		mg/Kg	1		6010B	Total/NA
Beryllium	0.963		0.243		mg/Kg	1		6010B	Total/NA
Cobalt	9.45		0.243		mg/Kg	1		6010B	Total/NA
Chromium	17.0		0.243		mg/Kg	1		6010B	Total/NA
Copper	14.0		0.485		mg/Kg	1		6010B	Total/NA
Nickel	17.0		0.243		mg/Kg	1		6010B	Total/NA
Vanadium	32.7		0.243		mg/Kg	1		6010B	Total/NA
Zinc	46.1		0.971		mg/Kg	1		6010B	Total/NA
Lead	5.11		0.485		mg/Kg	1		6010B	Total/NA

Client Sample ID: MC-SV-7_5
Lab Sample ID: 570-44901-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.9		0.82		ug/Kg	1		8260B	Total/NA
Toluene	3.8		0.82		ug/Kg	1		8260B	Total/NA
C17-C18	5.8		5.0		mg/Kg	1		8015B	Total/NA
C19-C20	5.8		5.0		mg/Kg	1		8015B	Total/NA
C21-C22	7.2		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	9.0		5.0		mg/Kg	1		8015B	Total/NA
Arsenic	11.8		0.721		mg/Kg	1		6010B	Total/NA
Barium	139		0.481		mg/Kg	1		6010B	Total/NA
Beryllium	0.881		0.240		mg/Kg	1		6010B	Total/NA
Cobalt	7.62		0.240		mg/Kg	1		6010B	Total/NA
Chromium	13.9		0.240		mg/Kg	1		6010B	Total/NA
Copper	12.3		0.481		mg/Kg	1		6010B	Total/NA
Nickel	11.7		0.240		mg/Kg	1		6010B	Total/NA
Vanadium	27.1		0.240		mg/Kg	1		6010B	Total/NA
Zinc	30.8		0.962		mg/Kg	1		6010B	Total/NA
Lead	2.72		0.481		mg/Kg	1		6010B	Total/NA

Client Sample ID: TB_20201130
Lab Sample ID: 570-44901-13

No Detections.

Client Sample ID: EB_20201130
Lab Sample ID: 570-44901-14

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Avocet Environmental Inc
Job ID: 570-44901-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: MC-SV-10_2
Lab Sample ID: 570-44901-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	37		21		ug/Kg	1		8260B	Total/NA
Benzo[a]anthracene	0.012		0.0099		mg/Kg	1		8270C SIM	Total/NA
Benzo[a]pyrene	0.010		0.0099		mg/Kg	1		8270C SIM	Total/NA
Chrysene	0.012		0.0099		mg/Kg	1		8270C SIM	Total/NA
Fluoranthene	0.020		0.0099		mg/Kg	1		8270C SIM	Total/NA
Phenanthrene	0.011		0.0099		mg/Kg	1		8270C SIM	Total/NA
Pyrene	0.023		0.0099		mg/Kg	1		8270C SIM	Total/NA
Arsenic	4.65		0.728		mg/Kg	1		6010B	Total/NA
Barium	124		0.485		mg/Kg	1		6010B	Total/NA
Beryllium	0.796		0.243		mg/Kg	1		6010B	Total/NA
Cobalt	7.86		0.243		mg/Kg	1		6010B	Total/NA
Chromium	15.0		0.243		mg/Kg	1		6010B	Total/NA
Copper	12.3		0.485		mg/Kg	1		6010B	Total/NA
Nickel	13.1		0.243		mg/Kg	1		6010B	Total/NA
Vanadium	31.0		0.243		mg/Kg	1		6010B	Total/NA
Zinc	39.3		0.971		mg/Kg	1		6010B	Total/NA
Lead	3.79		0.485		mg/Kg	1		6010B	Total/NA

Client Sample ID: MC-SV-10_5
Lab Sample ID: 570-44901-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	25		18		ug/Kg	1		8260B	Total/NA
Fluoranthene	0.011		0.0099		mg/Kg	1		8270C SIM	Total/NA
Pyrene	0.011		0.0099		mg/Kg	1		8270C SIM	Total/NA
C17-C18	6.3		5.0		mg/Kg	1		8015B	Total/NA
C19-C20	6.4		5.0		mg/Kg	1		8015B	Total/NA
C21-C22	7.9		5.0		mg/Kg	1		8015B	Total/NA
C6-C44	9.2		5.0		mg/Kg	1		8015B	Total/NA
Arsenic	4.86		0.728		mg/Kg	1		6010B	Total/NA
Barium	99.5		0.485		mg/Kg	1		6010B	Total/NA
Beryllium	0.604		0.243		mg/Kg	1		6010B	Total/NA
Cobalt	7.00		0.243		mg/Kg	1		6010B	Total/NA
Chromium	11.6		0.243		mg/Kg	1		6010B	Total/NA
Copper	8.61		0.485		mg/Kg	1		6010B	Total/NA
Nickel	9.42		0.243		mg/Kg	1		6010B	Total/NA
Vanadium	28.4		0.243		mg/Kg	1		6010B	Total/NA
Zinc	29.2		0.971		mg/Kg	1		6010B	Total/NA
Lead	2.93		0.485		mg/Kg	1		6010B	Total/NA

Client Sample ID: MPO-SV-12_2
Lab Sample ID: 570-44901-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	37		16		ug/Kg	1		8260B	Total/NA
Arsenic	4.04		0.718		mg/Kg	1		6010B	Total/NA
Barium	72.2		0.478		mg/Kg	1		6010B	Total/NA
Beryllium	0.873		0.239		mg/Kg	1		6010B	Total/NA
Cobalt	7.91		0.239		mg/Kg	1		6010B	Total/NA
Chromium	17.0		0.239		mg/Kg	1		6010B	Total/NA
Copper	9.75		0.478		mg/Kg	1		6010B	Total/NA
Nickel	14.6		0.239		mg/Kg	1		6010B	Total/NA
Vanadium	33.4		0.239		mg/Kg	1		6010B	Total/NA
Zinc	34.8		0.957		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Avocet Environmental Inc
Job ID: 570-44901-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: MPO-SV-12_2 (Continued)
Lab Sample ID: 570-44901-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.60		0.478		mg/Kg	1		6010B	Total/NA

Client Sample ID: MPO-SV-12_5
Lab Sample ID: 570-44901-20

No Detections.

This Detection Summary does not include radiochemical test results.

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

Client Sample ID: MC-SV-12_2
Date Collected: 11/30/20 07:45
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
1,1,1-Trichloroethane	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
1,1,2,2-Tetrachloroethane	ND		2.5		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
1,1,2-Trichloroethane	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
1,1-Dichloroethane	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
1,1-Dichloroethene	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
1,1-Dichloropropene	ND		2.5		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
1,2,3-Trichlorobenzene	ND		2.5		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
1,2,3-Trichloropropane	ND		2.5		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
1,2,4-Trichlorobenzene	ND		2.5		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
1,2,4-Trimethylbenzene	ND		2.5		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
1,2-Dibromo-3-Chloropropane	ND		12		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
1,2-Dibromoethane	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
1,2-Dichlorobenzene	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
1,2-Dichloroethane	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
1,2-Dichloropropane	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
1,3,5-Trimethylbenzene	ND		2.5		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
1,3-Dichlorobenzene	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
1,3-Dichloropropane	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
1,4-Dichlorobenzene	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
2,2-Dichloropropane	ND		6.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
2-Butanone	ND		25		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
2-Chlorotoluene	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
2-Hexanone	ND		25		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
4-Chlorotoluene	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
4-Methyl-2-pentanone	ND		25		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Acetone	**31**		25		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Benzene	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Bromobenzene	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Bromochloromethane	ND		2.5		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Bromodichloromethane	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Bromoform	ND		6.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Bromomethane	ND		25		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
cis-1,2-Dichloroethene	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
cis-1,3-Dichloropropene	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Carbon disulfide	ND		12		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Carbon tetrachloride	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Chlorobenzene	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Chloroethane	ND		2.5		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Chloroform	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Chloromethane	ND		25		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Dibromochloromethane	ND		2.5		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Dibromomethane	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Dichlorodifluoromethane	ND		2.5		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Di-isopropyl ether (DIPE)	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Ethanol	ND		310		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Ethylbenzene	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Ethyl-t-butyl ether (ETBE)	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1

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

Client Sample ID: MC-SV-12_2
Date Collected: 11/30/20 07:45
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Methylene Chloride	ND		12		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Methyl-t-Butyl Ether (MTBE)	ND		2.5		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Naphthalene	ND		12		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
n-Butylbenzene	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
N-Propylbenzene	ND		2.5		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
o-Xylene	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
m,p-Xylene	ND		2.5		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
p-Isopropyltoluene	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
sec-Butylbenzene	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Styrene	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
trans-1,2-Dichloroethene	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
trans-1,3-Dichloropropene	ND		2.5		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Tert-amyl-methyl ether (TAME)	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
tert-Butyl alcohol (TBA)	ND		25		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
tert-Butylbenzene	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Tetrachloroethene	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Toluene	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Trichloroethene	ND		2.5		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Trichlorofluoromethane	ND		12		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Vinyl acetate	ND		12		ug/Kg		12/01/20 11:36	12/01/20 12:53	1
Vinyl chloride	ND		1.2		ug/Kg		12/01/20 11:36	12/01/20 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*71 - 155*	*12/01/20 11:36*	*12/01/20 12:53*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*	*12/01/20 11:36*	*12/01/20 12:53*	*1*
Dibromofluoromethane (Surr)	*100*		*79 - 133*	*12/01/20 11:36*	*12/01/20 12:53*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*12/01/20 11:36*	*12/01/20 12:53*	*1*

Client Sample ID: MC-SV-12_5
Date Collected: 11/30/20 07:54
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
1,1,1-Trichloroethane	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
1,1,2,2-Tetrachloroethane	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.9		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
1,1,2-Trichloroethane	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
1,1-Dichloroethane	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
1,1-Dichloroethene	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
1,1-Dichloropropene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
1,2,3-Trichlorobenzene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
1,2,3-Trichloropropane	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
1,2,4-Trichlorobenzene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
1,2,4-Trimethylbenzene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
1,2-Dibromo-3-Chloropropane	ND		8.9		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
1,2-Dibromoethane	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
1,2-Dichlorobenzene	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
1,2-Dichloroethane	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
1,2-Dichloropropane	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1

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

Client Sample ID: MC-SV-12_5
Date Collected: 11/30/20 07:54
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
1,3-Dichlorobenzene	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
1,3-Dichloropropane	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
1,4-Dichlorobenzene	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
2,2-Dichloropropane	ND		4.4		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
2-Butanone	ND		18		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
2-Chlorotoluene	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
2-Hexanone	ND		18		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
4-Chlorotoluene	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
4-Methyl-2-pentanone	ND		18		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Acetone	ND		18		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Benzene	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Bromobenzene	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Bromochloromethane	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Bromodichloromethane	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Bromoform	ND		4.4		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Bromomethane	ND		18		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
cis-1,2-Dichloroethene	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
cis-1,3-Dichloropropene	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Carbon disulfide	ND		8.9		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Carbon tetrachloride	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Chlorobenzene	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Chloroethane	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Chloroform	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Chloromethane	ND		18		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Dibromochloromethane	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Dibromomethane	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Dichlorodifluoromethane	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Di-isopropyl ether (DIPE)	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Ethanol	ND		220		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Ethylbenzene	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Ethyl-t-butyl ether (ETBE)	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Isopropylbenzene	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Methylene Chloride	ND		8.9		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Methyl-t-Butyl Ether (MTBE)	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Naphthalene	ND		8.9		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
n-Butylbenzene	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
N-Propylbenzene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
o-Xylene	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
m,p-Xylene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
p-Isopropyltoluene	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
sec-Butylbenzene	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Styrene	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
trans-1,2-Dichloroethene	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
trans-1,3-Dichloropropene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Tert-amyl-methyl ether (TAME)	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
tert-Butyl alcohol (TBA)	ND		18		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
tert-Butylbenzene	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Tetrachloroethene	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1

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

Client Sample ID: MC-SV-12_5
Date Collected: 11/30/20 07:54
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Trichloroethene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Trichlorofluoromethane	ND		8.9		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Vinyl acetate	ND		8.9		ug/Kg		12/01/20 11:36	12/01/20 13:21	1
Vinyl chloride	ND		0.89		ug/Kg		12/01/20 11:36	12/01/20 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*71 - 155*	*12/01/20 11:36*	*12/01/20 13:21*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*12/01/20 11:36*	*12/01/20 13:21*	*1*
Dibromofluoromethane (Surr)	*98*		*79 - 133*	*12/01/20 11:36*	*12/01/20 13:21*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*12/01/20 11:36*	*12/01/20 13:21*	*1*

Client Sample ID: MC-SV-9_2
Date Collected: 11/30/20 09:22
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
1,1,1-Trichloroethane	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
1,1,2,2-Tetrachloroethane	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.0		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
1,1,2-Trichloroethane	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
1,1-Dichloroethane	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
1,1-Dichloroethene	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
1,1-Dichloropropene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
1,2,3-Trichlorobenzene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
1,2,3-Trichloropropane	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
1,2,4-Trichlorobenzene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
1,2,4-Trimethylbenzene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
1,2-Dibromo-3-Chloropropane	ND		9.0		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
1,2-Dibromoethane	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
1,2-Dichlorobenzene	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
1,2-Dichloroethane	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
1,2-Dichloropropane	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
1,3,5-Trimethylbenzene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
1,3-Dichlorobenzene	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
1,3-Dichloropropane	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
1,4-Dichlorobenzene	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
2,2-Dichloropropane	ND		4.5		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
2-Butanone	ND		18		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
2-Chlorotoluene	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
2-Hexanone	ND		18		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
4-Chlorotoluene	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
4-Methyl-2-pentanone	ND		18		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Acetone	**59**		18		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Benzene	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Bromobenzene	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Bromochloromethane	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Bromodichloromethane	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Bromoform	ND		4.5		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Bromomethane	ND		18		ug/Kg		12/01/20 11:36	12/01/20 13:49	1

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

Client Sample ID: MC-SV-9_2
Date Collected: 11/30/20 09:22
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
cis-1,3-Dichloropropene	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Carbon disulfide	ND		9.0		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Carbon tetrachloride	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Chlorobenzene	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Chloroethane	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Chloroform	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Chloromethane	ND		18		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Dibromochloromethane	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Dibromomethane	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Dichlorodifluoromethane	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Di-isopropyl ether (DIPE)	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Ethanol	ND		220		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Ethylbenzene	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Ethyl-t-butyl ether (ETBE)	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Isopropylbenzene	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Methylene Chloride	ND		9.0		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Methyl-t-Butyl Ether (MTBE)	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Naphthalene	ND		9.0		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
n-Butylbenzene	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
N-Propylbenzene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
o-Xylene	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
m,p-Xylene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
p-Isopropyltoluene	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
sec-Butylbenzene	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Styrene	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
trans-1,2-Dichloroethene	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
trans-1,3-Dichloropropene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Tert-amyl-methyl ether (TAME)	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
tert-Butyl alcohol (TBA)	ND		18		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
tert-Butylbenzene	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Tetrachloroethene	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Toluene	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Trichloroethene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Trichlorofluoromethane	ND		9.0		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Vinyl acetate	ND		9.0		ug/Kg		12/01/20 11:36	12/01/20 13:49	1
Vinyl chloride	ND		0.90		ug/Kg		12/01/20 11:36	12/01/20 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*71 - 155*	*12/01/20 11:36*	*12/01/20 13:49*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*	*12/01/20 11:36*	*12/01/20 13:49*	*1*
Dibromofluoromethane (Surr)	*100*		*79 - 133*	*12/01/20 11:36*	*12/01/20 13:49*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*12/01/20 11:36*	*12/01/20 13:49*	*1*

Client Sample ID: MC-SV-9_5
Date Collected: 11/30/20 09:26
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
1,1,1-Trichloroethane	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1

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

Client Sample ID: MC-SV-9_5
Date Collected: 11/30/20 09:26
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.1		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
1,1,2-Trichloroethane	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
1,1-Dichloroethane	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
1,1-Dichloroethene	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
1,1-Dichloropropene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
1,2,3-Trichlorobenzene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
1,2,3-Trichloropropane	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
1,2,4-Trichlorobenzene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
1,2,4-Trimethylbenzene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
1,2-Dibromo-3-Chloropropane	ND		8.1		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
1,2-Dibromoethane	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
1,2-Dichlorobenzene	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
1,2-Dichloroethane	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
1,2-Dichloropropane	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
1,3,5-Trimethylbenzene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
1,3-Dichlorobenzene	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
1,3-Dichloropropane	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
1,4-Dichlorobenzene	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
2,2-Dichloropropane	ND		4.1		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
2-Butanone	ND		16		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
2-Chlorotoluene	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
2-Hexanone	ND		16		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
4-Chlorotoluene	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
4-Methyl-2-pentanone	ND		16		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Acetone	ND		16		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Benzene	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Bromobenzene	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Bromochloromethane	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Bromodichloromethane	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Bromoform	ND		4.1		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Bromomethane	ND		16		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
cis-1,2-Dichloroethene	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
cis-1,3-Dichloropropene	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Carbon disulfide	ND		8.1		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Carbon tetrachloride	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Chlorobenzene	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Chloroethane	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Chloroform	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Chloromethane	ND		16		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Dibromochloromethane	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Dibromomethane	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Dichlorodifluoromethane	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Di-isopropyl ether (DIPE)	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Ethanol	ND		200		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Ethylbenzene	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Ethyl-t-butyl ether (ETBE)	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Isopropylbenzene	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Methylene Chloride	ND		8.1		ug/Kg		12/01/20 11:36	12/01/20 14:17	1

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

Client Sample ID: MC-SV-9_5
Date Collected: 11/30/20 09:26
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Naphthalene	ND		8.1		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
n-Butylbenzene	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
N-Propylbenzene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
o-Xylene	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
m,p-Xylene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
p-Isopropyltoluene	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
sec-Butylbenzene	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Styrene	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
trans-1,2-Dichloroethene	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
trans-1,3-Dichloropropene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Tert-amyl-methyl ether (TAME)	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
tert-Butyl alcohol (TBA)	ND		16		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
tert-Butylbenzene	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Tetrachloroethene	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Toluene	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Trichloroethene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Trichlorofluoromethane	ND		8.1		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Vinyl acetate	ND		8.1		ug/Kg		12/01/20 11:36	12/01/20 14:17	1
Vinyl chloride	ND		0.81		ug/Kg		12/01/20 11:36	12/01/20 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*71 - 155*	*12/01/20 11:36*	*12/01/20 14:17*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*	*12/01/20 11:36*	*12/01/20 14:17*	*1*
Dibromofluoromethane (Surr)	*100*		*79 - 133*	*12/01/20 11:36*	*12/01/20 14:17*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*12/01/20 11:36*	*12/01/20 14:17*	*1*

Client Sample ID: MC-SV-7_2
Date Collected: 11/30/20 10:23
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
1,1,1-Trichloroethane	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
1,1,2,2-Tetrachloroethane	ND		2.2		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
1,1,2-Trichloroethane	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
1,1-Dichloroethane	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
1,1-Dichloroethene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
1,1-Dichloropropene	ND		2.2		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
1,2,3-Trichlorobenzene	ND		2.2		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
1,2,3-Trichloropropane	ND		2.2		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
1,2,4-Trichlorobenzene	ND		2.2		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
1,2,4-Trimethylbenzene	ND		2.2		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
1,2-Dibromo-3-Chloropropane	ND		11		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
1,2-Dibromoethane	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
1,2-Dichlorobenzene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
1,2-Dichloroethane	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
1,2-Dichloropropane	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
1,3,5-Trimethylbenzene	ND		2.2		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
1,3-Dichlorobenzene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1

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

Client Sample ID: MC-SV-7_2
Date Collected: 11/30/20 10:23
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
1,4-Dichlorobenzene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
2,2-Dichloropropane	ND		5.4		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
2-Butanone	ND		22		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
2-Chlorotoluene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
2-Hexanone	ND		22		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
4-Chlorotoluene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
4-Methyl-2-pentanone	ND		22		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Acetone	**55**		22		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Benzene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Bromobenzene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Bromochloromethane	ND		2.2		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Bromodichloromethane	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Bromoform	ND		5.4		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Bromomethane	ND		22		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
cis-1,2-Dichloroethene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
cis-1,3-Dichloropropene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Carbon disulfide	ND		11		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Carbon tetrachloride	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Chlorobenzene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Chloroethane	ND		2.2		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Chloroform	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Chloromethane	ND		22		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Dibromochloromethane	ND		2.2		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Dibromomethane	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Dichlorodifluoromethane	ND		2.2		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Di-isopropyl ether (DIPE)	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Ethanol	ND		270		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Ethylbenzene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Ethyl-t-butyl ether (ETBE)	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Isopropylbenzene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Methylene Chloride	ND		11		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Methyl-t-Butyl Ether (MTBE)	ND		2.2		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Naphthalene	ND		11		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
n-Butylbenzene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
N-Propylbenzene	ND		2.2		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
o-Xylene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
m,p-Xylene	ND		2.2		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
p-Isopropyltoluene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
sec-Butylbenzene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Styrene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
trans-1,2-Dichloroethene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
trans-1,3-Dichloropropene	ND		2.2		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Tert-amyl-methyl ether (TAME)	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
tert-Butyl alcohol (TBA)	ND		22		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
tert-Butylbenzene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Tetrachloroethene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Toluene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Trichloroethene	ND		2.2		ug/Kg		12/01/20 11:36	12/01/20 15:12	1

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

Client Sample ID: MC-SV-7_2
Date Collected: 11/30/20 10:23
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		11		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Vinyl acetate	ND		11		ug/Kg		12/01/20 11:36	12/01/20 15:12	1
Vinyl chloride	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*71 - 155*	*12/01/20 11:36*	*12/01/20 15:12*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*	*12/01/20 11:36*	*12/01/20 15:12*	*1*
Dibromofluoromethane (Surr)	*100*		*79 - 133*	*12/01/20 11:36*	*12/01/20 15:12*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*12/01/20 11:36*	*12/01/20 15:12*	*1*

Client Sample ID: MC-SV-7_5
Date Collected: 11/30/20 10:29
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
1,1,1-Trichloroethane	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
1,1,2,2-Tetrachloroethane	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.2		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
1,1,2-Trichloroethane	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
1,1-Dichloroethane	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
1,1-Dichloroethene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
1,1-Dichloropropene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
1,2,3-Trichlorobenzene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
1,2,3-Trichloropropane	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
1,2,4-Trichlorobenzene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
1,2,4-Trimethylbenzene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
1,2-Dibromo-3-Chloropropane	ND		8.2		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
1,2-Dibromoethane	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
1,2-Dichlorobenzene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
1,2-Dichloroethane	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
1,2-Dichloropropane	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
1,3,5-Trimethylbenzene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
1,3-Dichlorobenzene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
1,3-Dichloropropane	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
1,4-Dichlorobenzene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
2,2-Dichloropropane	ND		4.1		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
2-Butanone	ND		16		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
2-Chlorotoluene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
2-Hexanone	ND		16		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
4-Chlorotoluene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
4-Methyl-2-pentanone	ND		16		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Acetone	ND		16		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Benzene	**4.9**		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Bromobenzene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Bromochloromethane	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Bromodichloromethane	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Bromoform	ND		4.1		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Bromomethane	ND		16		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
cis-1,2-Dichloroethene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
cis-1,3-Dichloropropene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1

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

Client Sample ID: MC-SV-7_5
Date Collected: 11/30/20 10:29
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		8.2		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Carbon tetrachloride	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Chlorobenzene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Chloroethane	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Chloroform	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Chloromethane	ND		16		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Dibromochloromethane	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Dibromomethane	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Dichlorodifluoromethane	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Di-isopropyl ether (DIPE)	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Ethanol	ND		210		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Ethylbenzene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Ethyl-t-butyl ether (ETBE)	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Isopropylbenzene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Methylene Chloride	ND		8.2		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Methyl-t-Butyl Ether (MTBE)	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Naphthalene	ND		8.2		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
n-Butylbenzene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
N-Propylbenzene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
o-Xylene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
m,p-Xylene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
p-Isopropyltoluene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
sec-Butylbenzene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Styrene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
trans-1,2-Dichloroethene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
trans-1,3-Dichloropropene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Tert-amyl-methyl ether (TAME)	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
tert-Butyl alcohol (TBA)	ND		16		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
tert-Butylbenzene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Tetrachloroethene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Toluene	**3.8**		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Trichloroethene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Trichlorofluoromethane	ND		8.2		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Vinyl acetate	ND		8.2		ug/Kg		12/01/20 11:36	12/01/20 15:40	1
Vinyl chloride	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*71 - 155*	*12/01/20 11:36*	*12/01/20 15:40*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*	*12/01/20 11:36*	*12/01/20 15:40*	*1*
Dibromofluoromethane (Surr)	*98*		*79 - 133*	*12/01/20 11:36*	*12/01/20 15:40*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*12/01/20 11:36*	*12/01/20 15:40*	*1*

Client Sample ID: TB_20201130
Date Collected: 11/30/20 00:00
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			12/02/20 11:42	1
1,1,1-Trichloroethane	ND		1.0		ug/L			12/02/20 11:42	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			12/02/20 11:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			12/02/20 11:42	1

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

Client Sample ID: TB_20201130
Date Collected: 11/30/20 00:00
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0		ug/L			12/02/20 11:42	1
1,1-Dichloroethane	ND		1.0		ug/L			12/02/20 11:42	1
1,1-Dichloroethene	ND		1.0		ug/L			12/02/20 11:42	1
1,1-Dichloropropene	ND		1.0		ug/L			12/02/20 11:42	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			12/02/20 11:42	1
1,2,3-Trichloropropane	ND		5.0		ug/L			12/02/20 11:42	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			12/02/20 11:42	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			12/02/20 11:42	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			12/02/20 11:42	1
1,2-Dibromoethane	ND		1.0		ug/L			12/02/20 11:42	1
1,2-Dichlorobenzene	ND		1.0		ug/L			12/02/20 11:42	1
1,2-Dichloroethane	ND		0.50		ug/L			12/02/20 11:42	1
1,2-Dichloropropane	ND		1.0		ug/L			12/02/20 11:42	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			12/02/20 11:42	1
1,3-Dichlorobenzene	ND		1.0		ug/L			12/02/20 11:42	1
1,3-Dichloropropane	ND		1.0		ug/L			12/02/20 11:42	1
1,4-Dichlorobenzene	ND		1.0		ug/L			12/02/20 11:42	1
2,2-Dichloropropane	ND		1.0		ug/L			12/02/20 11:42	1
2-Butanone	ND		20		ug/L			12/02/20 11:42	1
2-Chlorotoluene	ND		1.0		ug/L			12/02/20 11:42	1
2-Hexanone	ND		10		ug/L			12/02/20 11:42	1
4-Chlorotoluene	ND		1.0		ug/L			12/02/20 11:42	1
4-Methyl-2-pentanone	ND		10		ug/L			12/02/20 11:42	1
Acetone	ND		20		ug/L			12/02/20 11:42	1
Benzene	ND		0.50		ug/L			12/02/20 11:42	1
Bromobenzene	ND		1.0		ug/L			12/02/20 11:42	1
Bromochloromethane	ND		2.0		ug/L			12/02/20 11:42	1
Bromodichloromethane	ND		1.0		ug/L			12/02/20 11:42	1
Bromoform	ND		5.0		ug/L			12/02/20 11:42	1
Bromomethane	ND		25		ug/L			12/02/20 11:42	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			12/02/20 11:42	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			12/02/20 11:42	1
Carbon disulfide	ND		10		ug/L			12/02/20 11:42	1
Carbon tetrachloride	ND		0.50		ug/L			12/02/20 11:42	1
Chlorobenzene	ND		1.0		ug/L			12/02/20 11:42	1
Chloroethane	ND		5.0		ug/L			12/02/20 11:42	1
Chloroform	ND		1.0		ug/L			12/02/20 11:42	1
Chloromethane	ND		10		ug/L			12/02/20 11:42	1
Dibromochloromethane	ND		2.0		ug/L			12/02/20 11:42	1
Dibromomethane	ND		1.0		ug/L			12/02/20 11:42	1
Dichlorodifluoromethane	ND		5.0		ug/L			12/02/20 11:42	1
Di-isopropyl ether (DIPE)	ND		2.0		ug/L			12/02/20 11:42	1
Ethanol	ND		100		ug/L			12/02/20 11:42	1
Ethylbenzene	ND		1.0		ug/L			12/02/20 11:42	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			12/02/20 11:42	1
Isopropylbenzene	ND		1.0		ug/L			12/02/20 11:42	1
Methylene Chloride	ND		10		ug/L			12/02/20 11:42	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			12/02/20 11:42	1
Naphthalene	ND		10		ug/L			12/02/20 11:42	1

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

Client Sample ID: TB_20201130
Date Collected: 11/30/20 00:00
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		1.0		ug/L			12/02/20 11:42	1
N-Propylbenzene	ND		1.0		ug/L			12/02/20 11:42	1
o-Xylene	ND		1.0		ug/L			12/02/20 11:42	1
m,p-Xylene	ND		2.0		ug/L			12/02/20 11:42	1
p-Isopropyltoluene	ND		1.0		ug/L			12/02/20 11:42	1
sec-Butylbenzene	ND		1.0		ug/L			12/02/20 11:42	1
Styrene	ND		1.0		ug/L			12/02/20 11:42	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			12/02/20 11:42	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			12/02/20 11:42	1
Tert-amyl-methyl ether (TAME)	ND		2.0		ug/L			12/02/20 11:42	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			12/02/20 11:42	1
tert-Butylbenzene	ND		1.0		ug/L			12/02/20 11:42	1
Tetrachloroethene	ND		1.0		ug/L			12/02/20 11:42	1
Toluene	ND		1.0		ug/L			12/02/20 11:42	1
Trichloroethene	ND		1.0		ug/L			12/02/20 11:42	1
Trichlorofluoromethane	ND		10		ug/L			12/02/20 11:42	1
Vinyl acetate	ND		10		ug/L			12/02/20 11:42	1
Vinyl chloride	ND		0.50		ug/L			12/02/20 11:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 129*		*12/02/20 11:42*	*1*
4-Bromofluorobenzene (Surr)	*97*		*77 - 120*		*12/02/20 11:42*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 128*		*12/02/20 11:42*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/02/20 11:42*	*1*

Client Sample ID: EB_20201130
Date Collected: 11/30/20 13:55
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-14
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			12/02/20 12:37	1
1,1,1-Trichloroethane	ND		1.0		ug/L			12/02/20 12:37	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			12/02/20 12:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			12/02/20 12:37	1
1,1,2-Trichloroethane	ND		1.0		ug/L			12/02/20 12:37	1
1,1-Dichloroethane	ND		1.0		ug/L			12/02/20 12:37	1
1,1-Dichloroethene	ND		1.0		ug/L			12/02/20 12:37	1
1,1-Dichloropropene	ND		1.0		ug/L			12/02/20 12:37	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			12/02/20 12:37	1
1,2,3-Trichloropropane	ND		5.0		ug/L			12/02/20 12:37	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			12/02/20 12:37	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			12/02/20 12:37	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			12/02/20 12:37	1
1,2-Dibromoethane	ND		1.0		ug/L			12/02/20 12:37	1
1,2-Dichlorobenzene	ND		1.0		ug/L			12/02/20 12:37	1
1,2-Dichloroethane	ND		0.50		ug/L			12/02/20 12:37	1
1,2-Dichloropropane	ND		1.0		ug/L			12/02/20 12:37	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			12/02/20 12:37	1
1,3-Dichlorobenzene	ND		1.0		ug/L			12/02/20 12:37	1
1,3-Dichloropropane	ND		1.0		ug/L			12/02/20 12:37	1
1,4-Dichlorobenzene	ND		1.0		ug/L			12/02/20 12:37	1

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

Client Sample ID: EB_20201130
Date Collected: 11/30/20 13:55
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-14
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		1.0		ug/L			12/02/20 12:37	1
2-Butanone	ND		20		ug/L			12/02/20 12:37	1
2-Chlorotoluene	ND		1.0		ug/L			12/02/20 12:37	1
2-Hexanone	ND		10		ug/L			12/02/20 12:37	1
4-Chlorotoluene	ND		1.0		ug/L			12/02/20 12:37	1
4-Methyl-2-pentanone	ND		10		ug/L			12/02/20 12:37	1
Acetone	ND		20		ug/L			12/02/20 12:37	1
Benzene	ND		0.50		ug/L			12/02/20 12:37	1
Bromobenzene	ND		1.0		ug/L			12/02/20 12:37	1
Bromochloromethane	ND		2.0		ug/L			12/02/20 12:37	1
Bromodichloromethane	ND		1.0		ug/L			12/02/20 12:37	1
Bromoform	ND		5.0		ug/L			12/02/20 12:37	1
Bromomethane	ND		25		ug/L			12/02/20 12:37	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			12/02/20 12:37	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			12/02/20 12:37	1
Carbon disulfide	ND		10		ug/L			12/02/20 12:37	1
Carbon tetrachloride	ND		0.50		ug/L			12/02/20 12:37	1
Chlorobenzene	ND		1.0		ug/L			12/02/20 12:37	1
Chloroethane	ND		5.0		ug/L			12/02/20 12:37	1
Chloroform	ND		1.0		ug/L			12/02/20 12:37	1
Chloromethane	ND		10		ug/L			12/02/20 12:37	1
Dibromochloromethane	ND		2.0		ug/L			12/02/20 12:37	1
Dibromomethane	ND		1.0		ug/L			12/02/20 12:37	1
Dichlorodifluoromethane	ND		5.0		ug/L			12/02/20 12:37	1
Di-isopropyl ether (DIPE)	ND		2.0		ug/L			12/02/20 12:37	1
Ethanol	ND		100		ug/L			12/02/20 12:37	1
Ethylbenzene	ND		1.0		ug/L			12/02/20 12:37	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			12/02/20 12:37	1
Isopropylbenzene	ND		1.0		ug/L			12/02/20 12:37	1
Methylene Chloride	ND		10		ug/L			12/02/20 12:37	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			12/02/20 12:37	1
Naphthalene	ND		10		ug/L			12/02/20 12:37	1
n-Butylbenzene	ND		1.0		ug/L			12/02/20 12:37	1
N-Propylbenzene	ND		1.0		ug/L			12/02/20 12:37	1
o-Xylene	ND		1.0		ug/L			12/02/20 12:37	1
m,p-Xylene	ND		2.0		ug/L			12/02/20 12:37	1
p-Isopropyltoluene	ND		1.0		ug/L			12/02/20 12:37	1
sec-Butylbenzene	ND		1.0		ug/L			12/02/20 12:37	1
Styrene	ND		1.0		ug/L			12/02/20 12:37	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			12/02/20 12:37	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			12/02/20 12:37	1
Tert-amyl-methyl ether (TAME)	ND		2.0		ug/L			12/02/20 12:37	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			12/02/20 12:37	1
tert-Butylbenzene	ND		1.0		ug/L			12/02/20 12:37	1
Tetrachloroethene	ND		1.0		ug/L			12/02/20 12:37	1
Toluene	ND		1.0		ug/L			12/02/20 12:37	1
Trichloroethene	ND		1.0		ug/L			12/02/20 12:37	1
Trichlorofluoromethane	ND		10		ug/L			12/02/20 12:37	1
Vinyl acetate	ND		10		ug/L			12/02/20 12:37	1

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

Client Sample ID: EB_20201130
Date Collected: 11/30/20 13:55
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-14
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.50		ug/L			12/02/20 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*80 - 129*		*12/02/20 12:37*	*1*
4-Bromofluorobenzene (Surr)	*95*		*77 - 120*		*12/02/20 12:37*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 128*		*12/02/20 12:37*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/02/20 12:37*	*1*

Client Sample ID: MC-SV-10_2
Date Collected: 11/30/20 12:10
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
1,1,1-Trichloroethane	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
1,1,2,2-Tetrachloroethane	ND		2.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
1,1,2-Trichloroethane	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
1,1-Dichloroethane	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
1,1-Dichloroethene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
1,1-Dichloropropene	ND		2.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
1,2,3-Trichlorobenzene	ND		2.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
1,2,3-Trichloropropane	ND		2.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
1,2,4-Trichlorobenzene	ND		2.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
1,2,4-Trimethylbenzene	ND		2.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
1,2-Dibromo-3-Chloropropane	ND		11		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
1,2-Dibromoethane	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
1,2-Dichlorobenzene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
1,2-Dichloroethane	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
1,2-Dichloropropane	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
1,3,5-Trimethylbenzene	ND		2.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
1,3-Dichlorobenzene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
1,3-Dichloropropane	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
1,4-Dichlorobenzene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
2,2-Dichloropropane	ND		5.3		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
2-Butanone	ND		21		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
2-Chlorotoluene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
2-Hexanone	ND		21		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
4-Chlorotoluene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
4-Methyl-2-pentanone	ND		21		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Acetone	**37**		21		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Benzene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Bromobenzene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Bromochloromethane	ND		2.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Bromodichloromethane	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Bromoform	ND		5.3		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Bromomethane	ND		21		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
cis-1,2-Dichloroethene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
cis-1,3-Dichloropropene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Carbon disulfide	ND		11		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Carbon tetrachloride	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1

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

Client Sample ID: MC-SV-10_2
Date Collected: 11/30/20 12:10
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Chloroethane	ND		2.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Chloroform	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Chloromethane	ND		21		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Dibromochloromethane	ND		2.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Dibromomethane	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Dichlorodifluoromethane	ND		2.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Di-isopropyl ether (DIPE)	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Ethanol	ND		270		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Ethylbenzene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Ethyl-t-butyl ether (ETBE)	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Isopropylbenzene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Methylene Chloride	ND		11		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Methyl-t-Butyl Ether (MTBE)	ND		2.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Naphthalene	ND		11		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
n-Butylbenzene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
N-Propylbenzene	ND		2.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
o-Xylene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
m,p-Xylene	ND		2.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
p-Isopropyltoluene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
sec-Butylbenzene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Styrene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
trans-1,2-Dichloroethene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
trans-1,3-Dichloropropene	ND		2.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Tert-amyl-methyl ether (TAME)	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
tert-Butyl alcohol (TBA)	ND		21		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
tert-Butylbenzene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Tetrachloroethene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Toluene	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Trichloroethene	ND		2.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Trichlorofluoromethane	ND		11		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Vinyl acetate	ND		11		ug/Kg		12/01/20 11:36	12/01/20 16:08	1
Vinyl chloride	ND		1.1		ug/Kg		12/01/20 11:36	12/01/20 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*71 - 155*	*12/01/20 11:36*	*12/01/20 16:08*	*1*
4-Bromofluorobenzene (Surr)	*84*		*80 - 120*	*12/01/20 11:36*	*12/01/20 16:08*	*1*
Dibromofluoromethane (Surr)	*99*		*79 - 133*	*12/01/20 11:36*	*12/01/20 16:08*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*12/01/20 11:36*	*12/01/20 16:08*	*1*

Client Sample ID: MC-SV-10_5
Date Collected: 11/30/20 12:16
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
1,1,1-Trichloroethane	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
1,1,2,2-Tetrachloroethane	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.1		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
1,1,2-Trichloroethane	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
1,1-Dichloroethane	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1

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

Client Sample ID: MC-SV-10_5
Date Collected: 11/30/20 12:16
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
1,1-Dichloropropene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
1,2,3-Trichlorobenzene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
1,2,3-Trichloropropane	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
1,2,4-Trichlorobenzene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
1,2,4-Trimethylbenzene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
1,2-Dibromo-3-Chloropropane	ND		9.1		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
1,2-Dibromoethane	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
1,2-Dichlorobenzene	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
1,2-Dichloroethane	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
1,2-Dichloropropane	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
1,3,5-Trimethylbenzene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
1,3-Dichlorobenzene	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
1,3-Dichloropropane	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
1,4-Dichlorobenzene	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
2,2-Dichloropropane	ND		4.5		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
2-Butanone	ND		18		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
2-Chlorotoluene	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
2-Hexanone	ND		18		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
4-Chlorotoluene	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
4-Methyl-2-pentanone	ND		18		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Acetone	**25**		18		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Benzene	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Bromobenzene	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Bromochloromethane	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Bromodichloromethane	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Bromoform	ND		4.5		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Bromomethane	ND		18		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
cis-1,2-Dichloroethene	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
cis-1,3-Dichloropropene	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Carbon disulfide	ND		9.1		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Carbon tetrachloride	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Chlorobenzene	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Chloroethane	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Chloroform	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Chloromethane	ND		18		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Dibromochloromethane	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Dibromomethane	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Dichlorodifluoromethane	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Di-isopropyl ether (DIPE)	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Ethanol	ND		230		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Ethylbenzene	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Ethyl-t-butyl ether (ETBE)	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Isopropylbenzene	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Methylene Chloride	ND		9.1		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Methyl-t-Butyl Ether (MTBE)	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Naphthalene	ND		9.1		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
n-Butylbenzene	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
N-Propylbenzene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 16:36	1

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

Client Sample ID: MC-SV-10_5
Date Collected: 11/30/20 12:16
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
m,p-Xylene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
p-Isopropyltoluene	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
sec-Butylbenzene	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Styrene	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
trans-1,2-Dichloroethene	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
trans-1,3-Dichloropropene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Tert-amyl-methyl ether (TAME)	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
tert-Butyl alcohol (TBA)	ND		18		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
tert-Butylbenzene	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Tetrachloroethene	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Toluene	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Trichloroethene	ND		1.8		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Trichlorofluoromethane	ND		9.1		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Vinyl acetate	ND		9.1		ug/Kg		12/01/20 11:36	12/01/20 16:36	1
Vinyl chloride	ND		0.91		ug/Kg		12/01/20 11:36	12/01/20 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*71 - 155*	*12/01/20 11:36*	*12/01/20 16:36*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*	*12/01/20 11:36*	*12/01/20 16:36*	*1*
Dibromofluoromethane (Surr)	*99*		*79 - 133*	*12/01/20 11:36*	*12/01/20 16:36*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*12/01/20 11:36*	*12/01/20 16:36*	*1*

Client Sample ID: MPO-SV-12_2
Date Collected: 11/30/20 13:06
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-19
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
1,1,1-Trichloroethane	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
1,1,2,2-Tetrachloroethane	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.2		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
1,1,2-Trichloroethane	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
1,1-Dichloroethane	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
1,1-Dichloroethene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
1,1-Dichloropropene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
1,2,3-Trichlorobenzene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
1,2,3-Trichloropropane	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
1,2,4-Trichlorobenzene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
1,2,4-Trimethylbenzene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
1,2-Dibromo-3-Chloropropane	ND		8.2		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
1,2-Dibromoethane	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
1,2-Dichlorobenzene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
1,2-Dichloroethane	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
1,2-Dichloropropane	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
1,3,5-Trimethylbenzene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
1,3-Dichlorobenzene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
1,3-Dichloropropane	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
1,4-Dichlorobenzene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
2,2-Dichloropropane	ND		4.1		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
2-Butanone	ND		16		ug/Kg		12/01/20 11:36	12/01/20 17:07	1

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

Client Sample ID: MPO-SV-12_2
Date Collected: 11/30/20 13:06
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-19
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
2-Hexanone	ND		16		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
4-Chlorotoluene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
4-Methyl-2-pentanone	ND		16		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Acetone	**37**		16		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Benzene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Bromobenzene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Bromochloromethane	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Bromodichloromethane	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Bromoform	ND		4.1		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Bromomethane	ND		16		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
cis-1,2-Dichloroethene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
cis-1,3-Dichloropropene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Carbon disulfide	ND		8.2		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Carbon tetrachloride	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Chlorobenzene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Chloroethane	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Chloroform	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Chloromethane	ND		16		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Dibromochloromethane	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Dibromomethane	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Dichlorodifluoromethane	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Di-isopropyl ether (DIPE)	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Ethanol	ND		200		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Ethylbenzene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Ethyl-t-butyl ether (ETBE)	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Isopropylbenzene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Methylene Chloride	ND		8.2		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Methyl-t-Butyl Ether (MTBE)	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Naphthalene	ND		8.2		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
n-Butylbenzene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
N-Propylbenzene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
o-Xylene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
m,p-Xylene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
p-Isopropyltoluene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
sec-Butylbenzene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Styrene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
trans-1,2-Dichloroethene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
trans-1,3-Dichloropropene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Tert-amyl-methyl ether (TAME)	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
tert-Butyl alcohol (TBA)	ND		16		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
tert-Butylbenzene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Tetrachloroethene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Toluene	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Trichloroethene	ND		1.6		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Trichlorofluoromethane	ND		8.2		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Vinyl acetate	ND		8.2		ug/Kg		12/01/20 11:36	12/01/20 17:07	1
Vinyl chloride	ND		0.82		ug/Kg		12/01/20 11:36	12/01/20 17:07	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		71 - 155	12/01/20 11:36	12/01/20 17:07	1
4-Bromofluorobenzene (Surr)	96		80 - 120	12/01/20 11:36	12/01/20 17:07	1
Dibromofluoromethane (Surr)	104		79 - 133	12/01/20 11:36	12/01/20 17:07	1
Toluene-d8 (Surr)	98		80 - 120	12/01/20 11:36	12/01/20 17:07	1

Client Sample ID: MPO-SV-12_5
Date Collected: 11/30/20 13:12
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-20
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
1,1,1-Trichloroethane	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.8		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
1,1,2-Trichloroethane	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
1,1-Dichloroethane	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
1,1-Dichloroethene	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
1,1-Dichloropropene	ND		2.0		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
1,2-Dibromo-3-Chloropropane	ND		9.8		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
1,2-Dibromoethane	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
1,2-Dichlorobenzene	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
1,2-Dichloroethane	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
1,2-Dichloropropane	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
1,3-Dichlorobenzene	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
1,3-Dichloropropane	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
1,4-Dichlorobenzene	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
2,2-Dichloropropane	ND		4.9		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
2-Butanone	ND		20		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
2-Chlorotoluene	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
2-Hexanone	ND		20		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
4-Chlorotoluene	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
4-Methyl-2-pentanone	ND		20		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Acetone	ND		20		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Benzene	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Bromobenzene	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Bromochloromethane	ND		2.0		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Bromodichloromethane	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Bromoform	ND		4.9		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Bromomethane	ND		20		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
cis-1,2-Dichloroethene	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
cis-1,3-Dichloropropene	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Carbon disulfide	ND		9.8		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Carbon tetrachloride	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Chlorobenzene	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Chloroethane	ND		2.0		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Chloroform	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Chloromethane	ND		20		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Dibromochloromethane	ND		2.0		ug/Kg		12/01/20 11:36	12/01/20 17:34	1

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

Client Sample ID: MPO-SV-12_5
Date Collected: 11/30/20 13:12
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-20
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Di-isopropyl ether (DIPE)	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Ethanol	ND		250		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Ethylbenzene	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Ethyl-t-butyl ether (ETBE)	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Isopropylbenzene	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Methylene Chloride	ND		9.8		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Naphthalene	ND		9.8		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
n-Butylbenzene	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
N-Propylbenzene	ND		2.0		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
o-Xylene	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
m,p-Xylene	ND		2.0		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
p-Isopropyltoluene	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
sec-Butylbenzene	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Styrene	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
trans-1,2-Dichloroethene	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Tert-amyl-methyl ether (TAME)	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
tert-Butylbenzene	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Tetrachloroethene	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Toluene	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Trichloroethene	ND		2.0		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Trichlorofluoromethane	ND		9.8		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Vinyl acetate	ND		9.8		ug/Kg		12/01/20 11:36	12/01/20 17:34	1
Vinyl chloride	ND		0.98		ug/Kg		12/01/20 11:36	12/01/20 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*71 - 155*	*12/01/20 11:36*	*12/01/20 17:34*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*12/01/20 11:36*	*12/01/20 17:34*	*1*
Dibromofluoromethane (Surr)	*100*		*79 - 133*	*12/01/20 11:36*	*12/01/20 17:34*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*12/01/20 11:36*	*12/01/20 17:34*	*1*

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

Client Sample ID: MC-SV-12_2
Date Collected: 11/30/20 07:45
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
1,2-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
1,3-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
1,4-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
1,6,7-Trimethylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 12:43	1
1-Methylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
1-Methylphenanthrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 12:43	1
2,4,5-Trichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
2,4,6-Trichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
2,4-Dichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
2,4-Dinitrophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
2,4-Dinitrotoluene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
2,6-Dichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
2,6-Dimethylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 12:43	1
2,6-Dinitrotoluene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
2-Chloronaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
2-Chlorophenol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
2-Methylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
2-Methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
2-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
2-Nitrophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
3,3'-Dichlorobenzidine	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
3/4-Methylphenol	ND		0.099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
3-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
4,6-Dinitro-2-methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
4-Bromophenyl phenyl ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
4-Chloro-3-methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
4-Chloroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
4-Chlorophenyl phenyl ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
4-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
4-Nitrophenol	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Acenaphthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Acenaphthylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Aniline	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Azobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Benzidine	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Benzo[a]anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Benzo[a]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Benzo[b]fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Benzo[e]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 12:43	1
Benzo[g,h,i]perylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Benzo[k]fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Benzoic acid	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Benzyl alcohol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Biphenyl	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 12:43	1
Bis(2-chloroethoxy)methane	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Bis(2-chloroethyl)ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1

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

Client Sample ID: MC-SV-12_2
Date Collected: 11/30/20 07:45
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-Chloroisopropyl) ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Bis(2-ethylhexyl) phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Butyl benzyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Chrysene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
DCPA	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 12:43	1
Dibenz(a,h)anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Dibenzofuran	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Dibenzothiophene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 12:43	1
Diethyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Dimethyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Di-n-butyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Di-n-octyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Fluorene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Hexachloro-1,3-butadiene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Hexachlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Hexachlorocyclopentadiene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Hexachloroethane	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Indeno[1,2,3-cd]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Isophorone	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Naphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Nitrobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
N-Nitrosodimethylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
N-Nitrosodi-n-propylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
N-Nitrosodiphenylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Pentachlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Perthane	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 12:43	1
Perylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 12:43	1
Phenanthrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Phenol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1
Pyridine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*50*		*16 - 132*	*12/01/20 18:10*	*12/03/20 16:23*	*1*
2,4,6-Tribromophenol (Surr)	*50*		*16 - 132*	*12/01/20 18:10*	*12/04/20 12:43*	*1*
2-Fluorophenol (Surr)	*66*		*13 - 120*	*12/01/20 18:10*	*12/03/20 16:23*	*1*
2-Fluorophenol (Surr)	*69*		*13 - 120*	*12/01/20 18:10*	*12/04/20 12:43*	*1*
Nitrobenzene-d5 (Surr)	*60*		*14 - 120*	*12/01/20 18:10*	*12/03/20 16:23*	*1*
Nitrobenzene-d5 (Surr)	*45*		*14 - 120*	*12/01/20 18:10*	*12/04/20 12:43*	*1*
Phenol-d6 (Surr)	*67*		*12 - 120*	*12/01/20 18:10*	*12/03/20 16:23*	*1*
Phenol-d6 (Surr)	*66*		*12 - 120*	*12/01/20 18:10*	*12/04/20 12:43*	*1*
p-Terphenyl-d14 (Surr)	*64*		*24 - 120*	*12/01/20 18:10*	*12/03/20 16:23*	*1*
p-Terphenyl-d14 (Surr)	*64*		*24 - 120*	*12/01/20 18:10*	*12/04/20 12:43*	*1*
2-Fluorobiphenyl (Surr)	*58*		*19 - 120*	*12/01/20 18:10*	*12/03/20 16:23*	*1*
2-Fluorobiphenyl (Surr)	*53*		*19 - 120*	*12/01/20 18:10*	*12/04/20 12:43*	*1*

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

Client Sample ID: MC-SV-12_5
Date Collected: 11/30/20 07:54
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
1,2-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
1,3-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
1,4-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
1,6,7-Trimethylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:01	1
1-Methylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
1-Methylphenanthrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:01	1
2,4,5-Trichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
2,4,6-Trichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
2,4-Dichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
2,4-Dinitrophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
2,4-Dinitrotoluene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
2,6-Dichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
2,6-Dimethylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:01	1
2,6-Dinitrotoluene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
2-Chloronaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
2-Chlorophenol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
2-Methylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
2-Methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
2-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
2-Nitrophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
3,3'-Dichlorobenzidine	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
3/4-Methylphenol	ND		0.099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
3-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
4,6-Dinitro-2-methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
4-Bromophenyl phenyl ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
4-Chloro-3-methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
4-Chloroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
4-Chlorophenyl phenyl ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
4-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
4-Nitrophenol	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Acenaphthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Acenaphthylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Aniline	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Azobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Benzidine	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Benzo[a]anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Benzo[a]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Benzo[b]fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Benzo[e]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:01	1
Benzo[g,h,i]perylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Benzo[k]fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Benzoic acid	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Benzyl alcohol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Biphenyl	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:01	1
Bis(2-chloroethoxy)methane	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Bis(2-chloroethyl)ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1

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

Client Sample ID: MC-SV-12_5
Date Collected: 11/30/20 07:54
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-Chloroisopropyl) ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Bis(2-ethylhexyl) phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Butyl benzyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Chrysene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
DCPA	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:01	1
Dibenz(a,h)anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Dibenzofuran	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Dibenzothiophene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:01	1
Diethyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Dimethyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Di-n-butyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Di-n-octyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Fluorene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Hexachloro-1,3-butadiene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Hexachlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Hexachlorocyclopentadiene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Hexachloroethane	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Indeno[1,2,3-cd]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Isophorone	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Naphthalene	**0.014**		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Nitrobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
N-Nitrosodimethylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
N-Nitrosodi-n-propylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
N-Nitrosodiphenylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Pentachlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Perthane	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:01	1
Perylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:01	1
Phenanthrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Phenol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1
Pyridine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*56*		*16 - 132*	*12/01/20 18:10*	*12/03/20 16:41*	*1*
2,4,6-Tribromophenol (Surr)	*56*		*16 - 132*	*12/01/20 18:10*	*12/04/20 13:01*	*1*
2-Fluorophenol (Surr)	*73*		*13 - 120*	*12/01/20 18:10*	*12/03/20 16:41*	*1*
2-Fluorophenol (Surr)	*75*		*13 - 120*	*12/01/20 18:10*	*12/04/20 13:01*	*1*
Nitrobenzene-d5 (Surr)	*66*		*14 - 120*	*12/01/20 18:10*	*12/03/20 16:41*	*1*
Nitrobenzene-d5 (Surr)	*51*		*14 - 120*	*12/01/20 18:10*	*12/04/20 13:01*	*1*
Phenol-d6 (Surr)	*72*		*12 - 120*	*12/01/20 18:10*	*12/03/20 16:41*	*1*
Phenol-d6 (Surr)	*70*		*12 - 120*	*12/01/20 18:10*	*12/04/20 13:01*	*1*
p-Terphenyl-d14 (Surr)	*68*		*24 - 120*	*12/01/20 18:10*	*12/03/20 16:41*	*1*
p-Terphenyl-d14 (Surr)	*69*		*24 - 120*	*12/01/20 18:10*	*12/04/20 13:01*	*1*
2-Fluorobiphenyl (Surr)	*65*		*19 - 120*	*12/01/20 18:10*	*12/03/20 16:41*	*1*
2-Fluorobiphenyl (Surr)	*63*		*19 - 120*	*12/01/20 18:10*	*12/04/20 13:01*	*1*

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

Client Sample ID: MC-SV-9_2
Date Collected: 11/30/20 09:22
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
1,2-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
1,3-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
1,4-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
1,6,7-Trimethylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:20	1
1-Methylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
1-Methylphenanthrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:20	1
2,4,5-Trichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
2,4,6-Trichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
2,4-Dichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
2,4-Dinitrophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
2,4-Dinitrotoluene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
2,6-Dichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
2,6-Dimethylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:20	1
2,6-Dinitrotoluene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
2-Chloronaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
2-Chlorophenol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
2-Methylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
2-Methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
2-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
2-Nitrophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
3,3'-Dichlorobenzidine	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
3/4-Methylphenol	ND		0.099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
3-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
4,6-Dinitro-2-methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
4-Bromophenyl phenyl ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
4-Chloro-3-methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
4-Chloroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
4-Chlorophenyl phenyl ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
4-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
4-Nitrophenol	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Acenaphthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Acenaphthylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Aniline	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Azobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Benzidine	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Benzo[a]anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Benzo[a]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Benzo[b]fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Benzo[e]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:20	1
Benzo[g,h,i]perylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Benzo[k]fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Benzoic acid	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Benzyl alcohol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Biphenyl	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:20	1
Bis(2-chloroethoxy)methane	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Bis(2-chloroethyl)ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1

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

Client Sample ID: MC-SV-9_2
Date Collected: 11/30/20 09:22
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-Chloroisopropyl) ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Bis(2-ethylhexyl) phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Butyl benzyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Chrysene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
DCPA	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:20	1
Dibenz(a,h)anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Dibenzofuran	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Dibenzothiophene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:20	1
Diethyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Dimethyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Di-n-butyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Di-n-octyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Fluorene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Hexachloro-1,3-butadiene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Hexachlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Hexachlorocyclopentadiene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Hexachloroethane	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Indeno[1,2,3-cd]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Isophorone	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Naphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Nitrobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
N-Nitrosodimethylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
N-Nitrosodi-n-propylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
N-Nitrosodiphenylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Pentachlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Perthane	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:20	1
Perylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:20	1
Phenanthrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Phenol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1
Pyridine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*54*		*16 - 132*	*12/01/20 18:10*	*12/03/20 17:00*	*1*
2,4,6-Tribromophenol (Surr)	*55*		*16 - 132*	*12/01/20 18:10*	*12/04/20 13:20*	*1*
2-Fluorophenol (Surr)	*71*		*13 - 120*	*12/01/20 18:10*	*12/03/20 17:00*	*1*
2-Fluorophenol (Surr)	*75*		*13 - 120*	*12/01/20 18:10*	*12/04/20 13:20*	*1*
Nitrobenzene-d5 (Surr)	*66*		*14 - 120*	*12/01/20 18:10*	*12/03/20 17:00*	*1*
Nitrobenzene-d5 (Surr)	*50*		*14 - 120*	*12/01/20 18:10*	*12/04/20 13:20*	*1*
Phenol-d6 (Surr)	*72*		*12 - 120*	*12/01/20 18:10*	*12/03/20 17:00*	*1*
Phenol-d6 (Surr)	*71*		*12 - 120*	*12/01/20 18:10*	*12/04/20 13:20*	*1*
p-Terphenyl-d14 (Surr)	*66*		*24 - 120*	*12/01/20 18:10*	*12/03/20 17:00*	*1*
p-Terphenyl-d14 (Surr)	*65*		*24 - 120*	*12/01/20 18:10*	*12/04/20 13:20*	*1*
2-Fluorobiphenyl (Surr)	*63*		*19 - 120*	*12/01/20 18:10*	*12/03/20 17:00*	*1*
2-Fluorobiphenyl (Surr)	*58*		*19 - 120*	*12/01/20 18:10*	*12/04/20 13:20*	*1*

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

Client Sample ID: MC-SV-9_5
Date Collected: 11/30/20 09:26
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
1,2-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
1,3-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
1,4-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
1,6,7-Trimethylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:39	1
1-Methylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
1-Methylphenanthrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:39	1
2,4,5-Trichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
2,4,6-Trichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
2,4-Dichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
2,4-Dinitrophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
2,4-Dinitrotoluene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
2,6-Dichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
2,6-Dimethylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:39	1
2,6-Dinitrotoluene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
2-Chloronaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
2-Chlorophenol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
2-Methylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
2-Methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
2-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
2-Nitrophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
3,3'-Dichlorobenzidine	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
3/4-Methylphenol	ND		0.099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
3-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
4,6-Dinitro-2-methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
4-Bromophenyl phenyl ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
4-Chloro-3-methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
4-Chloroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
4-Chlorophenyl phenyl ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
4-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
4-Nitrophenol	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Acenaphthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Acenaphthylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Aniline	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Azobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Benzidine	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Benzo[a]anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Benzo[a]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Benzo[b]fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Benzo[e]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:39	1
Benzo[g,h,i]perylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Benzo[k]fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Benzoic acid	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Benzyl alcohol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Biphenyl	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:39	1
Bis(2-chloroethoxy)methane	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Bis(2-chloroethyl)ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1

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

Client Sample ID: MC-SV-9_5
Date Collected: 11/30/20 09:26
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-Chloroisopropyl) ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Bis(2-ethylhexyl) phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Butyl benzyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Chrysene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
DCPA	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:39	1
Dibenz(a,h)anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Dibenzofuran	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Dibenzothiophene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:39	1
Diethyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Dimethyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Di-n-butyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Di-n-octyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Fluorene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Hexachloro-1,3-butadiene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Hexachlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Hexachlorocyclopentadiene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Hexachloroethane	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Indeno[1,2,3-cd]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Isophorone	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Naphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Nitrobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
N-Nitrosodimethylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
N-Nitrosodi-n-propylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
N-Nitrosodiphenylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Pentachlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Perthane	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:39	1
Perylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:39	1
Phenanthrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Phenol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1
Pyridine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*46*		*16 - 132*	*12/01/20 18:10*	*12/03/20 17:18*	*1*
2,4,6-Tribromophenol (Surr)	*47*		*16 - 132*	*12/01/20 18:10*	*12/04/20 13:39*	*1*
2-Fluorophenol (Surr)	*64*		*13 - 120*	*12/01/20 18:10*	*12/03/20 17:18*	*1*
2-Fluorophenol (Surr)	*65*		*13 - 120*	*12/01/20 18:10*	*12/04/20 13:39*	*1*
Nitrobenzene-d5 (Surr)	*56*		*14 - 120*	*12/01/20 18:10*	*12/03/20 17:18*	*1*
Nitrobenzene-d5 (Surr)	*43*		*14 - 120*	*12/01/20 18:10*	*12/04/20 13:39*	*1*
Phenol-d6 (Surr)	*63*		*12 - 120*	*12/01/20 18:10*	*12/03/20 17:18*	*1*
Phenol-d6 (Surr)	*62*		*12 - 120*	*12/01/20 18:10*	*12/04/20 13:39*	*1*
p-Terphenyl-d14 (Surr)	*59*		*24 - 120*	*12/01/20 18:10*	*12/03/20 17:18*	*1*
p-Terphenyl-d14 (Surr)	*61*		*24 - 120*	*12/01/20 18:10*	*12/04/20 13:39*	*1*
2-Fluorobiphenyl (Surr)	*55*		*19 - 120*	*12/01/20 18:10*	*12/03/20 17:18*	*1*
2-Fluorobiphenyl (Surr)	*51*		*19 - 120*	*12/01/20 18:10*	*12/04/20 13:39*	*1*

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

Client Sample ID: MC-SV-7_2
Date Collected: 11/30/20 10:23
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
1,2-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
1,3-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
1,4-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
1,6,7-Trimethylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:57	1
1-Methylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
1-Methylphenanthrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:57	1
2,4,5-Trichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
2,4,6-Trichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
2,4-Dichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
2,4-Dinitrophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
2,4-Dinitrotoluene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
2,6-Dichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
2,6-Dimethylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:57	1
2,6-Dinitrotoluene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
2-Chloronaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
2-Chlorophenol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
2-Methylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
2-Methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
2-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
2-Nitrophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
3,3'-Dichlorobenzidine	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
3/4-Methylphenol	ND		0.099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
3-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
4,6-Dinitro-2-methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
4-Bromophenyl phenyl ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
4-Chloro-3-methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
4-Chloroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
4-Chlorophenyl phenyl ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
4-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
4-Nitrophenol	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Acenaphthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Acenaphthylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Aniline	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Azobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Benzidine	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Benzo[a]anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Benzo[a]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Benzo[b]fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Benzo[e]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:57	1
Benzo[g,h,i]perylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Benzo[k]fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Benzoic acid	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Benzyl alcohol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Biphenyl	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:57	1
Bis(2-chloroethoxy)methane	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Bis(2-chloroethyl)ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1

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

Client Sample ID: MC-SV-7_2
Date Collected: 11/30/20 10:23
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-Chloroisopropyl) ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Bis(2-ethylhexyl) phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Butyl benzyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Chrysene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
DCPA	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:57	1
Dibenz(a,h)anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Dibenzofuran	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Dibenzothiophene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:57	1
Diethyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Dimethyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Di-n-butyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Di-n-octyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Fluorene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Hexachloro-1,3-butadiene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Hexachlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Hexachlorocyclopentadiene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Hexachloroethane	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Indeno[1,2,3-cd]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Isophorone	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Naphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Nitrobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
N-Nitrosodimethylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
N-Nitrosodi-n-propylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
N-Nitrosodiphenylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Pentachlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Perthane	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:57	1
Perylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 13:57	1
Phenanthrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Phenol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1
Pyridine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*53*		*16 - 132*	*12/01/20 18:10*	*12/03/20 17:36*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*16 - 132*	*12/01/20 18:10*	*12/04/20 13:57*	*1*
2-Fluorophenol (Surr)	*72*		*13 - 120*	*12/01/20 18:10*	*12/03/20 17:36*	*1*
2-Fluorophenol (Surr)	*73*		*13 - 120*	*12/01/20 18:10*	*12/04/20 13:57*	*1*
Nitrobenzene-d5 (Surr)	*62*		*14 - 120*	*12/01/20 18:10*	*12/03/20 17:36*	*1*
Nitrobenzene-d5 (Surr)	*48*		*14 - 120*	*12/01/20 18:10*	*12/04/20 13:57*	*1*
Phenol-d6 (Surr)	*72*		*12 - 120*	*12/01/20 18:10*	*12/03/20 17:36*	*1*
Phenol-d6 (Surr)	*68*		*12 - 120*	*12/01/20 18:10*	*12/04/20 13:57*	*1*
p-Terphenyl-d14 (Surr)	*65*		*24 - 120*	*12/01/20 18:10*	*12/03/20 17:36*	*1*
p-Terphenyl-d14 (Surr)	*65*		*24 - 120*	*12/01/20 18:10*	*12/04/20 13:57*	*1*
2-Fluorobiphenyl (Surr)	*60*		*19 - 120*	*12/01/20 18:10*	*12/03/20 17:36*	*1*
2-Fluorobiphenyl (Surr)	*57*		*19 - 120*	*12/01/20 18:10*	*12/04/20 13:57*	*1*

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

Client Sample ID: MC-SV-7_5
Date Collected: 11/30/20 10:29
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
1,2-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
1,3-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
1,4-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
1,6,7-Trimethylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:16	1
1-Methylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
1-Methylphenanthrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:16	1
2,4,5-Trichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
2,4,6-Trichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
2,4-Dichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
2,4-Dinitrophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
2,4-Dinitrotoluene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
2,6-Dichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
2,6-Dimethylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:16	1
2,6-Dinitrotoluene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
2-Chloronaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
2-Chlorophenol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
2-Methylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
2-Methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
2-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
2-Nitrophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
3,3'-Dichlorobenzidine	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
3/4-Methylphenol	ND		0.099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
3-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
4,6-Dinitro-2-methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
4-Bromophenyl phenyl ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
4-Chloro-3-methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
4-Chloroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
4-Chlorophenyl phenyl ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
4-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
4-Nitrophenol	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Acenaphthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Acenaphthylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Aniline	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Azobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Benzidine	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Benzo[a]anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Benzo[a]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Benzo[b]fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Benzo[e]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:16	1
Benzo[g,h,i]perylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Benzo[k]fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Benzoic acid	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Benzyl alcohol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Biphenyl	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:16	1
Bis(2-chloroethoxy)methane	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Bis(2-chloroethyl)ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1

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

Client Sample ID: MC-SV-7_5
Date Collected: 11/30/20 10:29
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-Chloroisopropyl) ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Bis(2-ethylhexyl) phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Butyl benzyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Chrysene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
DCPA	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:16	1
Dibenz(a,h)anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Dibenzofuran	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Dibenzothiophene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:16	1
Diethyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Dimethyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Di-n-butyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Di-n-octyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Fluorene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Hexachloro-1,3-butadiene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Hexachlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Hexachlorocyclopentadiene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Hexachloroethane	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Indeno[1,2,3-cd]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Isophorone	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Naphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Nitrobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
N-Nitrosodimethylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
N-Nitrosodi-n-propylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
N-Nitrosodiphenylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Pentachlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Perthane	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:16	1
Perylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:16	1
Phenanthrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Phenol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1
Pyridine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*36*		*16 - 132*	*12/01/20 18:10*	*12/03/20 17:54*	*1*
2,4,6-Tribromophenol (Surr)	*45*		*16 - 132*	*12/01/20 18:10*	*12/04/20 14:16*	*1*
2-Fluorophenol (Surr)	*62*		*13 - 120*	*12/01/20 18:10*	*12/03/20 17:54*	*1*
2-Fluorophenol (Surr)	*62*		*13 - 120*	*12/01/20 18:10*	*12/04/20 14:16*	*1*
Nitrobenzene-d5 (Surr)	*53*		*14 - 120*	*12/01/20 18:10*	*12/03/20 17:54*	*1*
Nitrobenzene-d5 (Surr)	*44*		*14 - 120*	*12/01/20 18:10*	*12/04/20 14:16*	*1*
Phenol-d6 (Surr)	*63*		*12 - 120*	*12/01/20 18:10*	*12/03/20 17:54*	*1*
Phenol-d6 (Surr)	*59*		*12 - 120*	*12/01/20 18:10*	*12/04/20 14:16*	*1*
p-Terphenyl-d14 (Surr)	*61*		*24 - 120*	*12/01/20 18:10*	*12/03/20 17:54*	*1*
p-Terphenyl-d14 (Surr)	*61*		*24 - 120*	*12/01/20 18:10*	*12/04/20 14:16*	*1*
2-Fluorobiphenyl (Surr)	*57*		*19 - 120*	*12/01/20 18:10*	*12/03/20 17:54*	*1*
2-Fluorobiphenyl (Surr)	*53*		*19 - 120*	*12/01/20 18:10*	*12/04/20 14:16*	*1*

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

Client Sample ID: MC-SV-10_2
Date Collected: 11/30/20 12:10
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
1,2-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
1,3-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
1,4-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
1,6,7-Trimethylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:34	1
1-Methylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
1-Methylphenanthrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:34	1
2,4,5-Trichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
2,4,6-Trichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
2,4-Dichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
2,4-Dinitrophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
2,4-Dinitrotoluene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
2,6-Dichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
2,6-Dimethylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:34	1
2,6-Dinitrotoluene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
2-Chloronaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
2-Chlorophenol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
2-Methylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
2-Methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
2-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
2-Nitrophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
3,3'-Dichlorobenzidine	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
3/4-Methylphenol	ND		0.099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
3-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
4,6-Dinitro-2-methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
4-Bromophenyl phenyl ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
4-Chloro-3-methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
4-Chloroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
4-Chlorophenyl phenyl ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
4-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
4-Nitrophenol	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Acenaphthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Acenaphthylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Aniline	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Azobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Benzidine	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Benzo[a]anthracene	**0.012**		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Benzo[a]pyrene	**0.010**		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Benzo[b]fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Benzo[e]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:34	1
Benzo[g,h,i]perylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Benzo[k]fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Benzoic acid	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Benzyl alcohol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Biphenyl	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:34	1
Bis(2-chloroethoxy)methane	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Bis(2-chloroethyl)ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1

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

Client Sample ID: MC-SV-10_2
Date Collected: 11/30/20 12:10
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-Chloroisopropyl) ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Bis(2-ethylhexyl) phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Butyl benzyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Chrysene	**0.012**		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
DCPA	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:34	1
Dibenz(a,h)anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Dibenzofuran	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Dibenzothiophene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:34	1
Diethyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Dimethyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Di-n-butyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Di-n-octyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Fluoranthene	**0.020**		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Fluorene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Hexachloro-1,3-butadiene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Hexachlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Hexachlorocyclopentadiene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Hexachloroethane	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Indeno[1,2,3-cd]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Isophorone	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Naphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Nitrobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
N-Nitrosodimethylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
N-Nitrosodi-n-propylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
N-Nitrosodiphenylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Pentachlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Perthane	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:34	1
Perylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:34	1
Phenanthrene	**0.011**		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Phenol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Pyrene	**0.023**		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1
Pyridine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*52*		*16 - 132*	*12/01/20 18:10*	*12/03/20 18:12*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*16 - 132*	*12/01/20 18:10*	*12/04/20 14:34*	*1*
2-Fluorophenol (Surr)	*74*		*13 - 120*	*12/01/20 18:10*	*12/03/20 18:12*	*1*
2-Fluorophenol (Surr)	*75*		*13 - 120*	*12/01/20 18:10*	*12/04/20 14:34*	*1*
Nitrobenzene-d5 (Surr)	*65*		*14 - 120*	*12/01/20 18:10*	*12/03/20 18:12*	*1*
Nitrobenzene-d5 (Surr)	*50*		*14 - 120*	*12/01/20 18:10*	*12/04/20 14:34*	*1*
Phenol-d6 (Surr)	*75*		*12 - 120*	*12/01/20 18:10*	*12/03/20 18:12*	*1*
Phenol-d6 (Surr)	*70*		*12 - 120*	*12/01/20 18:10*	*12/04/20 14:34*	*1*
p-Terphenyl-d14 (Surr)	*69*		*24 - 120*	*12/01/20 18:10*	*12/03/20 18:12*	*1*
p-Terphenyl-d14 (Surr)	*70*		*24 - 120*	*12/01/20 18:10*	*12/04/20 14:34*	*1*
2-Fluorobiphenyl (Surr)	*64*		*19 - 120*	*12/01/20 18:10*	*12/03/20 18:12*	*1*
2-Fluorobiphenyl (Surr)	*60*		*19 - 120*	*12/01/20 18:10*	*12/04/20 14:34*	*1*

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

Client Sample ID: MC-SV-10_5
Date Collected: 11/30/20 12:16
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
1,2-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
1,3-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
1,4-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
1,6,7-Trimethylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:53	1
1-Methylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
1-Methylphenanthrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:53	1
2,4,5-Trichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
2,4,6-Trichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
2,4-Dichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
2,4-Dinitrophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
2,4-Dinitrotoluene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
2,6-Dichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
2,6-Dimethylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:53	1
2,6-Dinitrotoluene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
2-Chloronaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
2-Chlorophenol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
2-Methylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
2-Methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
2-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
2-Nitrophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
3,3'-Dichlorobenzidine	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
3/4-Methylphenol	ND		0.099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
3-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
4,6-Dinitro-2-methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
4-Bromophenyl phenyl ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
4-Chloro-3-methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
4-Chloroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
4-Chlorophenyl phenyl ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
4-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
4-Nitrophenol	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Acenaphthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Acenaphthylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Aniline	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Azobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Benzidine	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Benzo[a]anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Benzo[a]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Benzo[b]fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Benzo[e]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:53	1
Benzo[g,h,i]perylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Benzo[k]fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Benzoic acid	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Benzyl alcohol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Biphenyl	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:53	1
Bis(2-chloroethoxy)methane	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Bis(2-chloroethyl)ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1

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

Client Sample ID: MC-SV-10_5
Date Collected: 11/30/20 12:16
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-Chloroisopropyl) ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Bis(2-ethylhexyl) phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Butyl benzyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Chrysene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
DCPA	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:53	1
Dibenz(a,h)anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Dibenzofuran	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Dibenzothiophene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:53	1
Diethyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Dimethyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Di-n-butyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Di-n-octyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Fluoranthene	**0.011**		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Fluorene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Hexachloro-1,3-butadiene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Hexachlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Hexachlorocyclopentadiene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Hexachloroethane	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Indeno[1,2,3-cd]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Isophorone	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Naphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Nitrobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
N-Nitrosodimethylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
N-Nitrosodi-n-propylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
N-Nitrosodiphenylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Pentachlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Perthane	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:53	1
Perylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 14:53	1
Phenanthrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Phenol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Pyrene	**0.011**		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1
Pyridine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*54*		*16 - 132*	*12/01/20 18:10*	*12/03/20 18:31*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*16 - 132*	*12/01/20 18:10*	*12/04/20 14:53*	*1*
2-Fluorophenol (Surr)	*76*		*13 - 120*	*12/01/20 18:10*	*12/03/20 18:31*	*1*
2-Fluorophenol (Surr)	*78*		*13 - 120*	*12/01/20 18:10*	*12/04/20 14:53*	*1*
Nitrobenzene-d5 (Surr)	*66*		*14 - 120*	*12/01/20 18:10*	*12/03/20 18:31*	*1*
Nitrobenzene-d5 (Surr)	*52*		*14 - 120*	*12/01/20 18:10*	*12/04/20 14:53*	*1*
Phenol-d6 (Surr)	*77*		*12 - 120*	*12/01/20 18:10*	*12/03/20 18:31*	*1*
Phenol-d6 (Surr)	*74*		*12 - 120*	*12/01/20 18:10*	*12/04/20 14:53*	*1*
p-Terphenyl-d14 (Surr)	*68*		*24 - 120*	*12/01/20 18:10*	*12/03/20 18:31*	*1*
p-Terphenyl-d14 (Surr)	*70*		*24 - 120*	*12/01/20 18:10*	*12/04/20 14:53*	*1*
2-Fluorobiphenyl (Surr)	*64*		*19 - 120*	*12/01/20 18:10*	*12/03/20 18:31*	*1*
2-Fluorobiphenyl (Surr)	*60*		*19 - 120*	*12/01/20 18:10*	*12/04/20 14:53*	*1*

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

Client Sample ID: MPO-SV-12_2
Date Collected: 11/30/20 13:06
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-19
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
1,2-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
1,3-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
1,4-Dichlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
1,6,7-Trimethylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 15:12	1
1-Methylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
1-Methylphenanthrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 15:12	1
2,4,5-Trichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
2,4,6-Trichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
2,4-Dichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
2,4-Dinitrophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
2,4-Dinitrotoluene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
2,6-Dichlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
2,6-Dimethylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 15:12	1
2,6-Dinitrotoluene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
2-Chloronaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
2-Chlorophenol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
2-Methylnaphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
2-Methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
2-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
2-Nitrophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
3,3'-Dichlorobenzidine	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
3/4-Methylphenol	ND		0.099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
3-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
4,6-Dinitro-2-methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
4-Bromophenyl phenyl ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
4-Chloro-3-methylphenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
4-Chloroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
4-Chlorophenyl phenyl ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
4-Nitroaniline	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
4-Nitrophenol	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Acenaphthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Acenaphthylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Aniline	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Azobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Benzidine	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Benzo[a]anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Benzo[a]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Benzo[b]fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Benzo[e]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 15:12	1
Benzo[g,h,i]perylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Benzo[k]fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Benzoic acid	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Benzyl alcohol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Biphenyl	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 15:12	1
Bis(2-chloroethoxy)methane	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Bis(2-chloroethyl)ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1

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

Client Sample ID: MPO-SV-12_2
Date Collected: 11/30/20 13:06
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-19
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-Chloroisopropyl) ether	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Bis(2-ethylhexyl) phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Butyl benzyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Chrysene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
DCPA	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 15:12	1
Dibenz(a,h)anthracene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Dibenzofuran	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Dibenzothiophene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 15:12	1
Diethyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Dimethyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Di-n-butyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Di-n-octyl phthalate	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Fluoranthene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Fluorene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Hexachloro-1,3-butadiene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Hexachlorobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Hexachlorocyclopentadiene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Hexachloroethane	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Indeno[1,2,3-cd]pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Isophorone	ND		0.50		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Naphthalene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Nitrobenzene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
N-Nitrosodimethylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
N-Nitrosodi-n-propylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
N-Nitrosodiphenylamine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Pentachlorophenol	ND		0.25		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Perthane	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 15:12	1
Perylene	ND		0.0099		mg/Kg		12/01/20 18:10	12/04/20 15:12	1
Phenanthrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Phenol	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Pyrene	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1
Pyridine	ND		0.0099		mg/Kg		12/01/20 18:10	12/03/20 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*60*		*16 - 132*	*12/01/20 18:10*	*12/03/20 18:49*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*16 - 132*	*12/01/20 18:10*	*12/04/20 15:12*	*1*
2-Fluorophenol (Surr)	*81*		*13 - 120*	*12/01/20 18:10*	*12/03/20 18:49*	*1*
2-Fluorophenol (Surr)	*81*		*13 - 120*	*12/01/20 18:10*	*12/04/20 15:12*	*1*
Nitrobenzene-d5 (Surr)	*71*		*14 - 120*	*12/01/20 18:10*	*12/03/20 18:49*	*1*
Nitrobenzene-d5 (Surr)	*55*		*14 - 120*	*12/01/20 18:10*	*12/04/20 15:12*	*1*
Phenol-d6 (Surr)	*81*		*12 - 120*	*12/01/20 18:10*	*12/03/20 18:49*	*1*
Phenol-d6 (Surr)	*78*		*12 - 120*	*12/01/20 18:10*	*12/04/20 15:12*	*1*
p-Terphenyl-d14 (Surr)	*74*		*24 - 120*	*12/01/20 18:10*	*12/03/20 18:49*	*1*
p-Terphenyl-d14 (Surr)	*73*		*24 - 120*	*12/01/20 18:10*	*12/04/20 15:12*	*1*
2-Fluorobiphenyl (Surr)	*70*		*19 - 120*	*12/01/20 18:10*	*12/03/20 18:49*	*1*
2-Fluorobiphenyl (Surr)	*66*		*19 - 120*	*12/01/20 18:10*	*12/04/20 15:12*	*1*

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

Client Sample ID: MC-SV-12_2
Date Collected: 11/30/20 07:45
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:34	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:34	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:34	1
C9-C10	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:34	1
C11-C12	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:34	1
C13-C14	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:34	1
C15-C16	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:34	1
C17-C18	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:34	1
C19-C20	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:34	1
C21-C22	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:34	1
C23-C24	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:34	1
C25-C28	**5.1**		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:34	1
C29-C32	**9.2**		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:34	1
C33-C36	**8.9**		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:34	1
C37-C40	**7.1**		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:34	1
C41-C44	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:34	1
C6-C44	**11**		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*74*		*61 - 145*	*12/01/20 18:40*	*12/03/20 09:34*	*1*

Client Sample ID: MC-SV-12_5
Date Collected: 11/30/20 07:54
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:55	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:55	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:55	1
C9-C10	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:55	1
C11-C12	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:55	1
C13-C14	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:55	1
C15-C16	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:55	1
C17-C18	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:55	1
C19-C20	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:55	1
C21-C22	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:55	1
C23-C24	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:55	1
C25-C28	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:55	1
C29-C32	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:55	1
C33-C36	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:55	1
C37-C40	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:55	1
C41-C44	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:55	1
C6-C44	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 09:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*88*		*61 - 145*	*12/01/20 18:40*	*12/03/20 09:55*	*1*

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

Client Sample ID: MC-SV-9_2
Date Collected: 11/30/20 09:22
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:15	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:15	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:15	1
C9-C10	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:15	1
C11-C12	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:15	1
C13-C14	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:15	1
C15-C16	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:15	1
C17-C18	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:15	1
C19-C20	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:15	1
C21-C22	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:15	1
C23-C24	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:15	1
C25-C28	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:15	1
C29-C32	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:15	1
C33-C36	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:15	1
C37-C40	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:15	1
C41-C44	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:15	1
C6-C44	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*89*		*61 - 145*	*12/01/20 18:40*	*12/03/20 10:15*	*1*

Client Sample ID: MC-SV-9_5
Date Collected: 11/30/20 09:26
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:36	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:36	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:36	1
C9-C10	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:36	1
C11-C12	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:36	1
C13-C14	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:36	1
C15-C16	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:36	1
C17-C18	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:36	1
C19-C20	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:36	1
C21-C22	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:36	1
C23-C24	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:36	1
C25-C28	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:36	1
C29-C32	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:36	1
C33-C36	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:36	1
C37-C40	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:36	1
C41-C44	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:36	1
C6-C44	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*86*		*61 - 145*	*12/01/20 18:40*	*12/03/20 10:36*	*1*

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

Client Sample ID: MC-SV-7_2
Date Collected: 11/30/20 10:23
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:56	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:56	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:56	1
C9-C10	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:56	1
C11-C12	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:56	1
C13-C14	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:56	1
C15-C16	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:56	1
C17-C18	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:56	1
C19-C20	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:56	1
C21-C22	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:56	1
C23-C24	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:56	1
C25-C28	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:56	1
C29-C32	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:56	1
C33-C36	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:56	1
C37-C40	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:56	1
C41-C44	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:56	1
C6-C44	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 10:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*81*		*61 - 145*	*12/01/20 18:40*	*12/03/20 10:56*	*1*

Client Sample ID: MC-SV-7_5
Date Collected: 11/30/20 10:29
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:01	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:01	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:01	1
C9-C10	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:01	1
C11-C12	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:01	1
C13-C14	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:01	1
C15-C16	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:01	1
C17-C18	**5.8**		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:01	1
C19-C20	**5.8**		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:01	1
C21-C22	**7.2**		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:01	1
C23-C24	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:01	1
C25-C28	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:01	1
C29-C32	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:01	1
C33-C36	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:01	1
C37-C40	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:01	1
C41-C44	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:01	1
C6-C44	**9.0**		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*97*		*61 - 145*	*12/01/20 18:40*	*12/03/20 14:01*	*1*

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

Client Sample ID: MC-SV-10_2
Date Collected: 11/30/20 12:10
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:39	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:39	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:39	1
C9-C10	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:39	1
C11-C12	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:39	1
C13-C14	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:39	1
C15-C16	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:39	1
C17-C18	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:39	1
C19-C20	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:39	1
C21-C22	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:39	1
C23-C24	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:39	1
C25-C28	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:39	1
C29-C32	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:39	1
C33-C36	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:39	1
C37-C40	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:39	1
C41-C44	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:39	1
C6-C44	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*75*		*61 - 145*	*12/01/20 18:40*	*12/03/20 11:39*	*1*

Client Sample ID: MC-SV-10_5
Date Collected: 11/30/20 12:16
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:22	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:22	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:22	1
C9-C10	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:22	1
C11-C12	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:22	1
C13-C14	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:22	1
C15-C16	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:22	1
C17-C18	**6.3**		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:22	1
C19-C20	**6.4**		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:22	1
C21-C22	**7.9**		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:22	1
C23-C24	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:22	1
C25-C28	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:22	1
C29-C32	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:22	1
C33-C36	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:22	1
C37-C40	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:22	1
C41-C44	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:22	1
C6-C44	**9.2**		5.0		mg/Kg		12/01/20 18:40	12/03/20 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*91*		*61 - 145*	*12/01/20 18:40*	*12/03/20 14:22*	*1*

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

Client Sample ID: MPO-SV-12_2
Date Collected: 11/30/20 13:06
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-19
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 12:19	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 12:19	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 12:19	1
C9-C10	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 12:19	1
C11-C12	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 12:19	1
C13-C14	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 12:19	1
C15-C16	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 12:19	1
C17-C18	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 12:19	1
C19-C20	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 12:19	1
C21-C22	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 12:19	1
C23-C24	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 12:19	1
C25-C28	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 12:19	1
C29-C32	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 12:19	1
C33-C36	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 12:19	1
C37-C40	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 12:19	1
C41-C44	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 12:19	1
C6-C44	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*82*		*61 - 145*	*12/01/20 18:40*	*12/03/20 12:19*	*1*

Client Sample ID: MPO-SV-12_5
Date Collected: 11/30/20 13:12
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-20
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:59	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:59	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:59	1
C9-C10	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:59	1
C11-C12	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:59	1
C13-C14	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:59	1
C15-C16	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:59	1
C17-C18	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:59	1
C19-C20	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:59	1
C21-C22	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:59	1
C23-C24	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:59	1
C25-C28	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:59	1
C29-C32	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:59	1
C33-C36	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:59	1
C37-C40	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:59	1
C41-C44	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:59	1
C6-C44	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 11:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*161*	*X*	*61 - 145*	*12/01/20 18:40*	*12/03/20 11:59*	*1*

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

Client Sample ID: MC-SV-12_2
Date Collected: 11/30/20 07:45
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/01/20 15:39	12/02/20 12:24	1
Aroclor-1221	ND		50		ug/Kg		12/01/20 15:39	12/02/20 12:24	1
Aroclor-1232	ND		50		ug/Kg		12/01/20 15:39	12/02/20 12:24	1
Aroclor-1242	ND		50		ug/Kg		12/01/20 15:39	12/02/20 12:24	1
Aroclor-1248	ND		50		ug/Kg		12/01/20 15:39	12/02/20 12:24	1
Aroclor-1254	ND		50		ug/Kg		12/01/20 15:39	12/02/20 12:24	1
Aroclor-1260	ND		50		ug/Kg		12/01/20 15:39	12/02/20 12:24	1
Aroclor-1262	ND		50		ug/Kg		12/01/20 15:39	12/02/20 12:24	1
Aroclor-1268	ND		50		ug/Kg		12/01/20 15:39	12/02/20 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*20 - 155*	*12/01/20 15:39*	*12/02/20 12:24*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*25 - 126*	*12/01/20 15:39*	*12/02/20 12:24*	*1*

Client Sample ID: MC-SV-12_5
Date Collected: 11/30/20 07:54
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/01/20 15:39	12/02/20 13:36	1
Aroclor-1221	ND		50		ug/Kg		12/01/20 15:39	12/02/20 13:36	1
Aroclor-1232	ND		50		ug/Kg		12/01/20 15:39	12/02/20 13:36	1
Aroclor-1242	ND		50		ug/Kg		12/01/20 15:39	12/02/20 13:36	1
Aroclor-1248	ND		50		ug/Kg		12/01/20 15:39	12/02/20 13:36	1
Aroclor-1254	ND		50		ug/Kg		12/01/20 15:39	12/02/20 13:36	1
Aroclor-1260	ND		50		ug/Kg		12/01/20 15:39	12/02/20 13:36	1
Aroclor-1262	ND		50		ug/Kg		12/01/20 15:39	12/02/20 13:36	1
Aroclor-1268	ND		50		ug/Kg		12/01/20 15:39	12/02/20 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*46*		*20 - 155*	*12/01/20 15:39*	*12/02/20 13:36*	*1*
Tetrachloro-m-xylene (Surr)	*59*		*25 - 126*	*12/01/20 15:39*	*12/02/20 13:36*	*1*

Client Sample ID: MC-SV-9_2
Date Collected: 11/30/20 09:22
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/01/20 15:39	12/02/20 13:54	1
Aroclor-1221	ND		50		ug/Kg		12/01/20 15:39	12/02/20 13:54	1
Aroclor-1232	ND		50		ug/Kg		12/01/20 15:39	12/02/20 13:54	1
Aroclor-1242	ND		50		ug/Kg		12/01/20 15:39	12/02/20 13:54	1
Aroclor-1248	ND		50		ug/Kg		12/01/20 15:39	12/02/20 13:54	1
Aroclor-1254	ND		50		ug/Kg		12/01/20 15:39	12/02/20 13:54	1
Aroclor-1260	ND		50		ug/Kg		12/01/20 15:39	12/02/20 13:54	1
Aroclor-1262	ND		50		ug/Kg		12/01/20 15:39	12/02/20 13:54	1
Aroclor-1268	ND		50		ug/Kg		12/01/20 15:39	12/02/20 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*20 - 155*	*12/01/20 15:39*	*12/02/20 13:54*	*1*
Tetrachloro-m-xylene (Surr)	*62*		*25 - 126*	*12/01/20 15:39*	*12/02/20 13:54*	*1*

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

Client Sample ID: MC-SV-9_5
Date Collected: 11/30/20 09:26
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/01/20 15:39	12/02/20 14:12	1
Aroclor-1221	ND		50		ug/Kg		12/01/20 15:39	12/02/20 14:12	1
Aroclor-1232	ND		50		ug/Kg		12/01/20 15:39	12/02/20 14:12	1
Aroclor-1242	ND		50		ug/Kg		12/01/20 15:39	12/02/20 14:12	1
Aroclor-1248	ND		50		ug/Kg		12/01/20 15:39	12/02/20 14:12	1
Aroclor-1254	ND		50		ug/Kg		12/01/20 15:39	12/02/20 14:12	1
Aroclor-1260	ND		50		ug/Kg		12/01/20 15:39	12/02/20 14:12	1
Aroclor-1262	ND		50		ug/Kg		12/01/20 15:39	12/02/20 14:12	1
Aroclor-1268	ND		50		ug/Kg		12/01/20 15:39	12/02/20 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*65*		*20 - 155*	*12/01/20 15:39*	*12/02/20 14:12*	*1*
Tetrachloro-m-xylene (Surr)	*65*		*25 - 126*	*12/01/20 15:39*	*12/02/20 14:12*	*1*

Client Sample ID: MC-SV-7_2
Date Collected: 11/30/20 10:23
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		49		ug/Kg		12/01/20 15:39	12/02/20 14:30	1
Aroclor-1221	ND		49		ug/Kg		12/01/20 15:39	12/02/20 14:30	1
Aroclor-1232	ND		49		ug/Kg		12/01/20 15:39	12/02/20 14:30	1
Aroclor-1242	ND		49		ug/Kg		12/01/20 15:39	12/02/20 14:30	1
Aroclor-1248	ND		49		ug/Kg		12/01/20 15:39	12/02/20 14:30	1
Aroclor-1254	ND		49		ug/Kg		12/01/20 15:39	12/02/20 14:30	1
Aroclor-1260	ND		49		ug/Kg		12/01/20 15:39	12/02/20 14:30	1
Aroclor-1262	ND		49		ug/Kg		12/01/20 15:39	12/02/20 14:30	1
Aroclor-1268	ND		49		ug/Kg		12/01/20 15:39	12/02/20 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*20 - 155*	*12/01/20 15:39*	*12/02/20 14:30*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*25 - 126*	*12/01/20 15:39*	*12/02/20 14:30*	*1*

Client Sample ID: MC-SV-7_5
Date Collected: 11/30/20 10:29
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/01/20 15:39	12/02/20 14:48	1
Aroclor-1221	ND		50		ug/Kg		12/01/20 15:39	12/02/20 14:48	1
Aroclor-1232	ND		50		ug/Kg		12/01/20 15:39	12/02/20 14:48	1
Aroclor-1242	ND		50		ug/Kg		12/01/20 15:39	12/02/20 14:48	1
Aroclor-1248	ND		50		ug/Kg		12/01/20 15:39	12/02/20 14:48	1
Aroclor-1254	ND		50		ug/Kg		12/01/20 15:39	12/02/20 14:48	1
Aroclor-1260	ND		50		ug/Kg		12/01/20 15:39	12/02/20 14:48	1
Aroclor-1262	ND		50		ug/Kg		12/01/20 15:39	12/02/20 14:48	1
Aroclor-1268	ND		50		ug/Kg		12/01/20 15:39	12/02/20 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*20 - 155*	*12/01/20 15:39*	*12/02/20 14:48*	*1*
Tetrachloro-m-xylene (Surr)	*69*		*25 - 126*	*12/01/20 15:39*	*12/02/20 14:48*	*1*

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

Client Sample ID: MC-SV-10_2
Date Collected: 11/30/20 12:10
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/01/20 15:39	12/03/20 10:15	1
Aroclor-1221	ND		50		ug/Kg		12/01/20 15:39	12/03/20 10:15	1
Aroclor-1232	ND		50		ug/Kg		12/01/20 15:39	12/03/20 10:15	1
Aroclor-1242	ND		50		ug/Kg		12/01/20 15:39	12/03/20 10:15	1
Aroclor-1248	ND		50		ug/Kg		12/01/20 15:39	12/03/20 10:15	1
Aroclor-1254	ND		50		ug/Kg		12/01/20 15:39	12/03/20 10:15	1
Aroclor-1260	ND		50		ug/Kg		12/01/20 15:39	12/03/20 10:15	1
Aroclor-1262	ND		50		ug/Kg		12/01/20 15:39	12/03/20 10:15	1
Aroclor-1268	ND		50		ug/Kg		12/01/20 15:39	12/03/20 10:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*122*		*20 - 155*	*12/01/20 15:39*	*12/03/20 10:15*	*1*
Tetrachloro-m-xylene (Surr)	*127*	*X*	*25 - 126*	*12/01/20 15:39*	*12/03/20 10:15*	*1*

Client Sample ID: MC-SV-10_5
Date Collected: 11/30/20 12:16
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/01/20 15:39	12/03/20 01:35	1
Aroclor-1221	ND		50		ug/Kg		12/01/20 15:39	12/03/20 01:35	1
Aroclor-1232	ND		50		ug/Kg		12/01/20 15:39	12/03/20 01:35	1
Aroclor-1242	ND		50		ug/Kg		12/01/20 15:39	12/03/20 01:35	1
Aroclor-1248	ND		50		ug/Kg		12/01/20 15:39	12/03/20 01:35	1
Aroclor-1254	ND		50		ug/Kg		12/01/20 15:39	12/03/20 01:35	1
Aroclor-1260	ND		50		ug/Kg		12/01/20 15:39	12/03/20 01:35	1
Aroclor-1262	ND		50		ug/Kg		12/01/20 15:39	12/03/20 01:35	1
Aroclor-1268	ND		50		ug/Kg		12/01/20 15:39	12/03/20 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*20 - 155*	*12/01/20 15:39*	*12/03/20 01:35*	*1*
Tetrachloro-m-xylene (Surr)	*68*		*25 - 126*	*12/01/20 15:39*	*12/03/20 01:35*	*1*

Client Sample ID: MPO-SV-12_2
Date Collected: 11/30/20 13:06
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-19
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/01/20 15:39	12/03/20 01:53	1
Aroclor-1221	ND		50		ug/Kg		12/01/20 15:39	12/03/20 01:53	1
Aroclor-1232	ND		50		ug/Kg		12/01/20 15:39	12/03/20 01:53	1
Aroclor-1242	ND		50		ug/Kg		12/01/20 15:39	12/03/20 01:53	1
Aroclor-1248	ND		50		ug/Kg		12/01/20 15:39	12/03/20 01:53	1
Aroclor-1254	ND		50		ug/Kg		12/01/20 15:39	12/03/20 01:53	1
Aroclor-1260	ND		50		ug/Kg		12/01/20 15:39	12/03/20 01:53	1
Aroclor-1262	ND		50		ug/Kg		12/01/20 15:39	12/03/20 01:53	1
Aroclor-1268	ND		50		ug/Kg		12/01/20 15:39	12/03/20 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*20 - 155*	*12/01/20 15:39*	*12/03/20 01:53*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*25 - 126*	*12/01/20 15:39*	*12/03/20 01:53*	*1*

Method: 6010B - Metals (ICP)

Client Sample ID: MC-SV-12_2
Date Collected: 11/30/20 07:45
Date Received: 11/30/20 15:18
Lab Sample ID: 570-44901-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.258		mg/Kg		12/03/20 14:00	12/04/20 08:55	1
Arsenic	**5.58**		0.773		mg/Kg		12/03/20 14:00	12/04/20 08:55	1
Barium	**85.8**		0.515		mg/Kg		12/03/20 14:00	12/04/20 08:55	1
Beryllium	**0.771**		0.258		mg/Kg		12/03/20 14:00	12/04/20 08:55	1
Cadmium	ND		0.515		mg/Kg		12/03/20 14:00	12/04/20 08:55	1
Cobalt	**7.18**		0.258		mg/Kg		12/03/20 14:00	12/04/20 08:55	1
Chromium	**13.5**		0.258		mg/Kg		12/03/20 14:00	12/04/20 08:55	1
Copper	**11.2**		0.515		mg/Kg		12/03/20 14:00	12/04/20 08:55	1
Molybdenum	ND		0.258		mg/Kg		12/03/20 14:00	12/04/20 08:55	1
Nickel	**10.9**		0.258		mg/Kg		12/03/20 14:00	12/04/20 08:55	1
Antimony	ND		0.773		mg/Kg		12/03/20 14:00	12/04/20 08:55	1
Selenium	ND	L	0.773		mg/Kg		12/03/20 14:00	12/04/20 08:55	1
Thallium	ND		0.773		mg/Kg		12/03/20 14:00	12/04/20 08:55	1
Vanadium	**29.7**		0.258		mg/Kg		12/03/20 14:00	12/04/20 08:55	1
Zinc	**37.0**		1.03		mg/Kg		12/03/20 14:00	12/04/20 08:55	1
Lead	**4.52**		0.515		mg/Kg		12/03/20 14:00	12/04/20 08:55	1

Client Sample ID: MC-SV-12_5
Date Collected: 11/30/20 07:54
Date Received: 11/30/20 15:18
Lab Sample ID: 570-44901-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND	L	0.246		mg/Kg		12/03/20 14:00	12/04/20 08:57	1
Arsenic	**3.57**		0.739		mg/Kg		12/03/20 14:00	12/04/20 08:57	1
Barium	**48.6**		0.493		mg/Kg		12/03/20 14:00	12/04/20 08:57	1
Beryllium	**0.879**		0.246		mg/Kg		12/03/20 14:00	12/04/20 08:57	1
Cadmium	ND		0.493		mg/Kg		12/03/20 14:00	12/04/20 08:57	1
Cobalt	**6.29**		0.246		mg/Kg		12/03/20 14:00	12/04/20 08:57	1
Chromium	**20.3**		0.246		mg/Kg		12/03/20 14:00	12/04/20 08:57	1
Copper	**12.4**		0.493		mg/Kg		12/03/20 14:00	12/04/20 08:57	1
Molybdenum	ND	L	0.246		mg/Kg		12/03/20 14:00	12/04/20 08:57	1
Nickel	**12.6**		0.246		mg/Kg		12/03/20 14:00	12/04/20 08:57	1
Antimony	ND		0.739		mg/Kg		12/03/20 14:00	12/04/20 08:57	1
Selenium	ND		0.739		mg/Kg		12/03/20 14:00	12/04/20 08:57	1
Thallium	ND		0.739		mg/Kg		12/03/20 14:00	12/04/20 08:57	1
Vanadium	**32.6**		0.246		mg/Kg		12/03/20 14:00	12/04/20 08:57	1
Zinc	**42.4**		0.985		mg/Kg		12/03/20 14:00	12/04/20 08:57	1
Lead	**2.95**		0.493		mg/Kg		12/03/20 14:00	12/04/20 08:57	1

Client Sample ID: MC-SV-9_2
Date Collected: 11/30/20 09:22
Date Received: 11/30/20 15:18
Lab Sample ID: 570-44901-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.258		mg/Kg		12/03/20 14:00	12/04/20 08:59	1
Arsenic	**2.27**		0.773		mg/Kg		12/03/20 14:00	12/04/20 08:59	1
Barium	**60.5**		0.515		mg/Kg		12/03/20 14:00	12/04/20 08:59	1
Beryllium	**0.563**		0.258		mg/Kg		12/03/20 14:00	12/04/20 08:59	1
Cadmium	ND		0.515		mg/Kg		12/03/20 14:00	12/04/20 08:59	1
Cobalt	**6.90**		0.258		mg/Kg		12/03/20 14:00	12/04/20 08:59	1
Chromium	**12.0**		0.258		mg/Kg		12/03/20 14:00	12/04/20 08:59	1
Copper	**7.15**		0.515		mg/Kg		12/03/20 14:00	12/04/20 08:59	1

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

Client Sample ID: MC-SV-9_2
Date Collected: 11/30/20 09:22
Date Received: 11/30/20 15:18
Lab Sample ID: 570-44901-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND	L	0.258		mg/Kg		12/03/20 14:00	12/04/20 08:59	1
Nickel	**8.30**		0.258		mg/Kg		12/03/20 14:00	12/04/20 08:59	1
Antimony	ND		0.773		mg/Kg		12/03/20 14:00	12/04/20 08:59	1
Selenium	ND		0.773		mg/Kg		12/03/20 14:00	12/04/20 08:59	1
Thallium	ND		0.773		mg/Kg		12/03/20 14:00	12/04/20 08:59	1
Vanadium	**28.0**		0.258		mg/Kg		12/03/20 14:00	12/04/20 08:59	1
Zinc	**28.3**		1.03		mg/Kg		12/03/20 14:00	12/04/20 08:59	1
Lead	**4.55**		0.515		mg/Kg		12/03/20 14:00	12/04/20 08:59	1

Client Sample ID: MC-SV-9_5
Date Collected: 11/30/20 09:26
Date Received: 11/30/20 15:18
Lab Sample ID: 570-44901-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND	L	0.248		mg/Kg		12/03/20 14:00	12/04/20 09:01	1
Arsenic	**2.24**		0.743		mg/Kg		12/03/20 14:00	12/04/20 09:01	1
Barium	**111**		0.495		mg/Kg		12/03/20 14:00	12/04/20 09:01	1
Beryllium	**0.788**		0.248		mg/Kg		12/03/20 14:00	12/04/20 09:01	1
Cadmium	ND		0.495		mg/Kg		12/03/20 14:00	12/04/20 09:01	1
Cobalt	**6.21**		0.248		mg/Kg		12/03/20 14:00	12/04/20 09:01	1
Chromium	**16.5**		0.248		mg/Kg		12/03/20 14:00	12/04/20 09:01	1
Copper	**8.42**		0.495		mg/Kg		12/03/20 14:00	12/04/20 09:01	1
Molybdenum	ND	L	0.248		mg/Kg		12/03/20 14:00	12/04/20 09:01	1
Nickel	**10.8**		0.248		mg/Kg		12/03/20 14:00	12/04/20 09:01	1
Antimony	ND		0.743		mg/Kg		12/03/20 14:00	12/04/20 09:01	1
Selenium	ND		0.743		mg/Kg		12/03/20 14:00	12/04/20 09:01	1
Thallium	ND		0.743		mg/Kg		12/03/20 14:00	12/04/20 09:01	1
Vanadium	**35.0**		0.248		mg/Kg		12/03/20 14:00	12/04/20 09:01	1
Zinc	**33.7**		0.990		mg/Kg		12/03/20 14:00	12/04/20 09:01	1
Lead	**1.11**		0.495		mg/Kg		12/03/20 14:00	12/04/20 09:01	1

Client Sample ID: MC-SV-7_2
Date Collected: 11/30/20 10:23
Date Received: 11/30/20 15:18
Lab Sample ID: 570-44901-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.243		mg/Kg		12/03/20 14:00	12/04/20 09:03	1
Arsenic	**4.60**		0.728		mg/Kg		12/03/20 14:00	12/04/20 09:03	1
Barium	**146**		0.485		mg/Kg		12/03/20 14:00	12/04/20 09:03	1
Beryllium	**0.963**		0.243		mg/Kg		12/03/20 14:00	12/04/20 09:03	1
Cadmium	ND		0.485		mg/Kg		12/03/20 14:00	12/04/20 09:03	1
Cobalt	**9.45**		0.243		mg/Kg		12/03/20 14:00	12/04/20 09:03	1
Chromium	**17.0**		0.243		mg/Kg		12/03/20 14:00	12/04/20 09:03	1
Copper	**14.0**		0.485		mg/Kg		12/03/20 14:00	12/04/20 09:03	1
Molybdenum	ND		0.243		mg/Kg		12/03/20 14:00	12/04/20 09:03	1
Nickel	**17.0**		0.243		mg/Kg		12/03/20 14:00	12/04/20 09:03	1
Antimony	ND		0.728		mg/Kg		12/03/20 14:00	12/04/20 09:03	1
Selenium	ND	L	0.728		mg/Kg		12/03/20 14:00	12/04/20 09:03	1
Thallium	ND	L	0.728		mg/Kg		12/03/20 14:00	12/04/20 09:03	1
Vanadium	**32.7**		0.243		mg/Kg		12/03/20 14:00	12/04/20 09:03	1
Zinc	**46.1**		0.971		mg/Kg		12/03/20 14:00	12/04/20 09:03	1
Lead	**5.11**		0.485		mg/Kg		12/03/20 14:00	12/04/20 09:03	1

Method: 6010B - Metals (ICP)

Client Sample ID: MC-SV-7_5
Date Collected: 11/30/20 10:29
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND	L	0.240		mg/Kg		12/03/20 14:00	12/04/20 09:05	1
Arsenic	**11.8**		0.721		mg/Kg		12/03/20 14:00	12/04/20 09:05	1
Barium	**139**		0.481		mg/Kg		12/03/20 14:00	12/04/20 09:05	1
Beryllium	**0.881**		0.240		mg/Kg		12/03/20 14:00	12/04/20 09:05	1
Cadmium	ND		0.481		mg/Kg		12/03/20 14:00	12/04/20 09:05	1
Cobalt	**7.62**		0.240		mg/Kg		12/03/20 14:00	12/04/20 09:05	1
Chromium	**13.9**		0.240		mg/Kg		12/03/20 14:00	12/04/20 09:05	1
Copper	**12.3**		0.481		mg/Kg		12/03/20 14:00	12/04/20 09:05	1
Molybdenum	ND	L	0.240		mg/Kg		12/03/20 14:00	12/04/20 09:05	1
Nickel	**11.7**		0.240		mg/Kg		12/03/20 14:00	12/04/20 09:05	1
Antimony	ND		0.721		mg/Kg		12/03/20 14:00	12/04/20 09:05	1
Selenium	ND		0.721		mg/Kg		12/03/20 14:00	12/04/20 09:05	1
Thallium	ND	L	0.721		mg/Kg		12/03/20 14:00	12/04/20 09:05	1
Vanadium	**27.1**		0.240		mg/Kg		12/03/20 14:00	12/04/20 09:05	1
Zinc	**30.8**		0.962		mg/Kg		12/03/20 14:00	12/04/20 09:05	1
Lead	**2.72**		0.481		mg/Kg		12/03/20 14:00	12/04/20 09:05	1

Client Sample ID: MC-SV-10_2
Date Collected: 11/30/20 12:10
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.243		mg/Kg		12/03/20 14:00	12/04/20 09:07	1
Arsenic	**4.65**		0.728		mg/Kg		12/03/20 14:00	12/04/20 09:07	1
Barium	**124**		0.485		mg/Kg		12/03/20 14:00	12/04/20 09:07	1
Beryllium	**0.796**		0.243		mg/Kg		12/03/20 14:00	12/04/20 09:07	1
Cadmium	ND		0.485		mg/Kg		12/03/20 14:00	12/04/20 09:07	1
Cobalt	**7.86**		0.243		mg/Kg		12/03/20 14:00	12/04/20 09:07	1
Chromium	**15.0**		0.243		mg/Kg		12/03/20 14:00	12/04/20 09:07	1
Copper	**12.3**		0.485		mg/Kg		12/03/20 14:00	12/04/20 09:07	1
Molybdenum	ND	L	0.243		mg/Kg		12/03/20 14:00	12/04/20 09:07	1
Nickel	**13.1**		0.243		mg/Kg		12/03/20 14:00	12/04/20 09:07	1
Antimony	ND		0.728		mg/Kg		12/03/20 14:00	12/04/20 09:07	1
Selenium	ND		0.728		mg/Kg		12/03/20 14:00	12/04/20 09:07	1
Thallium	ND		0.728		mg/Kg		12/03/20 14:00	12/04/20 09:07	1
Vanadium	**31.0**		0.243		mg/Kg		12/03/20 14:00	12/04/20 09:07	1
Zinc	**39.3**		0.971		mg/Kg		12/03/20 14:00	12/04/20 09:07	1
Lead	**3.79**		0.485		mg/Kg		12/03/20 14:00	12/04/20 09:07	1

Client Sample ID: MC-SV-10_5
Date Collected: 11/30/20 12:16
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.243		mg/Kg		12/03/20 14:00	12/04/20 09:09	1
Arsenic	**4.86**		0.728		mg/Kg		12/03/20 14:00	12/04/20 09:09	1
Barium	**99.5**		0.485		mg/Kg		12/03/20 14:00	12/04/20 09:09	1
Beryllium	**0.604**		0.243		mg/Kg		12/03/20 14:00	12/04/20 09:09	1
Cadmium	ND		0.485		mg/Kg		12/03/20 14:00	12/04/20 09:09	1
Cobalt	**7.00**		0.243		mg/Kg		12/03/20 14:00	12/04/20 09:09	1
Chromium	**11.6**		0.243		mg/Kg		12/03/20 14:00	12/04/20 09:09	1
Copper	**8.61**		0.485		mg/Kg		12/03/20 14:00	12/04/20 09:09	1

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

Client Sample ID: MC-SV-10_5
Date Collected: 11/30/20 12:16
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND	L	0.243		mg/Kg		12/03/20 14:00	12/04/20 09:09	1
Nickel	**9.42**		0.243		mg/Kg		12/03/20 14:00	12/04/20 09:09	1
Antimony	ND		0.728		mg/Kg		12/03/20 14:00	12/04/20 09:09	1
Selenium	ND	L	0.728		mg/Kg		12/03/20 14:00	12/04/20 09:09	1
Thallium	ND	L	0.728		mg/Kg		12/03/20 14:00	12/04/20 09:09	1
Vanadium	**28.4**		0.243		mg/Kg		12/03/20 14:00	12/04/20 09:09	1
Zinc	**29.2**		0.971		mg/Kg		12/03/20 14:00	12/04/20 09:09	1
Lead	**2.93**		0.485		mg/Kg		12/03/20 14:00	12/04/20 09:09	1

Client Sample ID: MPO-SV-12_2
Date Collected: 11/30/20 13:06
Date Received: 11/30/20 15:18

Lab Sample ID: 570-44901-19
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.239		mg/Kg		12/03/20 14:00	12/04/20 09:11	1
Arsenic	**4.04**		0.718		mg/Kg		12/03/20 14:00	12/04/20 09:11	1
Barium	**72.2**		0.478		mg/Kg		12/03/20 14:00	12/04/20 09:11	1
Beryllium	**0.873**		0.239		mg/Kg		12/03/20 14:00	12/04/20 09:11	1
Cadmium	ND		0.478		mg/Kg		12/03/20 14:00	12/04/20 09:11	1
Cobalt	**7.91**		0.239		mg/Kg		12/03/20 14:00	12/04/20 09:11	1
Chromium	**17.0**		0.239		mg/Kg		12/03/20 14:00	12/04/20 09:11	1
Copper	**9.75**		0.478		mg/Kg		12/03/20 14:00	12/04/20 09:11	1
Molybdenum	ND	L	0.239		mg/Kg		12/03/20 14:00	12/04/20 09:11	1
Nickel	**14.6**		0.239		mg/Kg		12/03/20 14:00	12/04/20 09:11	1
Antimony	ND		0.718		mg/Kg		12/03/20 14:00	12/04/20 09:11	1
Selenium	ND		0.718		mg/Kg		12/03/20 14:00	12/04/20 09:11	1
Thallium	ND		0.718		mg/Kg		12/03/20 14:00	12/04/20 09:11	1
Vanadium	**33.4**		0.239		mg/Kg		12/03/20 14:00	12/04/20 09:11	1
Zinc	**34.8**		0.957		mg/Kg		12/03/20 14:00	12/04/20 09:11	1
Lead	**2.60**		0.478		mg/Kg		12/03/20 14:00	12/04/20 09:11	1

Method: 7471A - Mercury (CVAA)

Client Sample ID: MC-SV-12_2
Date Collected: 11/30/20 07:45
Date Received: 11/30/20 15:18
Lab Sample ID: 570-44901-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0862		mg/Kg		12/03/20 14:00	12/04/20 10:24	1

Client Sample ID: MC-SV-12_5
Date Collected: 11/30/20 07:54
Date Received: 11/30/20 15:18
Lab Sample ID: 570-44901-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0806		mg/Kg		12/03/20 14:00	12/04/20 10:26	1

Client Sample ID: MC-SV-9_2
Date Collected: 11/30/20 09:22
Date Received: 11/30/20 15:18
Lab Sample ID: 570-44901-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0794		mg/Kg		12/03/20 14:00	12/04/20 10:28	1

Client Sample ID: MC-SV-9_5
Date Collected: 11/30/20 09:26
Date Received: 11/30/20 15:18
Lab Sample ID: 570-44901-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0806		mg/Kg		12/03/20 14:00	12/04/20 10:29	1

Client Sample ID: MC-SV-7_2
Date Collected: 11/30/20 10:23
Date Received: 11/30/20 15:18
Lab Sample ID: 570-44901-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0847		mg/Kg		12/03/20 14:00	12/04/20 10:31	1

Client Sample ID: MC-SV-7_5
Date Collected: 11/30/20 10:29
Date Received: 11/30/20 15:18
Lab Sample ID: 570-44901-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0862		mg/Kg		12/03/20 14:00	12/04/20 10:33	1

Client Sample ID: MC-SV-10_2
Date Collected: 11/30/20 12:10
Date Received: 11/30/20 15:18
Lab Sample ID: 570-44901-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		12/03/20 14:00	12/04/20 10:35	1

Client Sample ID: MC-SV-10_5
Date Collected: 11/30/20 12:16
Date Received: 11/30/20 15:18
Lab Sample ID: 570-44901-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		12/03/20 14:00	12/04/20 10:37	1

Client Sample ID: MPO-SV-12_2
Date Collected: 11/30/20 13:06
Date Received: 11/30/20 15:18
Lab Sample ID: 570-44901-19
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0794		mg/Kg		12/03/20 14:00	12/04/20 10:39	1

Surrogate Summary

Client: Avocet Environmental Inc
Job ID: 570-44901-1
Project/Site: Fairview Development Center / 1431.005

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

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(71-155)	(80-120)	(79-133)	(80-120)
570-44901-1	MC-SV-12_2	112	98	100	100
570-44901-2	MC-SV-12_5	113	99	98	101
570-44901-5	MC-SV-9_2	111	97	100	101
570-44901-6	MC-SV-9_5	112	98	100	100
570-44901-9	MC-SV-7_2	113	98	100	99
570-44901-10	MC-SV-7_5	113	98	98	100
570-44901-15	MC-SV-10_2	109	84	99	99
570-44901-16	MC-SV-10_5	112	98	99	100
570-44901-19	MPO-SV-12_2	117	96	104	98
570-44901-20	MPO-SV-12_5	110	99	100	100
LCS 570-113009/4	Lab Control Sample	97	101	98	100
LCSD 570-113009/5	Lab Control Sample Dup	102	100	102	99
MB 570-113009/7	Method Blank	99	95	98	98

Surrogate Legend

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

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-129)	(77-120)	(80-128)	(80-120)
570-44901-13	TB_20201130	93	97	95	99
570-44901-14	EB_20201130	92	95	94	98
LCS 570-113296/3	Lab Control Sample	91	100	92	102
LCSD 570-113296/4	Lab Control Sample Dup	94	97	95	101
MB 570-113296/7	Method Blank	97	95	96	100

Surrogate Legend

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

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

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	2FP	NBZ	PHL6	TPHd14	FBP
Lab Sample ID	Client Sample ID	(16-132)	(13-120)	(14-120)	(12-120)	(24-120)	(19-120)
570-44896-A-6-B MS	Matrix Spike	73	90	79	89	78	72
570-44896-A-6-C MSD	Matrix Spike Duplicate	77	89	79	90	80	74
570-44901-1	MC-SV-12_2	50	66	60	67	64	58
570-44901-1	MC-SV-12_2	50	69	45	66	64	53
570-44901-2	MC-SV-12_5	56	73	66	72	68	65
570-44901-2	MC-SV-12_5	56	75	51	70	69	63
570-44901-5	MC-SV-9_2	54	71	66	72	66	63

Surrogate Summary

Client: Avocet Environmental Inc
Job ID: 570-44901-1
Project/Site: Fairview Development Center / 1431.005

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	2FP	NBZ	PHL6	TPHd14	FBP
Lab Sample ID	Client Sample ID	(16-132)	(13-120)	(14-120)	(12-120)	(24-120)	(19-120)
570-44901-5	MC-SV-9_2	55	75	50	71	65	58
570-44901-6	MC-SV-9_5	46	64	56	63	59	55
570-44901-6	MC-SV-9_5	47	65	43	62	61	51
570-44901-9	MC-SV-7_2	53	72	62	72	65	60
570-44901-9	MC-SV-7_2	52	73	48	68	65	57
570-44901-10	MC-SV-7_5	36	62	53	63	61	57
570-44901-10	MC-SV-7_5	45	62	44	59	61	53
570-44901-15	MC-SV-10_2	52	74	65	75	69	64
570-44901-15	MC-SV-10_2	58	75	50	70	70	60
570-44901-16	MC-SV-10_5	54	76	66	77	68	64
570-44901-16	MC-SV-10_5	59	78	52	74	70	60
570-44901-19	MPO-SV-12_2	60	81	71	81	74	70
570-44901-19	MPO-SV-12_2	61	81	55	78	73	66
LCS 570-113087/2-A	Lab Control Sample	71	83	73	83	77	68
LCSD 570-113087/3-A	Lab Control Sample Dup	75	87	78	87	81	72
MB 570-113087/1-A	Method Blank	68	82	74	81	72	68

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL6 = Phenol-d6 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
FBP = 2-Fluorobiphenyl (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(61-145)
570-44327-I-13-B MS	Matrix Spike	75
570-44327-I-13-C MSD	Matrix Spike Duplicate	69
570-44901-1	MC-SV-12_2	74
570-44901-2	MC-SV-12_5	88
570-44901-5	MC-SV-9_2	89
570-44901-6	MC-SV-9_5	86
570-44901-9	MC-SV-7_2	81
570-44901-10	MC-SV-7_5	97
570-44901-15	MC-SV-10_2	75
570-44901-16	MC-SV-10_5	91
570-44901-19	MPO-SV-12_2	82
570-44901-20	MPO-SV-12_5	161 X
LCS 570-113235/2-A	Lab Control Sample	89
LCSD 570-113235/3-A	Lab Control Sample Dup	91
MB 570-113235/1-A	Method Blank	89

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Surrogate Summary

Client: Avocet Environmental Inc
Job ID: 570-44901-1
Project/Site: Fairview Development Center / 1431.005

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

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
		DCB1	TCX1										
Lab Sample ID	Client Sample ID	(20-155)	(25-126)										
570-44901-1	MC-SV-12_2	77	78										
570-44901-1 MS	MC-SV-12_2	74	68										
570-44901-1 MSD	MC-SV-12_2	72	66										
570-44901-2	MC-SV-12_5	46	59										
570-44901-5	MC-SV-9_2	74	62										
570-44901-6	MC-SV-9_5	65	65										
570-44901-9	MC-SV-7_2	78	77										
570-44901-10	MC-SV-7_5	68	69										
570-44901-15	MC-SV-10_2	122	127 X										
570-44901-16	MC-SV-10_5	78	68										
570-44901-19	MPO-SV-12_2	77	78										
LCS 570-113183/2-A	Lab Control Sample	91	87										
LCSD 570-113183/3-A	Lab Control Sample Dup	95	92										
MB 570-113183/1-A	Method Blank	86	86										

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene (Surr)

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

Lab Sample ID: MB 570-113009/7
Matrix: Solid
Analysis Batch: 113009

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg			12/01/20 10:59	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg			12/01/20 10:59	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			12/01/20 10:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg			12/01/20 10:59	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg			12/01/20 10:59	1
1,1-Dichloroethane	ND		1.0		ug/Kg			12/01/20 10:59	1
1,1-Dichloroethene	ND		1.0		ug/Kg			12/01/20 10:59	1
1,1-Dichloropropene	ND		2.0		ug/Kg			12/01/20 10:59	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg			12/01/20 10:59	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg			12/01/20 10:59	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg			12/01/20 10:59	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			12/01/20 10:59	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			12/01/20 10:59	1
1,2-Dibromoethane	ND		1.0		ug/Kg			12/01/20 10:59	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg			12/01/20 10:59	1
1,2-Dichloroethane	ND		1.0		ug/Kg			12/01/20 10:59	1
1,2-Dichloropropane	ND		1.0		ug/Kg			12/01/20 10:59	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			12/01/20 10:59	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg			12/01/20 10:59	1
1,3-Dichloropropane	ND		1.0		ug/Kg			12/01/20 10:59	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg			12/01/20 10:59	1
2,2-Dichloropropane	ND		5.0		ug/Kg			12/01/20 10:59	1
2-Butanone	ND		20		ug/Kg			12/01/20 10:59	1
2-Chlorotoluene	ND		1.0		ug/Kg			12/01/20 10:59	1
2-Hexanone	ND		20		ug/Kg			12/01/20 10:59	1
4-Chlorotoluene	ND		1.0		ug/Kg			12/01/20 10:59	1
4-Methyl-2-pentanone	ND		20		ug/Kg			12/01/20 10:59	1
Acetone	ND		20		ug/Kg			12/01/20 10:59	1
Benzene	ND		1.0		ug/Kg			12/01/20 10:59	1
Bromobenzene	ND		1.0		ug/Kg			12/01/20 10:59	1
Bromochloromethane	ND		2.0		ug/Kg			12/01/20 10:59	1
Bromodichloromethane	ND		1.0		ug/Kg			12/01/20 10:59	1
Bromoform	ND		5.0		ug/Kg			12/01/20 10:59	1
Bromomethane	ND		20		ug/Kg			12/01/20 10:59	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg			12/01/20 10:59	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg			12/01/20 10:59	1
Carbon disulfide	ND		10		ug/Kg			12/01/20 10:59	1
Carbon tetrachloride	ND		1.0		ug/Kg			12/01/20 10:59	1
Chlorobenzene	ND		1.0		ug/Kg			12/01/20 10:59	1
Chloroethane	ND		2.0		ug/Kg			12/01/20 10:59	1
Chloroform	ND		1.0		ug/Kg			12/01/20 10:59	1
Chloromethane	ND		20		ug/Kg			12/01/20 10:59	1
Dibromochloromethane	ND		2.0		ug/Kg			12/01/20 10:59	1
Dibromomethane	ND		1.0		ug/Kg			12/01/20 10:59	1
Dichlorodifluoromethane	ND		2.0		ug/Kg			12/01/20 10:59	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg			12/01/20 10:59	1
Ethanol	ND		250		ug/Kg			12/01/20 10:59	1
Ethylbenzene	ND		1.0		ug/Kg			12/01/20 10:59	1

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

Lab Sample ID: MB 570-113009/7
Matrix: Solid
Analysis Batch: 113009

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg			12/01/20 10:59	1
Isopropylbenzene	ND		1.0		ug/Kg			12/01/20 10:59	1
Methylene Chloride	ND		10		ug/Kg			12/01/20 10:59	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg			12/01/20 10:59	1
Naphthalene	ND		10		ug/Kg			12/01/20 10:59	1
n-Butylbenzene	ND		1.0		ug/Kg			12/01/20 10:59	1
N-Propylbenzene	ND		2.0		ug/Kg			12/01/20 10:59	1
o-Xylene	ND		1.0		ug/Kg			12/01/20 10:59	1
m,p-Xylene	ND		2.0		ug/Kg			12/01/20 10:59	1
p-Isopropyltoluene	ND		1.0		ug/Kg			12/01/20 10:59	1
sec-Butylbenzene	ND		1.0		ug/Kg			12/01/20 10:59	1
Styrene	ND		1.0		ug/Kg			12/01/20 10:59	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg			12/01/20 10:59	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			12/01/20 10:59	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg			12/01/20 10:59	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg			12/01/20 10:59	1
tert-Butylbenzene	ND		1.0		ug/Kg			12/01/20 10:59	1
Tetrachloroethene	ND		1.0		ug/Kg			12/01/20 10:59	1
Toluene	ND		1.0		ug/Kg			12/01/20 10:59	1
Trichloroethene	ND		2.0		ug/Kg			12/01/20 10:59	1
Trichlorofluoromethane	ND		10		ug/Kg			12/01/20 10:59	1
Vinyl acetate	ND		10		ug/Kg			12/01/20 10:59	1
Vinyl chloride	ND		1.0		ug/Kg			12/01/20 10:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*71 - 155*		*12/01/20 10:59*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*12/01/20 10:59*	*1*
Dibromofluoromethane (Surr)	*98*		*79 - 133*		*12/01/20 10:59*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/01/20 10:59*	*1*

Lab Sample ID: LCS 570-113009/4
Matrix: Solid
Analysis Batch: 113009

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	44.89		ug/Kg		90	71 - 125
1,2-Dibromoethane	50.0	49.42		ug/Kg		99	80 - 120
1,2-Dichlorobenzene	50.0	50.86		ug/Kg		102	80 - 120
1,2-Dichloroethane	50.0	52.03		ug/Kg		104	79 - 121
Benzene	50.0	46.47		ug/Kg		93	79 - 120
Carbon tetrachloride	50.0	46.74		ug/Kg		93	58 - 142
Chlorobenzene	50.0	50.10		ug/Kg		100	80 - 120
Di-isopropyl ether (DIPE)	50.0	44.56		ug/Kg		89	65 - 131
Ethanol	500	580.4		ug/Kg		116	32 - 158
Ethylbenzene	50.0	47.83		ug/Kg		96	57 - 153
Ethyl-t-butyl ether (ETBE)	50.0	44.69		ug/Kg		89	58 - 136
Methyl-t-Butyl Ether (MTBE)	50.0	44.62		ug/Kg		89	64 - 124
o-Xylene	50.0	48.79		ug/Kg		98	79 - 127

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

Lab Sample ID: LCS 570-113009/4
Matrix: Solid
Analysis Batch: 113009

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
m,p-Xylene			100	95.82		ug/Kg		96	80 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*71 - 155*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*79 - 133*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 570-113009/5
Matrix: Solid
Analysis Batch: 113009

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			50.0	45.26		ug/Kg		91	71 - 125	1	20
1,2-Dibromoethane			50.0	47.75		ug/Kg		95	80 - 120	3	20
1,2-Dichlorobenzene			50.0	48.50		ug/Kg		97	80 - 120	5	20
1,2-Dichloroethane			50.0	50.23		ug/Kg		100	79 - 121	4	20
Benzene			50.0	44.94		ug/Kg		90	79 - 120	3	20
Carbon tetrachloride			50.0	48.04		ug/Kg		96	58 - 142	3	20
Chlorobenzene			50.0	47.95		ug/Kg		96	80 - 120	4	20
Di-isopropyl ether (DIPE)			50.0	44.62		ug/Kg		89	65 - 131	0	20
Ethanol			500	496.8		ug/Kg		99	32 - 158	16	27
Ethylbenzene			50.0	46.43		ug/Kg		93	57 - 153	3	20
Ethyl-t-butyl ether (ETBE)			50.0	44.61		ug/Kg		89	58 - 136	0	20
Methyl-t-Butyl Ether (MTBE)			50.0	45.01		ug/Kg		90	64 - 124	1	20
o-Xylene			50.0	46.61		ug/Kg		93	79 - 127	5	20
m,p-Xylene			100	93.01		ug/Kg		93	80 - 122	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*71 - 155*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*79 - 133*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 570-113296/7
Matrix: Water
Analysis Batch: 113296

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			12/02/20 11:15	1
1,1,1-Trichloroethane	ND		1.0		ug/L			12/02/20 11:15	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			12/02/20 11:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			12/02/20 11:15	1
1,1,2-Trichloroethane	ND		1.0		ug/L			12/02/20 11:15	1
1,1-Dichloroethane	ND		1.0		ug/L			12/02/20 11:15	1
1,1-Dichloroethene	ND		1.0		ug/L			12/02/20 11:15	1
1,1-Dichloropropene	ND		1.0		ug/L			12/02/20 11:15	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			12/02/20 11:15	1

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

Lab Sample ID: MB 570-113296/7
Matrix: Water
Analysis Batch: 113296

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		5.0		ug/L			12/02/20 11:15	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			12/02/20 11:15	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			12/02/20 11:15	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			12/02/20 11:15	1
1,2-Dibromoethane	ND		1.0		ug/L			12/02/20 11:15	1
1,2-Dichlorobenzene	ND		1.0		ug/L			12/02/20 11:15	1
1,2-Dichloroethane	ND		0.50		ug/L			12/02/20 11:15	1
1,2-Dichloropropane	ND		1.0		ug/L			12/02/20 11:15	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			12/02/20 11:15	1
1,3-Dichlorobenzene	ND		1.0		ug/L			12/02/20 11:15	1
1,3-Dichloropropane	ND		1.0		ug/L			12/02/20 11:15	1
1,4-Dichlorobenzene	ND		1.0		ug/L			12/02/20 11:15	1
2,2-Dichloropropane	ND		1.0		ug/L			12/02/20 11:15	1
2-Butanone	ND		20		ug/L			12/02/20 11:15	1
2-Chlorotoluene	ND		1.0		ug/L			12/02/20 11:15	1
2-Hexanone	ND		10		ug/L			12/02/20 11:15	1
4-Chlorotoluene	ND		1.0		ug/L			12/02/20 11:15	1
4-Methyl-2-pentanone	ND		10		ug/L			12/02/20 11:15	1
Acetone	ND		20		ug/L			12/02/20 11:15	1
Benzene	ND		0.50		ug/L			12/02/20 11:15	1
Bromobenzene	ND		1.0		ug/L			12/02/20 11:15	1
Bromochloromethane	ND		2.0		ug/L			12/02/20 11:15	1
Bromodichloromethane	ND		1.0		ug/L			12/02/20 11:15	1
Bromoform	ND		5.0		ug/L			12/02/20 11:15	1
Bromomethane	ND		25		ug/L			12/02/20 11:15	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			12/02/20 11:15	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			12/02/20 11:15	1
Carbon disulfide	ND		10		ug/L			12/02/20 11:15	1
Carbon tetrachloride	ND		0.50		ug/L			12/02/20 11:15	1
Chlorobenzene	ND		1.0		ug/L			12/02/20 11:15	1
Chloroethane	ND		5.0		ug/L			12/02/20 11:15	1
Chloroform	ND		1.0		ug/L			12/02/20 11:15	1
Chloromethane	ND		10		ug/L			12/02/20 11:15	1
Dibromochloromethane	ND		2.0		ug/L			12/02/20 11:15	1
Dibromomethane	ND		1.0		ug/L			12/02/20 11:15	1
Dichlorodifluoromethane	ND		5.0		ug/L			12/02/20 11:15	1
Di-isopropyl ether (DIPE)	ND		2.0		ug/L			12/02/20 11:15	1
Ethanol	ND		100		ug/L			12/02/20 11:15	1
Ethylbenzene	ND		1.0		ug/L			12/02/20 11:15	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			12/02/20 11:15	1
Isopropylbenzene	ND		1.0		ug/L			12/02/20 11:15	1
Methylene Chloride	ND		10		ug/L			12/02/20 11:15	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			12/02/20 11:15	1
Naphthalene	ND		10		ug/L			12/02/20 11:15	1
n-Butylbenzene	ND		1.0		ug/L			12/02/20 11:15	1
N-Propylbenzene	ND		1.0		ug/L			12/02/20 11:15	1
o-Xylene	ND		1.0		ug/L			12/02/20 11:15	1
m,p-Xylene	ND		2.0		ug/L			12/02/20 11:15	1
p-Isopropyltoluene	ND		1.0		ug/L			12/02/20 11:15	1

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

Lab Sample ID: MB 570-113296/7
Matrix: Water
Analysis Batch: 113296

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0		ug/L			12/02/20 11:15	1
Styrene	ND		1.0		ug/L			12/02/20 11:15	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			12/02/20 11:15	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			12/02/20 11:15	1
Tert-amyl-methyl ether (TAME)	ND		2.0		ug/L			12/02/20 11:15	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			12/02/20 11:15	1
tert-Butylbenzene	ND		1.0		ug/L			12/02/20 11:15	1
Tetrachloroethene	ND		1.0		ug/L			12/02/20 11:15	1
Toluene	ND		1.0		ug/L			12/02/20 11:15	1
Trichloroethene	ND		1.0		ug/L			12/02/20 11:15	1
Trichlorofluoromethane	ND		10		ug/L			12/02/20 11:15	1
Vinyl acetate	ND		10		ug/L			12/02/20 11:15	1
Vinyl chloride	ND		0.50		ug/L			12/02/20 11:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 129*		*12/02/20 11:15*	*1*
4-Bromofluorobenzene (Surr)	*95*		*77 - 120*		*12/02/20 11:15*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 128*		*12/02/20 11:15*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/02/20 11:15*	*1*

Lab Sample ID: LCS 570-113296/3
Matrix: Water
Analysis Batch: 113296

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	49.16		ug/L		98	64 - 136
1,2-Dibromoethane	50.0	49.29		ug/L		99	80 - 120
1,2-Dichlorobenzene	50.0	52.09		ug/L		104	80 - 120
1,2-Dichloroethane	50.0	48.78		ug/L		98	75 - 123
Benzene	50.0	50.87		ug/L		102	78 - 120
Carbon tetrachloride	50.0	51.36		ug/L		103	67 - 139
Chlorobenzene	50.0	51.66		ug/L		103	80 - 120
Di-isopropyl ether (DIPE)	50.0	47.37		ug/L		95	72 - 132
Ethanol	500	530.5		ug/L		106	56 - 150
Ethylbenzene	50.0	52.21		ug/L		104	80 - 120
Ethyl-t-butyl ether (ETBE)	50.0	41.05		ug/L		82	74 - 122
Methyl-t-Butyl Ether (MTBE)	50.0	40.70		ug/L		81	77 - 120
o-Xylene	50.0	53.07		ug/L		106	80 - 125
m,p-Xylene	100	105.7		ug/L		106	80 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*80 - 129*
4-Bromofluorobenzene (Surr)	*100*		*77 - 120*
Dibromofluoromethane (Surr)	*92*		*80 - 128*
Toluene-d8 (Surr)	*102*		*80 - 120*

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

Lab Sample ID: LCSD 570-113296/4
Matrix: Water
Analysis Batch: 113296

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			50.0	47.76		ug/L		96	64 - 136	3	30
1,2-Dibromoethane			50.0	49.49		ug/L		99	80 - 120	0	30
1,2-Dichlorobenzene			50.0	50.91		ug/L		102	80 - 120	2	20
1,2-Dichloroethane			50.0	47.06		ug/L		94	75 - 123	4	24
Benzene			50.0	47.42		ug/L		95	78 - 120	7	21
Carbon tetrachloride			50.0	49.51		ug/L		99	67 - 139	4	30
Chlorobenzene			50.0	49.66		ug/L		99	80 - 120	4	20
Di-isopropyl ether (DIPE)			50.0	47.18		ug/L		94	72 - 132	0	29
Ethanol			500	534.8		ug/L		107	56 - 150	1	30
Ethylbenzene			50.0	49.92		ug/L		100	80 - 120	4	20
Ethyl-t-butyl ether (ETBE)			50.0	41.97		ug/L		84	74 - 122	2	27
Methyl-t-Butyl Ether (MTBE)			50.0	40.89		ug/L		82	77 - 120	0	24
o-Xylene			50.0	51.01		ug/L		102	80 - 125	4	20
m,p-Xylene			100	102.6		ug/L		103	80 - 125	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 129*
4-Bromofluorobenzene (Surr)	*97*		*77 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 128*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: MB 570-113087/1-A
Matrix: Solid
Analysis Batch: 113653

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113087

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
1,2-Dichlorobenzene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
1,3-Dichlorobenzene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
1,4-Dichlorobenzene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
1-Methylnaphthalene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
2,4,5-Trichlorophenol	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
2,4,6-Trichlorophenol	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
2,4-Dichlorophenol	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
2,4-Dinitrophenol	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
2,4-Dinitrotoluene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
2,6-Dichlorophenol	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
2,6-Dinitrotoluene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
2-Chloronaphthalene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
2-Chlorophenol	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
2-Methylnaphthalene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
2-Methylphenol	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
2-Nitroaniline	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
2-Nitrophenol	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
3,3'-Dichlorobenzidine	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1

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

Lab Sample ID: MB 570-113087/1-A
Matrix: Solid
Analysis Batch: 113653

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113087

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3/4-Methylphenol	ND		0.10		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
3-Nitroaniline	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
4,6-Dinitro-2-methylphenol	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
4-Bromophenyl phenyl ether	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
4-Chloro-3-methylphenol	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
4-Chloroaniline	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
4-Chlorophenyl phenyl ether	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
4-Nitroaniline	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
4-Nitrophenol	ND		0.50		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Acenaphthene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Acenaphthylene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Aniline	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Anthracene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Azobenzene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Benzidine	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Benzo[a]anthracene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Benzo[a]pyrene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Benzoic acid	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Benzyl alcohol	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Bis(2-chloroethoxy)methane	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Bis(2-chloroethyl)ether	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
bis (2-Chloroisopropyl) ether	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Bis(2-ethylhexyl) phthalate	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Butyl benzyl phthalate	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Chrysene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Dibenzofuran	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Diethyl phthalate	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Dimethyl phthalate	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Di-n-butyl phthalate	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Di-n-octyl phthalate	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Fluoranthene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Fluorene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Hexachloro-1,3-butadiene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Hexachlorobenzene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Hexachlorocyclopentadiene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Hexachloroethane	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Isophorone	ND		0.50		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Naphthalene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Nitrobenzene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
N-Nitrosodimethylamine	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
N-Nitrosodi-n-propylamine	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
N-Nitrosodiphenylamine	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Pentachlorophenol	ND		0.25		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Phenanthrene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1

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

Lab Sample ID: MB 570-113087/1-A
Matrix: Solid
Analysis Batch: 113653

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113087

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Pyrene	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1
Pyridine	ND		0.010		mg/Kg		12/01/20 10:17	12/03/20 11:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*16 - 132*	*12/01/20 10:17*	*12/03/20 11:32*	*1*
2-Fluorophenol (Surr)	*82*		*13 - 120*	*12/01/20 10:17*	*12/03/20 11:32*	*1*
Nitrobenzene-d5 (Surr)	*74*		*14 - 120*	*12/01/20 10:17*	*12/03/20 11:32*	*1*
Phenol-d6 (Surr)	*81*		*12 - 120*	*12/01/20 10:17*	*12/03/20 11:32*	*1*
p-Terphenyl-d14 (Surr)	*72*		*24 - 120*	*12/01/20 10:17*	*12/03/20 11:32*	*1*
2-Fluorobiphenyl (Surr)	*68*		*19 - 120*	*12/01/20 10:17*	*12/03/20 11:32*	*1*

Lab Sample ID: LCS 570-113087/2-A
Matrix: Solid
Analysis Batch: 113653

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113087

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,6-Trichlorophenol	1.00	0.7019		mg/Kg		70	35 - 132
2,4-Dichlorophenol	1.00	0.8015		mg/Kg		80	43 - 130
2-Methylphenol	1.00	0.8479		mg/Kg		85	38 - 127
2-Nitrophenol	1.00	0.9258		mg/Kg		93	28 - 149
4-Chloro-3-methylphenol	1.00	0.7609		mg/Kg		76	36 - 136
Acenaphthene	1.00	0.7380		mg/Kg		74	37 - 126
Benzo[a]pyrene	1.00	0.8224		mg/Kg		82	48 - 137
Chrysene	1.00	0.7796		mg/Kg		78	47 - 130
Dimethyl phthalate	1.00	0.7277		mg/Kg		73	35 - 131
Di-n-butyl phthalate	1.00	0.8493		mg/Kg		85	43 - 139
Fluoranthene	1.00	0.7665		mg/Kg		77	47 - 135
Fluorene	1.00	0.7528		mg/Kg		75	36 - 134
Naphthalene	1.00	0.8142		mg/Kg		81	41 - 126
Phenanthrene	1.00	0.7388		mg/Kg		74	43 - 125
Phenol	1.00	0.8511		mg/Kg		85	34 - 125
Pyrene	1.00	0.7725		mg/Kg		77	46 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*71*		*16 - 132*
2-Fluorophenol (Surr)	*83*		*13 - 120*
Nitrobenzene-d5 (Surr)	*73*		*14 - 120*
Phenol-d6 (Surr)	*83*		*12 - 120*
p-Terphenyl-d14 (Surr)	*77*		*24 - 120*
2-Fluorobiphenyl (Surr)	*68*		*19 - 120*

Lab Sample ID: LCSD 570-113087/3-A
Matrix: Solid
Analysis Batch: 113653

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113087

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,6-Trichlorophenol	1.00	0.7617		mg/Kg		76	35 - 132	8	26

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

Lab Sample ID: LCSD 570-113087/3-A
Matrix: Solid
Analysis Batch: 113653

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113087

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dichlorophenol			1.00	0.8643		mg/Kg		86	43 - 130	8	24
2-Methylphenol			1.00	0.9025		mg/Kg		90	38 - 127	6	27
2-Nitrophenol			1.00	1.013		mg/Kg		101	28 - 149	9	30
4-Chloro-3-methylphenol			1.00	0.8374		mg/Kg		84	36 - 136	10	24
Acenaphthene			1.00	0.7994		mg/Kg		80	37 - 126	8	21
Benzo[a]pyrene			1.00	0.9195		mg/Kg		92	48 - 137	11	25
Chrysene			1.00	0.8472		mg/Kg		85	47 - 130	8	21
Dimethyl phthalate			1.00	0.8000		mg/Kg		80	35 - 131	9	20
Di-n-butyl phthalate			1.00	0.9313		mg/Kg		93	43 - 139	9	25
Fluoranthene			1.00	0.8388		mg/Kg		84	47 - 135	9	25
Fluorene			1.00	0.8266		mg/Kg		83	36 - 134	9	22
Naphthalene			1.00	0.8904		mg/Kg		89	41 - 126	9	23
Phenanthrene			1.00	0.8118		mg/Kg		81	43 - 125	9	19
Phenol			1.00	0.9060		mg/Kg		91	34 - 125	6	24
Pyrene			1.00	0.8527		mg/Kg		85	46 - 129	10	22

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*75*		*16 - 132*
2-Fluorophenol (Surr)	*87*		*13 - 120*
Nitrobenzene-d5 (Surr)	*78*		*14 - 120*
Phenol-d6 (Surr)	*87*		*12 - 120*
p-Terphenyl-d14 (Surr)	*81*		*24 - 120*
2-Fluorobiphenyl (Surr)	*72*		*19 - 120*

Lab Sample ID: 570-44896-A-6-B MS
Matrix: Solid
Analysis Batch: 113653

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 113087

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,6-Trichlorophenol	ND		0.998	0.7317		mg/Kg		73	24 - 133
2,4-Dichlorophenol	ND		0.998	0.8564		mg/Kg		86	31 - 130
2-Methylphenol	ND		0.998	0.9087		mg/Kg		91	20 - 128
2-Nitrophenol	ND		0.998	0.9860		mg/Kg		99	19 - 143
4-Chloro-3-methylphenol	ND		0.998	0.8248		mg/Kg		83	38 - 130
Acenaphthene	ND		0.998	0.7690		mg/Kg		77	36 - 125
Benzo[a]pyrene	ND		0.998	0.8147		mg/Kg		82	25 - 172
Chrysene	ND		0.998	0.7613		mg/Kg		76	28 - 158
Dimethyl phthalate	ND		0.998	0.7450		mg/Kg		75	30 - 125
Di-n-butyl phthalate	ND		0.998	0.8371		mg/Kg		83	28 - 142
Fluoranthene	0.024		0.998	0.7546		mg/Kg		73	14 - 175
Fluorene	ND		0.998	0.7788		mg/Kg		78	40 - 125
Naphthalene	ND		0.998	0.8669		mg/Kg		86	33 - 125
Phenanthrene	0.011		0.998	0.7463		mg/Kg		74	18 - 150
Phenol	ND		0.998	0.8938		mg/Kg		90	23 - 125
Pyrene	0.083		0.998	0.7818		mg/Kg		70	30 - 154

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*73*		*16 - 132*

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

Lab Sample ID: 570-44896-A-6-B MS
Matrix: Solid
Analysis Batch: 113653

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 113087

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorophenol (Surr)	*90*		*13 - 120*
Nitrobenzene-d5 (Surr)	*79*		*14 - 120*
Phenol-d6 (Surr)	*89*		*12 - 120*
p-Terphenyl-d14 (Surr)	*78*		*24 - 120*
2-Fluorobiphenyl (Surr)	*72*		*19 - 120*

Lab Sample ID: 570-44896-A-6-C MSD
Matrix: Solid
Analysis Batch: 113653

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 113087

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,6-Trichlorophenol	ND		1.00	0.7807		mg/Kg		78	24 - 133	6	28
2,4-Dichlorophenol	ND		1.00	0.9023		mg/Kg		90	31 - 130	5	25
2-Methylphenol	ND		1.00	0.9424		mg/Kg		94	20 - 128	4	26
2-Nitrophenol	ND		1.00	1.048		mg/Kg		105	19 - 143	6	28
4-Chloro-3-methylphenol	ND		1.00	0.8733		mg/Kg		87	38 - 130	6	22
Acenaphthene	ND		1.00	0.8296		mg/Kg		83	36 - 125	8	29
Benzo[a]pyrene	ND		1.00	0.9107		mg/Kg		91	25 - 172	11	27
Chrysene	ND		1.00	0.8326		mg/Kg		83	28 - 158	9	27
Dimethyl phthalate	ND		1.00	0.7968		mg/Kg		80	30 - 125	7	21
Di-n-butyl phthalate	ND		1.00	0.9252		mg/Kg		92	28 - 142	10	24
Fluoranthene	0.024		1.00	0.8423		mg/Kg		82	14 - 175	11	23
Fluorene	ND		1.00	0.8375		mg/Kg		83	40 - 125	7	24
Naphthalene	ND		1.00	0.9145		mg/Kg		91	33 - 125	5	28
Phenanthrene	0.011		1.00	0.8181		mg/Kg		81	18 - 150	9	22
Phenol	ND		1.00	0.9448		mg/Kg		95	23 - 125	6	25
Pyrene	0.083		1.00	0.8308		mg/Kg		75	30 - 154	6	29

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	*77*		*16 - 132*
2-Fluorophenol (Surr)	*89*		*13 - 120*
Nitrobenzene-d5 (Surr)	*79*		*14 - 120*
Phenol-d6 (Surr)	*90*		*12 - 120*
p-Terphenyl-d14 (Surr)	*80*		*24 - 120*
2-Fluorobiphenyl (Surr)	*74*		*19 - 120*

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

Lab Sample ID: MB 570-113235/1-A
Matrix: Solid
Analysis Batch: 113347

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113235

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 02:49	1
C7 as C7	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 02:49	1
C8 as C8	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 02:49	1
C9-C10	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 02:49	1
C11-C12	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 02:49	1

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

Lab Sample ID: MB 570-113235/1-A
Matrix: Solid
Analysis Batch: 113347

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113235

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C14	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 02:49	1
C15-C16	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 02:49	1
C17-C18	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 02:49	1
C19-C20	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 02:49	1
C21-C22	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 02:49	1
C23-C24	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 02:49	1
C25-C28	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 02:49	1
C29-C32	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 02:49	1
C33-C36	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 02:49	1
C37-C40	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 02:49	1
C41-C44	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 02:49	1
C6-C44	ND		5.0		mg/Kg		12/01/20 18:40	12/03/20 02:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*89*		*61 - 145*	*12/01/20 18:40*	*12/03/20 02:49*	*1*

Lab Sample ID: LCS 570-113235/2-A
Matrix: Solid
Analysis Batch: 113347

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113235

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			400	416.5		mg/Kg		104	67 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*89*		*61 - 145*

Lab Sample ID: LCSD 570-113235/3-A
Matrix: Solid
Analysis Batch: 113347

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113235

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			400	432.8		mg/Kg		108	67 - 121	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*91*		*61 - 145*

Lab Sample ID: 570-44327-I-13-B MS
Matrix: Solid
Analysis Batch: 113347

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 113235

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	25		402	379.5		mg/Kg		88	33 - 153		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*75*		*61 - 145*

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

Lab Sample ID: 570-44327-I-13-C MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 113347
Prep Batch: 113235

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	25		398	347.8		mg/Kg		81	33 - 153	9	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*69*		*61 - 145*

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

Lab Sample ID: MB 570-113183/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 113335
Prep Batch: 113183

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		12/01/20 15:39	12/02/20 10:55	1
Aroclor-1221	ND		50		ug/Kg		12/01/20 15:39	12/02/20 10:55	1
Aroclor-1232	ND		50		ug/Kg		12/01/20 15:39	12/02/20 10:55	1
Aroclor-1242	ND		50		ug/Kg		12/01/20 15:39	12/02/20 10:55	1
Aroclor-1248	ND		50		ug/Kg		12/01/20 15:39	12/02/20 10:55	1
Aroclor-1254	ND		50		ug/Kg		12/01/20 15:39	12/02/20 10:55	1
Aroclor-1260	ND		50		ug/Kg		12/01/20 15:39	12/02/20 10:55	1
Aroclor-1262	ND		50		ug/Kg		12/01/20 15:39	12/02/20 10:55	1
Aroclor-1268	ND		50		ug/Kg		12/01/20 15:39	12/02/20 10:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*20 - 155*	*12/01/20 15:39*	*12/02/20 10:55*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*25 - 126*	*12/01/20 15:39*	*12/02/20 10:55*	*1*

Lab Sample ID: LCS 570-113183/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 113335
Prep Batch: 113183

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			100	123.8		ug/Kg		124	50 - 142		
Aroclor-1260			100	113.6		ug/Kg		114	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*91*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*87*		*25 - 126*

Lab Sample ID: LCSD 570-113183/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 113335
Prep Batch: 113183

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016			100	131.5		ug/Kg		132	50 - 142	6	30
Aroclor-1260			100	126.5		ug/Kg		127	50 - 150	11	30

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

Lab Sample ID: LCSD 570-113183/3-A
Matrix: Solid
Analysis Batch: 113335

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113183

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	95		20 - 155
Tetrachloro-m-xylene (Surr)	92		25 - 126

Lab Sample ID: 570-44901-1 MS
Matrix: Solid
Analysis Batch: 113335

Client Sample ID: MC-SV-12_2
Prep Type: Total/NA
Prep Batch: 113183

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	ND		99.2	101.4		ug/Kg		102	20 - 175
Aroclor-1260	ND		99.2	97.60		ug/Kg		98	20 - 180

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	74		20 - 155
Tetrachloro-m-xylene (Surr)	68		25 - 126

Lab Sample ID: 570-44901-1 MSD
Matrix: Solid
Analysis Batch: 113335

Client Sample ID: MC-SV-12_2
Prep Type: Total/NA
Prep Batch: 113183

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		99.1	99.76		ug/Kg		101	20 - 175	2	40
Aroclor-1260	ND		99.1	93.90		ug/Kg		95	20 - 180	4	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	72		20 - 155
Tetrachloro-m-xylene (Surr)	66		25 - 126

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-113531/1-A
Matrix: Solid
Analysis Batch: 113944

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.251		mg/Kg		12/03/20 14:00	12/04/20 08:21	1
Arsenic	ND		0.754		mg/Kg		12/03/20 14:00	12/04/20 08:21	1
Barium	ND		0.503		mg/Kg		12/03/20 14:00	12/04/20 08:21	1
Beryllium	ND		0.251		mg/Kg		12/03/20 14:00	12/04/20 08:21	1
Cadmium	ND		0.503		mg/Kg		12/03/20 14:00	12/04/20 08:21	1
Cobalt	ND		0.251		mg/Kg		12/03/20 14:00	12/04/20 08:21	1
Chromium	ND		0.251		mg/Kg		12/03/20 14:00	12/04/20 08:21	1
Copper	ND		0.503		mg/Kg		12/03/20 14:00	12/04/20 08:21	1
Molybdenum	ND		0.251		mg/Kg		12/03/20 14:00	12/04/20 08:21	1
Nickel	ND		0.251		mg/Kg		12/03/20 14:00	12/04/20 08:21	1
Antimony	ND		0.754		mg/Kg		12/03/20 14:00	12/04/20 08:21	1
Selenium	ND		0.754		mg/Kg		12/03/20 14:00	12/04/20 08:21	1
Thallium	ND		0.754		mg/Kg		12/03/20 14:00	12/04/20 08:21	1
Vanadium	ND		0.251		mg/Kg		12/03/20 14:00	12/04/20 08:21	1

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

Lab Sample ID: MB 570-113531/1-A
Matrix: Solid
Analysis Batch: 113944

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		1.01		mg/Kg		12/03/20 14:00	12/04/20 08:21	1
Lead	ND		0.503		mg/Kg		12/03/20 14:00	12/04/20 08:21	1

Lab Sample ID: LCS 570-113531/2-A
Matrix: Solid
Analysis Batch: 113944

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	12.3	12.15		mg/Kg		99	80 - 120
Arsenic	24.6	23.81		mg/Kg		97	80 - 120
Barium	24.6	25.82		mg/Kg		105	80 - 120
Beryllium	24.6	23.51		mg/Kg		95	80 - 120
Cadmium	24.6	24.09		mg/Kg		98	80 - 120
Cobalt	24.6	24.90		mg/Kg		101	80 - 120
Chromium	24.6	24.34		mg/Kg		99	80 - 120
Copper	24.6	25.71		mg/Kg		104	80 - 120
Molybdenum	24.6	24.14		mg/Kg		98	80 - 120
Nickel	24.6	25.51		mg/Kg		104	80 - 120
Antimony	24.6	24.44		mg/Kg		99	80 - 120
Selenium	24.6	22.58		mg/Kg		92	80 - 120
Thallium	24.6	24.58		mg/Kg		100	80 - 120
Vanadium	24.6	24.38		mg/Kg		99	80 - 120
Zinc	24.6	25.25		mg/Kg		102	80 - 120
Lead	24.6	25.38		mg/Kg		103	80 - 120

Lab Sample ID: LCSD 570-113531/3-A
Matrix: Solid
Analysis Batch: 113944

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113531

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	12.4	12.36		mg/Kg		100	80 - 120	2	20
Arsenic	24.8	23.96		mg/Kg		97	80 - 120	1	20
Barium	24.8	26.22		mg/Kg		106	80 - 120	2	20
Beryllium	24.8	23.76		mg/Kg		96	80 - 120	1	20
Cadmium	24.8	24.37		mg/Kg		98	80 - 120	1	20
Cobalt	24.8	25.23		mg/Kg		102	80 - 120	1	20
Chromium	24.8	24.77		mg/Kg		100	80 - 120	2	20
Copper	24.8	26.34		mg/Kg		106	80 - 120	2	20
Molybdenum	24.8	24.60		mg/Kg		99	80 - 120	2	20
Nickel	24.8	25.64		mg/Kg		104	80 - 120	0	20
Antimony	24.8	24.41		mg/Kg		99	80 - 120	0	20
Selenium	24.8	24.44		mg/Kg		99	80 - 120	8	20
Thallium	24.8	25.05		mg/Kg		101	80 - 120	2	20
Vanadium	24.8	24.76		mg/Kg		100	80 - 120	2	20
Zinc	24.8	25.62		mg/Kg		103	80 - 120	1	20
Lead	24.8	25.72		mg/Kg		104	80 - 120	1	20

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

Lab Sample ID: 570-44327-I-7-D MS
Matrix: Solid
Analysis Batch: 113944

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 113531

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND	L	12.2	12.94		mg/Kg		106	75 - 125
Arsenic	12.4		24.4	36.02		mg/Kg		97	75 - 125
Barium	140		24.4	167.2	4	mg/Kg		112	75 - 125
Beryllium	0.850		24.4	26.09		mg/Kg		104	75 - 125
Cadmium	1.37		24.4	24.21		mg/Kg		94	75 - 125
Cobalt	7.50		24.4	30.44		mg/Kg		94	75 - 125
Chromium	16.0		24.4	40.62		mg/Kg		101	75 - 125
Copper	20.5		24.4	47.69		mg/Kg		112	75 - 125
Molybdenum	1.28		24.4	20.99		mg/Kg		81	75 - 125
Nickel	15.3		24.4	39.31		mg/Kg		99	75 - 125
Antimony	ND	F1	24.4	1.551	F1	mg/Kg		6	50 - 115
Selenium	ND		24.4	19.18		mg/Kg		79	75 - 125
Thallium	ND		24.4	20.60		mg/Kg		84	75 - 125
Vanadium	42.6		24.4	68.96		mg/Kg		108	75 - 125
Zinc	71.1		24.4	95.06		mg/Kg		98	75 - 125
Lead	8.52		24.4	32.09		mg/Kg		97	75 - 125

Lab Sample ID: 570-44327-I-7-E MSD
Matrix: Solid
Analysis Batch: 113944

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 113531

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND	L	12.4	12.91		mg/Kg		104	75 - 125	0	20
Arsenic	12.4		24.9	35.61		mg/Kg		93	75 - 125	1	20
Barium	140		24.9	160.5	4	mg/Kg		83	75 - 125	4	20
Beryllium	0.850		24.9	25.95		mg/Kg		101	75 - 125	1	20
Cadmium	1.37		24.9	24.40		mg/Kg		93	75 - 125	1	20
Cobalt	7.50		24.9	30.17		mg/Kg		91	75 - 125	1	20
Chromium	16.0		24.9	40.95		mg/Kg		100	75 - 125	1	20
Copper	20.5		24.9	47.56		mg/Kg		109	75 - 125	0	20
Molybdenum	1.28		24.9	21.48		mg/Kg		81	75 - 125	2	20
Nickel	15.3		24.9	41.44		mg/Kg		105	75 - 125	5	20
Antimony	ND	F1	24.9	1.820	F1	mg/Kg		7	50 - 115	16	20
Selenium	ND		24.9	19.90		mg/Kg		80	75 - 125	4	20
Thallium	ND		24.9	22.42		mg/Kg		90	75 - 125	8	20
Vanadium	42.6		24.9	69.31		mg/Kg		107	75 - 125	0	20
Zinc	71.1		24.9	96.73		mg/Kg		103	75 - 125	2	20
Lead	8.52		24.9	31.88		mg/Kg		94	75 - 125	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-113532/1-A
Matrix: Solid
Analysis Batch: 113956

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113532

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0847		mg/Kg		12/03/20 14:00	12/04/20 09:52	1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 570-113532/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 113956
Prep Batch: 113532

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.806	0.7416		mg/Kg		92	85 - 121		

Lab Sample ID: LCSD 570-113532/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 113956
Prep Batch: 113532

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.833	0.7649		mg/Kg		92	85 - 121	3	10

Lab Sample ID: 570-44327-I-7-G MS
Client Sample ID: Matrix Spike
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 113956
Prep Batch: 113532

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	ND		0.862	0.6938		mg/Kg		78	71 - 137		

Lab Sample ID: 570-44327-I-7-H MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 113956
Prep Batch: 113532

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.820	0.6625		mg/Kg		78	71 - 137	5	14

GC/MS VOA

Analysis Batch: 113009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44901-1	MC-SV-12_2	Total/NA	Solid	8260B	113104
570-44901-2	MC-SV-12_5	Total/NA	Solid	8260B	113104
570-44901-5	MC-SV-9_2	Total/NA	Solid	8260B	113104
570-44901-6	MC-SV-9_5	Total/NA	Solid	8260B	113104
570-44901-9	MC-SV-7_2	Total/NA	Solid	8260B	113104
570-44901-10	MC-SV-7_5	Total/NA	Solid	8260B	113104
570-44901-15	MC-SV-10_2	Total/NA	Solid	8260B	113104
570-44901-16	MC-SV-10_5	Total/NA	Solid	8260B	113104
570-44901-19	MPO-SV-12_2	Total/NA	Solid	8260B	113104
570-44901-20	MPO-SV-12_5	Total/NA	Solid	8260B	113104
MB 570-113009/7	Method Blank	Total/NA	Solid	8260B	
LCS 570-113009/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-113009/5	Lab Control Sample Dup	Total/NA	Solid	8260B	

Prep Batch: 113104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44901-1	MC-SV-12_2	Total/NA	Solid	5035	
570-44901-2	MC-SV-12_5	Total/NA	Solid	5035	
570-44901-5	MC-SV-9_2	Total/NA	Solid	5035	
570-44901-6	MC-SV-9_5	Total/NA	Solid	5035	
570-44901-9	MC-SV-7_2	Total/NA	Solid	5035	
570-44901-10	MC-SV-7_5	Total/NA	Solid	5035	
570-44901-15	MC-SV-10_2	Total/NA	Solid	5035	
570-44901-16	MC-SV-10_5	Total/NA	Solid	5035	
570-44901-19	MPO-SV-12_2	Total/NA	Solid	5035	
570-44901-20	MPO-SV-12_5	Total/NA	Solid	5035	

Analysis Batch: 113296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44901-13	TB_20201130	Total/NA	Water	8260B	
570-44901-14	EB_20201130	Total/NA	Water	8260B	
MB 570-113296/7	Method Blank	Total/NA	Water	8260B	
LCS 570-113296/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-113296/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 113087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44901-1	MC-SV-12_2	Total/NA	Solid	3546	
570-44901-2	MC-SV-12_5	Total/NA	Solid	3546	
570-44901-5	MC-SV-9_2	Total/NA	Solid	3546	
570-44901-6	MC-SV-9_5	Total/NA	Solid	3546	
570-44901-9	MC-SV-7_2	Total/NA	Solid	3546	
570-44901-10	MC-SV-7_5	Total/NA	Solid	3546	
570-44901-15	MC-SV-10_2	Total/NA	Solid	3546	
570-44901-16	MC-SV-10_5	Total/NA	Solid	3546	
570-44901-19	MPO-SV-12_2	Total/NA	Solid	3546	
MB 570-113087/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-113087/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-113087/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 113087 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44896-A-6-B MS	Matrix Spike	Total/NA	Solid	3546	
570-44896-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 113653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44901-1	MC-SV-12_2	Total/NA	Solid	8270C SIM	113087
570-44901-2	MC-SV-12_5	Total/NA	Solid	8270C SIM	113087
570-44901-5	MC-SV-9_2	Total/NA	Solid	8270C SIM	113087
570-44901-6	MC-SV-9_5	Total/NA	Solid	8270C SIM	113087
570-44901-9	MC-SV-7_2	Total/NA	Solid	8270C SIM	113087
570-44901-10	MC-SV-7_5	Total/NA	Solid	8270C SIM	113087
570-44901-15	MC-SV-10_2	Total/NA	Solid	8270C SIM	113087
570-44901-16	MC-SV-10_5	Total/NA	Solid	8270C SIM	113087
570-44901-19	MPO-SV-12_2	Total/NA	Solid	8270C SIM	113087
MB 570-113087/1-A	Method Blank	Total/NA	Solid	8270C SIM	113087
LCS 570-113087/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	113087
LCSD 570-113087/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C SIM	113087
570-44896-A-6-B MS	Matrix Spike	Total/NA	Solid	8270C SIM	113087
570-44896-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270C SIM	113087

Analysis Batch: 113936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44901-1	MC-SV-12_2	Total/NA	Solid	8270C SIM	113087
570-44901-2	MC-SV-12_5	Total/NA	Solid	8270C SIM	113087
570-44901-5	MC-SV-9_2	Total/NA	Solid	8270C SIM	113087
570-44901-6	MC-SV-9_5	Total/NA	Solid	8270C SIM	113087
570-44901-9	MC-SV-7_2	Total/NA	Solid	8270C SIM	113087
570-44901-10	MC-SV-7_5	Total/NA	Solid	8270C SIM	113087
570-44901-15	MC-SV-10_2	Total/NA	Solid	8270C SIM	113087
570-44901-16	MC-SV-10_5	Total/NA	Solid	8270C SIM	113087
570-44901-19	MPO-SV-12_2	Total/NA	Solid	8270C SIM	113087

GC Semi VOA

Prep Batch: 113183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44901-1	MC-SV-12_2	Total/NA	Solid	3546	
570-44901-2	MC-SV-12_5	Total/NA	Solid	3546	
570-44901-5	MC-SV-9_2	Total/NA	Solid	3546	
570-44901-6	MC-SV-9_5	Total/NA	Solid	3546	
570-44901-9	MC-SV-7_2	Total/NA	Solid	3546	
570-44901-10	MC-SV-7_5	Total/NA	Solid	3546	
570-44901-15	MC-SV-10_2	Total/NA	Solid	3546	
570-44901-16	MC-SV-10_5	Total/NA	Solid	3546	
570-44901-19	MPO-SV-12_2	Total/NA	Solid	3546	
MB 570-113183/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-113183/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-113183/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
570-44901-1 MS	MC-SV-12_2	Total/NA	Solid	3546	
570-44901-1 MSD	MC-SV-12_2	Total/NA	Solid	3546	

GC Semi VOA

Prep Batch: 113235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44901-1	MC-SV-12_2	Total/NA	Solid	3550C	
570-44901-2	MC-SV-12_5	Total/NA	Solid	3550C	
570-44901-5	MC-SV-9_2	Total/NA	Solid	3550C	
570-44901-6	MC-SV-9_5	Total/NA	Solid	3550C	
570-44901-9	MC-SV-7_2	Total/NA	Solid	3550C	
570-44901-10	MC-SV-7_5	Total/NA	Solid	3550C	
570-44901-15	MC-SV-10_2	Total/NA	Solid	3550C	
570-44901-16	MC-SV-10_5	Total/NA	Solid	3550C	
570-44901-19	MPO-SV-12_2	Total/NA	Solid	3550C	
570-44901-20	MPO-SV-12_5	Total/NA	Solid	3550C	
MB 570-113235/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-113235/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-113235/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-44327-I-13-B MS	Matrix Spike	Total/NA	Solid	3550C	
570-44327-I-13-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

Analysis Batch: 113335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44901-1	MC-SV-12_2	Total/NA	Solid	8082	113183
570-44901-2	MC-SV-12_5	Total/NA	Solid	8082	113183
570-44901-5	MC-SV-9_2	Total/NA	Solid	8082	113183
570-44901-6	MC-SV-9_5	Total/NA	Solid	8082	113183
570-44901-9	MC-SV-7_2	Total/NA	Solid	8082	113183
570-44901-10	MC-SV-7_5	Total/NA	Solid	8082	113183
MB 570-113183/1-A	Method Blank	Total/NA	Solid	8082	113183
LCS 570-113183/2-A	Lab Control Sample	Total/NA	Solid	8082	113183
LCSD 570-113183/3-A	Lab Control Sample Dup	Total/NA	Solid	8082	113183
570-44901-1 MS	MC-SV-12_2	Total/NA	Solid	8082	113183
570-44901-1 MSD	MC-SV-12_2	Total/NA	Solid	8082	113183

Analysis Batch: 113347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44901-1	MC-SV-12_2	Total/NA	Solid	8015B	113235
570-44901-2	MC-SV-12_5	Total/NA	Solid	8015B	113235
570-44901-5	MC-SV-9_2	Total/NA	Solid	8015B	113235
570-44901-6	MC-SV-9_5	Total/NA	Solid	8015B	113235
570-44901-9	MC-SV-7_2	Total/NA	Solid	8015B	113235
570-44901-10	MC-SV-7_5	Total/NA	Solid	8015B	113235
570-44901-15	MC-SV-10_2	Total/NA	Solid	8015B	113235
570-44901-16	MC-SV-10_5	Total/NA	Solid	8015B	113235
570-44901-19	MPO-SV-12_2	Total/NA	Solid	8015B	113235
570-44901-20	MPO-SV-12_5	Total/NA	Solid	8015B	113235
MB 570-113235/1-A	Method Blank	Total/NA	Solid	8015B	113235
LCS 570-113235/2-A	Lab Control Sample	Total/NA	Solid	8015B	113235
LCSD 570-113235/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	113235
570-44327-I-13-B MS	Matrix Spike	Total/NA	Solid	8015B	113235
570-44327-I-13-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	113235

Analysis Batch: 113454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44901-15	MC-SV-10_2	Total/NA	Solid	8082	113183

GC Semi VOA (Continued)

Analysis Batch: 113454 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44901-16	MC-SV-10_5	Total/NA	Solid	8082	113183
570-44901-19	MPO-SV-12_2	Total/NA	Solid	8082	113183

Metals

Prep Batch: 113531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44901-1	MC-SV-12_2	Total/NA	Solid	3050B	
570-44901-2	MC-SV-12_5	Total/NA	Solid	3050B	
570-44901-5	MC-SV-9_2	Total/NA	Solid	3050B	
570-44901-6	MC-SV-9_5	Total/NA	Solid	3050B	
570-44901-9	MC-SV-7_2	Total/NA	Solid	3050B	
570-44901-10	MC-SV-7_5	Total/NA	Solid	3050B	
570-44901-15	MC-SV-10_2	Total/NA	Solid	3050B	
570-44901-16	MC-SV-10_5	Total/NA	Solid	3050B	
570-44901-19	MPO-SV-12_2	Total/NA	Solid	3050B	
MB 570-113531/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-113531/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-113531/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-44327-I-7-D MS	Matrix Spike	Total/NA	Solid	3050B	
570-44327-I-7-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Prep Batch: 113532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44901-1	MC-SV-12_2	Total/NA	Solid	7471A	
570-44901-2	MC-SV-12_5	Total/NA	Solid	7471A	
570-44901-5	MC-SV-9_2	Total/NA	Solid	7471A	
570-44901-6	MC-SV-9_5	Total/NA	Solid	7471A	
570-44901-9	MC-SV-7_2	Total/NA	Solid	7471A	
570-44901-10	MC-SV-7_5	Total/NA	Solid	7471A	
570-44901-15	MC-SV-10_2	Total/NA	Solid	7471A	
570-44901-16	MC-SV-10_5	Total/NA	Solid	7471A	
570-44901-19	MPO-SV-12_2	Total/NA	Solid	7471A	
MB 570-113532/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-113532/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-113532/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-44327-I-7-G MS	Matrix Spike	Total/NA	Solid	7471A	
570-44327-I-7-H MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	

Analysis Batch: 113944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44901-1	MC-SV-12_2	Total/NA	Solid	6010B	113531
570-44901-2	MC-SV-12_5	Total/NA	Solid	6010B	113531
570-44901-5	MC-SV-9_2	Total/NA	Solid	6010B	113531
570-44901-6	MC-SV-9_5	Total/NA	Solid	6010B	113531
570-44901-9	MC-SV-7_2	Total/NA	Solid	6010B	113531
570-44901-10	MC-SV-7_5	Total/NA	Solid	6010B	113531
570-44901-15	MC-SV-10_2	Total/NA	Solid	6010B	113531
570-44901-16	MC-SV-10_5	Total/NA	Solid	6010B	113531
570-44901-19	MPO-SV-12_2	Total/NA	Solid	6010B	113531
MB 570-113531/1-A	Method Blank	Total/NA	Solid	6010B	113531

Metals (Continued)

Analysis Batch: 113944 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-113531/2-A	Lab Control Sample	Total/NA	Solid	6010B	113531
LCSD 570-113531/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	113531
570-44327-I-7-D MS	Matrix Spike	Total/NA	Solid	6010B	113531
570-44327-I-7-E MSD	Matrix Spike Duplicate	Total/NA	Solid	6010B	113531

Analysis Batch: 113956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-44901-1	MC-SV-12_2	Total/NA	Solid	7471A	113532
570-44901-2	MC-SV-12_5	Total/NA	Solid	7471A	113532
570-44901-5	MC-SV-9_2	Total/NA	Solid	7471A	113532
570-44901-6	MC-SV-9_5	Total/NA	Solid	7471A	113532
570-44901-9	MC-SV-7_2	Total/NA	Solid	7471A	113532
570-44901-10	MC-SV-7_5	Total/NA	Solid	7471A	113532
570-44901-15	MC-SV-10_2	Total/NA	Solid	7471A	113532
570-44901-16	MC-SV-10_5	Total/NA	Solid	7471A	113532
570-44901-19	MPO-SV-12_2	Total/NA	Solid	7471A	113532
MB 570-113532/1-A	Method Blank	Total/NA	Solid	7471A	113532
LCS 570-113532/2-A	Lab Control Sample	Total/NA	Solid	7471A	113532
LCSD 570-113532/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	113532
570-44327-I-7-G MS	Matrix Spike	Total/NA	Solid	7471A	113532
570-44327-I-7-H MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	113532

Client Sample ID: MC-SV-12_2

Lab Sample ID: 570-44901-1

Date Collected: 11/30/20 07:45

Matrix: Solid

Date Received: 11/30/20 15:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.044 g	5 g	113104	12/01/20 11:36	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	113009	12/01/20 12:53	MGX6	ECL 2
	Instrument ID: GCMSCC									
Total/NA	Prep	3546			20.14 g	2 mL	113087	12/01/20 18:10	USUL	ECL 1
Total/NA	Analysis	8270C SIM		1			113936	12/04/20 12:43	ULLI	ECL 1
	Instrument ID: GCMSEEE									
Total/NA	Prep	3546			20.14 g	2 mL	113087	12/01/20 18:10	USUL	ECL 1
Total/NA	Analysis	8270C SIM		1			113653	12/03/20 16:23	ULLI	ECL 1
	Instrument ID: GCMSJJJ									
Total/NA	Prep	3550C			9.92 g	10.00 mL	113235	12/01/20 18:40	EM5C	ECL 1
Total/NA	Analysis	8015B		1			113347	12/03/20 09:34	UJ3K	ECL 1
	Instrument ID: GC45									
Total/NA	Prep	3546			20.12 g	10 mL	113183	12/01/20 15:39	OM8W	ECL 1
Total/NA	Analysis	8082		1			113335	12/02/20 12:24	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.94 g	100 mL	113531	12/03/20 14:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			113944	12/04/20 08:55	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.58 g	100 mL	113532	12/03/20 14:00	SP7J	ECL 1
Total/NA	Analysis	7471A		1			113956	12/04/20 10:24	MD3A	ECL 1
	Instrument ID: HG8									

Client Sample ID: MC-SV-12_5

Lab Sample ID: 570-44901-2

Date Collected: 11/30/20 07:54

Matrix: Solid

Date Received: 11/30/20 15:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.632 g	5 g	113104	12/01/20 11:36	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	113009	12/01/20 13:21	MGX6	ECL 2
	Instrument ID: GCMSCC									
Total/NA	Prep	3546			20.18 g	2 mL	113087	12/01/20 18:10	USUL	ECL 1
Total/NA	Analysis	8270C SIM		1			113936	12/04/20 13:01	ULLI	ECL 1
	Instrument ID: GCMSEEE									
Total/NA	Prep	3546			20.18 g	2 mL	113087	12/01/20 18:10	USUL	ECL 1
Total/NA	Analysis	8270C SIM		1			113653	12/03/20 16:41	ULLI	ECL 1
	Instrument ID: GCMSJJJ									
Total/NA	Prep	3550C			10.04 g	10.00 mL	113235	12/01/20 18:40	EM5C	ECL 1
Total/NA	Analysis	8015B		1			113347	12/03/20 09:55	UJ3K	ECL 1
	Instrument ID: GC45									
Total/NA	Prep	3546			20.14 g	10 mL	113183	12/01/20 15:39	OM8W	ECL 1
Total/NA	Analysis	8082		1			113335	12/02/20 13:36	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.03 g	100 mL	113531	12/03/20 14:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			113944	12/04/20 08:57	ULPF	ECL 1
	Instrument ID: ICP8									

Lab Chronicle

Client: Avocet Environmental Inc
Job ID: 570-44901-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: MC-SV-12_5
Lab Sample ID: 570-44901-2
Date Collected: 11/30/20 07:54
Matrix: Solid
Date Received: 11/30/20 15:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.62 g	100 mL	113532	12/03/20 14:00	SP7J	ECL 1
Total/NA	Analysis	7471A		1			113956	12/04/20 10:26	MD3A	ECL 1
	Instrument ID: HG8									

Client Sample ID: MC-SV-9_2
Lab Sample ID: 570-44901-5
Date Collected: 11/30/20 09:22
Matrix: Solid
Date Received: 11/30/20 15:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.572 g	5 g	113104	12/01/20 11:36	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	113009	12/01/20 13:49	MGX6	ECL 2
	Instrument ID: GCMSCC									
Total/NA	Prep	3546			20.13 g	2 mL	113087	12/01/20 18:10	USUL	ECL 1
Total/NA	Analysis	8270C SIM		1			113936	12/04/20 13:20	ULLI	ECL 1
	Instrument ID: GCMSEEE									
Total/NA	Prep	3546			20.13 g	2 mL	113087	12/01/20 18:10	USUL	ECL 1
Total/NA	Analysis	8270C SIM		1			113653	12/03/20 17:00	ULLI	ECL 1
	Instrument ID: GCMSJJJ									
Total/NA	Prep	3550C			9.92 g	10.00 mL	113235	12/01/20 18:40	EM5C	ECL 1
Total/NA	Analysis	8015B		1			113347	12/03/20 10:15	UJ3K	ECL 1
	Instrument ID: GC45									
Total/NA	Prep	3546			20.20 g	10 mL	113183	12/01/20 15:39	OM8W	ECL 1
Total/NA	Analysis	8082		1			113335	12/02/20 13:54	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.94 g	100 mL	113531	12/03/20 14:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			113944	12/04/20 08:59	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.63 g	100 mL	113532	12/03/20 14:00	SP7J	ECL 1
Total/NA	Analysis	7471A		1			113956	12/04/20 10:28	MD3A	ECL 1
	Instrument ID: HG8									

Client Sample ID: MC-SV-9_5
Lab Sample ID: 570-44901-6
Date Collected: 11/30/20 09:26
Matrix: Solid
Date Received: 11/30/20 15:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.161 g	5 g	113104	12/01/20 11:36	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	113009	12/01/20 14:17	MGX6	ECL 2
	Instrument ID: GCMSCC									
Total/NA	Prep	3546			20.17 g	2 mL	113087	12/01/20 18:10	USUL	ECL 1
Total/NA	Analysis	8270C SIM		1			113936	12/04/20 13:39	ULLI	ECL 1
	Instrument ID: GCMSEEE									
Total/NA	Prep	3546			20.17 g	2 mL	113087	12/01/20 18:10	USUL	ECL 1
Total/NA	Analysis	8270C SIM		1			113653	12/03/20 17:18	ULLI	ECL 1
	Instrument ID: GCMSJJJ									

Lab Chronicle

Client: Avocet Environmental Inc
Job ID: 570-44901-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: MC-SV-9_5

Lab Sample ID: 570-44901-6

Date Collected: 11/30/20 09:26

Matrix: Solid

Date Received: 11/30/20 15:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			9.99 g	10.00 mL	113235	12/01/20 18:40	EM5C	ECL 1
Total/NA	Analysis	8015B		1			113347	12/03/20 10:36	UJ3K	ECL 1
	Instrument ID: GC45									
Total/NA	Prep	3546			20.11 g	10 mL	113183	12/01/20 15:39	OM8W	ECL 1
Total/NA	Analysis	8082		1			113335	12/02/20 14:12	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.02 g	100 mL	113531	12/03/20 14:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			113944	12/04/20 09:01	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.62 g	100 mL	113532	12/03/20 14:00	SP7J	ECL 1
Total/NA	Analysis	7471A		1			113956	12/04/20 10:29	MD3A	ECL 1
	Instrument ID: HG8									

Client Sample ID: MC-SV-7_2

Lab Sample ID: 570-44901-9

Date Collected: 11/30/20 10:23

Matrix: Solid

Date Received: 11/30/20 15:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.646 g	5 g	113104	12/01/20 11:36	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	113009	12/01/20 15:12	MGX6	ECL 2
	Instrument ID: GCMSCC									
Total/NA	Prep	3546			20.11 g	2 mL	113087	12/01/20 18:10	USUL	ECL 1
Total/NA	Analysis	8270C SIM		1			113936	12/04/20 13:57	ULLI	ECL 1
	Instrument ID: GCMSEEE									
Total/NA	Prep	3546			20.11 g	2 mL	113087	12/01/20 18:10	USUL	ECL 1
Total/NA	Analysis	8270C SIM		1			113653	12/03/20 17:36	ULLI	ECL 1
	Instrument ID: GCMSJJJ									
Total/NA	Prep	3550C			10.04 g	10.00 mL	113235	12/01/20 18:40	EM5C	ECL 1
Total/NA	Analysis	8015B		1			113347	12/03/20 10:56	UJ3K	ECL 1
	Instrument ID: GC45									
Total/NA	Prep	3546			20.22 g	10 mL	113183	12/01/20 15:39	OM8W	ECL 1
Total/NA	Analysis	8082		1			113335	12/02/20 14:30	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.06 g	100 mL	113531	12/03/20 14:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			113944	12/04/20 09:03	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.59 g	100 mL	113532	12/03/20 14:00	SP7J	ECL 1
Total/NA	Analysis	7471A		1			113956	12/04/20 10:31	MD3A	ECL 1
	Instrument ID: HG8									

Client Sample ID: MC-SV-7_5
Lab Sample ID: 570-44901-10

Date Collected: 11/30/20 10:29
Matrix: Solid
Date Received: 11/30/20 15:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.07 g	5 g	113104	12/01/20 11:36	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	113009	12/01/20 15:40	MGX6	ECL 2
	Instrument ID: GCMSCC									
Total/NA	Prep	3546			20.15 g	2 mL	113087	12/01/20 18:10	USUL	ECL 1
Total/NA	Analysis	8270C SIM		1			113936	12/04/20 14:16	ULLI	ECL 1
	Instrument ID: GCMSEEE									
Total/NA	Prep	3546			20.15 g	2 mL	113087	12/01/20 18:10	USUL	ECL 1
Total/NA	Analysis	8270C SIM		1			113653	12/03/20 17:54	ULLI	ECL 1
	Instrument ID: GCMSJJJ									
Total/NA	Prep	3550C			10.08 g	10.00 mL	113235	12/01/20 18:40	EM5C	ECL 1
Total/NA	Analysis	8015B		1			113347	12/03/20 14:01	UJ3K	ECL 1
	Instrument ID: GC45									
Total/NA	Prep	3546			20.17 g	10 mL	113183	12/01/20 15:39	OM8W	ECL 1
Total/NA	Analysis	8082		1			113335	12/02/20 14:48	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.08 g	100 mL	113531	12/03/20 14:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			113944	12/04/20 09:05	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.58 g	100 mL	113532	12/03/20 14:00	SP7J	ECL 1
Total/NA	Analysis	7471A		1			113956	12/04/20 10:33	MD3A	ECL 1
	Instrument ID: HG8									

Client Sample ID: TB_20201130
Lab Sample ID: 570-44901-13

Date Collected: 11/30/20 00:00
Matrix: Water
Date Received: 11/30/20 15:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	113296	12/02/20 11:42	CVA6	ECL 2
	Instrument ID: GCMSJJ									

Client Sample ID: EB_20201130
Lab Sample ID: 570-44901-14

Date Collected: 11/30/20 13:55
Matrix: Water
Date Received: 11/30/20 15:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	113296	12/02/20 12:37	CVA6	ECL 2
	Instrument ID: GCMSJJ									

Client Sample ID: MC-SV-10_2
Lab Sample ID: 570-44901-15

Date Collected: 11/30/20 12:10
Matrix: Solid
Date Received: 11/30/20 15:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.696 g	5 g	113104	12/01/20 11:36	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	113009	12/01/20 16:08	MGX6	ECL 2
	Instrument ID: GCMSCC									

Client Sample ID: MC-SV-10_2

Lab Sample ID: 570-44901-15

Date Collected: 11/30/20 12:10

Matrix: Solid

Date Received: 11/30/20 15:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.18 g	2 mL	113087	12/01/20 18:10	USUL	ECL 1
Total/NA	Analysis	8270C SIM		1			113936	12/04/20 14:34	ULLI	ECL 1
	Instrument ID: GCMSEEE									
Total/NA	Prep	3546			20.18 g	2 mL	113087	12/01/20 18:10	USUL	ECL 1
Total/NA	Analysis	8270C SIM		1			113653	12/03/20 18:12	ULLI	ECL 1
	Instrument ID: GCMSJJJ									
Total/NA	Prep	3550C			9.96 g	10.00 mL	113235	12/01/20 18:40	EM5C	ECL 1
Total/NA	Analysis	8015B		1			113347	12/03/20 11:39	UJ3K	ECL 1
	Instrument ID: GC45									
Total/NA	Prep	3546			20.15 g	10 mL	113183	12/01/20 15:39	OM8W	ECL 1
Total/NA	Analysis	8082		1			113454	12/03/20 10:15	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.06 g	100 mL	113531	12/03/20 14:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			113944	12/04/20 09:07	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.60 g	100 mL	113532	12/03/20 14:00	SP7J	ECL 1
Total/NA	Analysis	7471A		1			113956	12/04/20 10:35	MD3A	ECL 1
	Instrument ID: HG8									

Client Sample ID: MC-SV-10_5

Lab Sample ID: 570-44901-16

Date Collected: 11/30/20 12:16

Matrix: Solid

Date Received: 11/30/20 15:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.524 g	5 g	113104	12/01/20 11:36	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	113009	12/01/20 16:36	MGX6	ECL 2
	Instrument ID: GCMSCC									
Total/NA	Prep	3546			20.14 g	2 mL	113087	12/01/20 18:10	USUL	ECL 1
Total/NA	Analysis	8270C SIM		1			113936	12/04/20 14:53	ULLI	ECL 1
	Instrument ID: GCMSEEE									
Total/NA	Prep	3546			20.14 g	2 mL	113087	12/01/20 18:10	USUL	ECL 1
Total/NA	Analysis	8270C SIM		1			113653	12/03/20 18:31	ULLI	ECL 1
	Instrument ID: GCMSJJJ									
Total/NA	Prep	3550C			9.98 g	10.00 mL	113235	12/01/20 18:40	EM5C	ECL 1
Total/NA	Analysis	8015B		1			113347	12/03/20 14:22	UJ3K	ECL 1
	Instrument ID: GC45									
Total/NA	Prep	3546			20.11 g	10 mL	113183	12/01/20 15:39	OM8W	ECL 1
Total/NA	Analysis	8082		1			113454	12/03/20 01:35	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.06 g	100 mL	113531	12/03/20 14:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			113944	12/04/20 09:09	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.61 g	100 mL	113532	12/03/20 14:00	SP7J	ECL 1
Total/NA	Analysis	7471A		1			113956	12/04/20 10:37	MD3A	ECL 1
	Instrument ID: HG8									

Client: Avocet Environmental Inc
Job ID: 570-44901-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: MPO-SV-12_2
Lab Sample ID: 570-44901-19

Date Collected: 11/30/20 13:06
Matrix: Solid
Date Received: 11/30/20 15:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.133 g	5 g	113104	12/01/20 11:36	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	113009	12/01/20 17:07	MGX6	ECL 2
	Instrument ID: GCMSCC									
Total/NA	Prep	3546			20.12 g	2 mL	113087	12/01/20 18:10	USUL	ECL 1
Total/NA	Analysis	8270C SIM		1			113936	12/04/20 15:12	ULLI	ECL 1
	Instrument ID: GCMSEEE									
Total/NA	Prep	3546			20.12 g	2 mL	113087	12/01/20 18:10	USUL	ECL 1
Total/NA	Analysis	8270C SIM		1			113653	12/03/20 18:49	ULLI	ECL 1
	Instrument ID: GCMSJJJ									
Total/NA	Prep	3550C			9.96 g	10.00 mL	113235	12/01/20 18:40	EM5C	ECL 1
Total/NA	Analysis	8015B		1			113347	12/03/20 12:19	UJ3K	ECL 1
	Instrument ID: GC45									
Total/NA	Prep	3546			20.13 g	10 mL	113183	12/01/20 15:39	OM8W	ECL 1
Total/NA	Analysis	8082		1			113454	12/03/20 01:53	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.09 g	100 mL	113531	12/03/20 14:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			113944	12/04/20 09:11	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.63 g	100 mL	113532	12/03/20 14:00	SP7J	ECL 1
Total/NA	Analysis	7471A		1			113956	12/04/20 10:39	MD3A	ECL 1
	Instrument ID: HG8									

Client Sample ID: MPO-SV-12_5
Lab Sample ID: 570-44901-20

Date Collected: 11/30/20 13:12
Matrix: Solid
Date Received: 11/30/20 15:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.083 g	5 g	113104	12/01/20 11:36	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	113009	12/01/20 17:34	MGX6	ECL 2
	Instrument ID: GCMSCC									
Total/NA	Prep	3550C			9.94 g	10.00 mL	113235	12/01/20 18:40	EM5C	ECL 1
Total/NA	Analysis	8015B		1			113347	12/03/20 11:59	UJ3K	ECL 1
	Instrument ID: GC45									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Avocet Environmental Inc
Job ID: 570-44901-1
Project/Site: Fairview Development Center / 1431.005

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	State	2944	09-30-21
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

Method Summary

Client: Avocet Environmental Inc
Job ID: 570-44901-1
Project/Site: Fairview Development Center / 1431.005

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
8270C SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	ECL 1
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
6010B	Metals (ICP)	SW846	ECL 1
7471A	Mercury (CVAA)	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1
3546	Microwave Extraction	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL 2
5035	Closed System Purge and Trap	SW846	ECL 2
7471A	Preparation, Mercury	SW846	ECL 1

Protocol References:

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

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Avocet Environmental Inc
Job ID: 570-44901-1
Project/Site: Fairview Development Center / 1431.005

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-44901-1	MC-SV-12_2	Solid	11/30/20 07:45	11/30/20 15:18	
570-44901-2	MC-SV-12_5	Solid	11/30/20 07:54	11/30/20 15:18	
570-44901-5	MC-SV-9_2	Solid	11/30/20 09:22	11/30/20 15:18	
570-44901-6	MC-SV-9_5	Solid	11/30/20 09:26	11/30/20 15:18	
570-44901-9	MC-SV-7_2	Solid	11/30/20 10:23	11/30/20 15:18	
570-44901-10	MC-SV-7_5	Solid	11/30/20 10:29	11/30/20 15:18	
570-44901-13	TB_20201130	Water	11/30/20 00:00	11/30/20 15:18	
570-44901-14	EB_20201130	Water	11/30/20 13:55	11/30/20 15:18	
570-44901-15	MC-SV-10_2	Solid	11/30/20 12:10	11/30/20 15:18	
570-44901-16	MC-SV-10_5	Solid	11/30/20 12:16	11/30/20 15:18	
570-44901-19	MPO-SV-12_2	Solid	11/30/20 13:06	11/30/20 15:18	
570-44901-20	MPO-SV-12_5	Solid	11/30/20 13:12	11/30/20 15:18	

44901

AVOCET ENVIRONMENTAL, INC.
1 Technology Drive, Suite C515
Irvine, California 92618-5302
TEL (949) 296-0977
FAX (949) 296-0978

Sheet 1 of 3

CHAIN OF CUSTODY RECORD

Project Information:	Event Name:
Site Name	**Fairview Developmental Center**
Site Location	**Costa Mesa, Ca**
Project No.	**1431.005**
Project Manager	**Deke Siren**
Sampled By	**SRR / CS**
Turnaround Time	**Standard**

ECI Project # 57006451

Sample Identification	Sample Date	Sample Time	Matrix	No. of Cntnrs.	Lab I.D. Number	TPH (C6-44) by EPA 8015B	VOCs by EPA 8260B/5035	SVOCs by EPA 8270 SIM	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	CrVI by EPA 7199	HOLD
MC - SV - 12 _2	11/30/20	07:45	Soil	4	1	X	X	X	X	X		
MC - SV - 12 _5		07:54		4	2	X	X	X	X	X		
MC - SV - 12 _10		08:08		1	3							X
MC - SV - 12 _15		08:38		1	4							X
MC - SV - 9 _2		09:22		4	5	X	X	X	X	X		
MC - SV - 9 _5		09:26		4	6	X	X	X	X	X		
MC - SV - 9 _10		09:33		1	7							X
MC - SV - 9 _15		09:44		1	8							X
MC - SV - 7 _2		10:23		4	9	X	X	X	X	X		
MC - SV - 7 _5		10:29		4	10	X	X	X	X	X		
MC - SV - 7 _10		10:43		1	11							X
MC - SV - 7 _15	↓	11:04	↓	1	12							X
TB-20201130		—	Water	3	13		X					
EB-20201130	↓	13:55	Water	3	14		X					

570-44901 Chain of Custody

Relinquished by		Company	Received by		Company
Printed Name: Scott Ruud	Date: 11/30/20	Avocet Environmental, Inc.	Printed Name: DAWNY GE	Date: 11/30/20	GE
Signature:	Time: 1518		Signature: Dawny Ge	Time: 1518	
Printed Name:	Date:		Printed Name:	Date:	
Signature:	Time:		Signature:	Time:	
Printed Name:	Date:		Printed Name:	Date:	
Signature:	Time:		Signature:	Time:	

Sample Receipt		Billing Information	Special Instructions
Total Containers	TAT	Bill To: Philip Miller, P.E. AVOCET ENVIRONMENTAL, INC. 1 Technology Dive, Suite C515 Irvine, CA 92618-5302	*Please bill to Avocet. If any questions, please call Scott Ruud at (949) 296-0977 x115.*
Temperature °C / °F	Lab No.		
COC Seal (Y/N/NA)	Intact (Y/N)		

P:\1431 RESD-Fairview DC Costa Mesa\005_Facility Phase II\Field Prep\Chain of Custody_Master

4.5/3.7 SCB

12/4/2020

44901

AVOCET ENVIRONMENTAL, INC.
1 Technology Drive, Suite C515
Irvine, California 92618-5302
TEL (949) 296-0977
FAX (949) 296-0978

Sheet 2 of 3

CHAIN OF CUSTODY RECORD

Project Information:	Event Name:
Site Name	Fairview Developmental Center
Site Location	Costa Mesa, Ca
Project No.	1431.005
Project Manager	Deke Siren
Sampled By	SRR /ES
Turnaround Time	Standard

ECI Project # 57006451

Sample Identification	Sample Date	Sample Time	Matrix	No. of Cntnrs.	Lab I.D. Number	Analyses: TPH (C6-44) by EPA 8015B	VOCs by EPA 8260B/5035	SVOCs by EPA 8270 SIM	PCBs by EPA 8082	Title 22 Metals by EPA 6010B7471A	CrVI by EPA 7199	HOLD
MC - SV - 10 _2	11/30/20	12:10	Soil	4	15	X	X	X	X	X		
MC - SV - 10 _5	↓	12:16	↓	4	16	X	X	X	X	X		
MC - SV - 10 _10		12:27		1	17							X
MC - SV - 10 _15	↓	12:39	↓	1	18							X
MC - SV - _2												
MC - SV - _5												
MC - SV - _10												
MC - SV - _15												
MC - SV - _2												
MC - SV - _5												
MC - SV - _10												
MC - SV - _15												

Relinquished by	Company	Received by	Company
Printed Name: Scott Ruud Date: 11/30/20	Avocet Environmental, Inc.	Printed Name: DANNY LE Date: 11/30/20	EC
Signature: Time: 1518		Signature: Time: 1518	
Printed Name: Date:		Printed Name: Date:	
Signature: Time:		Signature: Time:	
Printed Name: Date:		Printed Name: Date:	
Signature: Time:		Signature: Time:	

Sample Receipt		Billing Information	Special Instructions
Total Containers	TAT	Bill To: Philip Miller, P.E. AVOCET ENVIRONMENTAL, INC. 1 Technology Dive, Suite C515 Irvine, CA 92618-5302	*Please bill to Avocet. If any questions, please call Scott Ruud at (949) 296-0977 x115.*
Temperature °C / °F	Lab No.		
COC Seal (Y/N/NA)	Intact (Y/N)		

P:\1431 RESD-Fairview DC Costa Mesa\005, Facility Phase II\Field Prop\Chain of Custody_Master

AVOCET ENVIRONMENTAL, INC.
1 Technology Drive, Suite C515
Irvine, California 92618-5302
TEL (949) 296-0977
FAX (949) 296-0978

Sheet 3 of 3

CHAIN OF CUSTODY RECORD

Project Information:	Event Name:
Site Name	Fairview Developmental Center
Site Location	Costa Mesa, Ca
Project No.	1431.005
Project Manager	Deke Siren
Sampled By	SRR
Turnaround Time	Standard

ECI Project # 57006451

Sample Identification	Sample Date	Sample Time	Matrix	No. of Cntnrs.	Lab I.D. Number	TPH (C6-44) by EPA 8015B	VOCs by EPA 8260B/5035	SVOCs by EPA 8270 SIM	PCBs by EPA 8082	Title 22 Metals by EPA 6010B7471A	CrVI by EPA 7199	HOLD
MPO - SV - 12 _2	11/30/20	13:06	Soil	4	19	X	X	X	X	X		
MPO - SV - 12 _5	↓	13:12	↓	4	20	X	X					
MPO - SV - 12 _10		13:22		1	21							X
MPO - SV - 12 _15		13:47		1	22							X
~~MPO - SV - _2~~												
~~MPO - SV - _5~~												
~~MPO - SV - _10~~												
~~MPO - SV - _15~~												
~~MPO - SV - _2~~												
~~MPO - SV - _5~~												
~~MPO - SV - _10~~												
~~MPO - SV - _15~~												

Relinquished by	Company	Received by	Company
Printed Name: Scott Ruud Date: 11/30/20	Avocet Environmental, Inc.	Printed Name: DANNY LE Date: 11/30/20	
Signature: Time: 1518		Signature: Time: 1518	
Printed Name: Date:		Printed Name: Date:	
Signature: Time:		Signature: Time:	
Printed Name: Date:		Printed Name: Date:	
Signature: Time:		Signature: Time:	

Sample Receipt		Billing Information	Special Instructions
Total Containers	TAT	Bill To: Philip Miller, P.E. AVOCET ENVIRONMENTAL, INC. 1 Technology Dive, Suite C515 Irvine, CA 92618-5302	*Please bill to Avocet. If any questions, please call Scott Ruud at (949) 296-0977 x115.*
Temperature °C / °F	Lab No.		
COC Seal (Y/N/NA)	Intact (Y/N)		

Login Sample Receipt Checklist

Client: Avocet Environmental Inc

Job Number: 570-44901-1

Login Number: 44901

List Source: Eurofins Calscience

List Number: 1

Creator: Patel, Jayesh

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

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-55722-2
Client Project/Site: Fairview Development Center / 1431.005
Revision: 1

For:
Avocet Environmental Inc
1 Technology Drive
Suite C515
Irvine, California 92618

Attn: Deke Siren

Virendra R Patel

Authorized for release by:
4/13/2021 1:09:10 PM

Virendra Patel, Project Manager I
(714)895-5494
Virendra.Patel@eurofinset.com

LINKS

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Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Avocet Environmental Inc
Job ID: 570-55722-2
Project/Site: Fairview Development Center / 1431.005

Glossary

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

Detection Summary

Client: Avocet Environmental Inc
Job ID: 570-55722-2
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: TVB-5_0.5
Lab Sample ID: 570-55722-9

No Detections.

Client Sample ID: TVB-6_0.5
Lab Sample ID: 570-55722-12

No Detections.

Client Sample ID: TVB-4_0.5
Lab Sample ID: 570-55722-15

No Detections.

Client Sample ID: TVB-9_0.5
Lab Sample ID: 570-55722-18

No Detections.

This Detection Summary does not include radiochemical test results.

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

Client Sample ID: TVB-5_0.5
Date Collected: 04/06/21 11:10
Date Received: 04/06/21 15:20
Lab Sample ID: 570-55722-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		04/08/21 09:38	04/10/21 06:28	1
Aroclor-1221	ND		50		ug/Kg		04/08/21 09:38	04/10/21 06:28	1
Aroclor-1232	ND		50		ug/Kg		04/08/21 09:38	04/10/21 06:28	1
Aroclor-1242	ND		50		ug/Kg		04/08/21 09:38	04/10/21 06:28	1
Aroclor-1248	ND		50		ug/Kg		04/08/21 09:38	04/10/21 06:28	1
Aroclor-1254	ND		50		ug/Kg		04/08/21 09:38	04/10/21 06:28	1
Aroclor-1260	ND		50		ug/Kg		04/08/21 09:38	04/10/21 06:28	1
Aroclor-1262	ND		50		ug/Kg		04/08/21 09:38	04/10/21 06:28	1
Aroclor-1268	ND		50		ug/Kg		04/08/21 09:38	04/10/21 06:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*93*		*20 - 155*	*04/08/21 09:38*	*04/10/21 06:28*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*25 - 126*	*04/08/21 09:38*	*04/10/21 06:28*	*1*

Client Sample ID: TVB-6_0.5
Date Collected: 04/06/21 12:35
Date Received: 04/06/21 15:20
Lab Sample ID: 570-55722-12
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		04/08/21 09:38	04/10/21 06:46	1
Aroclor-1221	ND		50		ug/Kg		04/08/21 09:38	04/10/21 06:46	1
Aroclor-1232	ND		50		ug/Kg		04/08/21 09:38	04/10/21 06:46	1
Aroclor-1242	ND		50		ug/Kg		04/08/21 09:38	04/10/21 06:46	1
Aroclor-1248	ND		50		ug/Kg		04/08/21 09:38	04/10/21 06:46	1
Aroclor-1254	ND		50		ug/Kg		04/08/21 09:38	04/10/21 06:46	1
Aroclor-1260	ND		50		ug/Kg		04/08/21 09:38	04/10/21 06:46	1
Aroclor-1262	ND		50		ug/Kg		04/08/21 09:38	04/10/21 06:46	1
Aroclor-1268	ND		50		ug/Kg		04/08/21 09:38	04/10/21 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*102*		*20 - 155*	*04/08/21 09:38*	*04/10/21 06:46*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*25 - 126*	*04/08/21 09:38*	*04/10/21 06:46*	*1*

Client Sample ID: TVB-4_0.5
Date Collected: 04/06/21 13:30
Date Received: 04/06/21 15:20
Lab Sample ID: 570-55722-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		04/08/21 09:38	04/10/21 07:04	1
Aroclor-1221	ND		50		ug/Kg		04/08/21 09:38	04/10/21 07:04	1
Aroclor-1232	ND		50		ug/Kg		04/08/21 09:38	04/10/21 07:04	1
Aroclor-1242	ND		50		ug/Kg		04/08/21 09:38	04/10/21 07:04	1
Aroclor-1248	ND		50		ug/Kg		04/08/21 09:38	04/10/21 07:04	1
Aroclor-1254	ND		50		ug/Kg		04/08/21 09:38	04/10/21 07:04	1
Aroclor-1260	ND		50		ug/Kg		04/08/21 09:38	04/10/21 07:04	1
Aroclor-1262	ND		50		ug/Kg		04/08/21 09:38	04/10/21 07:04	1
Aroclor-1268	ND		50		ug/Kg		04/08/21 09:38	04/10/21 07:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*104*		*20 - 155*	*04/08/21 09:38*	*04/10/21 07:04*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*25 - 126*	*04/08/21 09:38*	*04/10/21 07:04*	*1*

Client: Avocet Environmental Inc
Job ID: 570-55722-2
Project/Site: Fairview Development Center / 1431.005

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

Client Sample ID: TVB-9_0.5
Date Collected: 04/06/21 14:07
Date Received: 04/06/21 15:20

Lab Sample ID: 570-55722-18
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		04/08/21 09:38	04/10/21 07:22	1
Aroclor-1221	ND		50		ug/Kg		04/08/21 09:38	04/10/21 07:22	1
Aroclor-1232	ND		50		ug/Kg		04/08/21 09:38	04/10/21 07:22	1
Aroclor-1242	ND		50		ug/Kg		04/08/21 09:38	04/10/21 07:22	1
Aroclor-1248	ND		50		ug/Kg		04/08/21 09:38	04/10/21 07:22	1
Aroclor-1254	ND		50		ug/Kg		04/08/21 09:38	04/10/21 07:22	1
Aroclor-1260	ND		50		ug/Kg		04/08/21 09:38	04/10/21 07:22	1
Aroclor-1262	ND		50		ug/Kg		04/08/21 09:38	04/10/21 07:22	1
Aroclor-1268	ND		50		ug/Kg		04/08/21 09:38	04/10/21 07:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*101*		*20 - 155*	*04/08/21 09:38*	*04/10/21 07:22*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*25 - 126*	*04/08/21 09:38*	*04/10/21 07:22*	*1*

Surrogate Summary

Client: Avocet Environmental Inc
Job ID: 570-55722-2
Project/Site: Fairview Development Center / 1431.005

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

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	DCB1 (20-155)	TCX1 (25-126)								
570-55722-9	TVB-5_0.5	93	90								
570-55722-12	TVB-6_0.5	102	99								
570-55722-15	TVB-4_0.5	104	101								
570-55722-18	TVB-9_0.5	101	96								

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

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

Lab Sample ID: MB 570-141408/8
Matrix: Water
Analysis Batch: 141408

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			04/06/21 20:48	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/06/21 20:48	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			04/06/21 20:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			04/06/21 20:48	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/06/21 20:48	1
1,1-Dichloroethane	ND		1.0		ug/L			04/06/21 20:48	1
1,1-Dichloroethene	ND		1.0		ug/L			04/06/21 20:48	1
1,1-Dichloropropene	ND		1.0		ug/L			04/06/21 20:48	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/06/21 20:48	1
1,2,3-Trichloropropane	ND		5.0		ug/L			04/06/21 20:48	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/06/21 20:48	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/06/21 20:48	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			04/06/21 20:48	1
1,2-Dibromoethane	ND		1.0		ug/L			04/06/21 20:48	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/06/21 20:48	1
1,2-Dichloroethane	ND		0.50		ug/L			04/06/21 20:48	1
1,2-Dichloropropane	ND		1.0		ug/L			04/06/21 20:48	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/06/21 20:48	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/06/21 20:48	1
1,3-Dichloropropane	ND		1.0		ug/L			04/06/21 20:48	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/06/21 20:48	1
2,2-Dichloropropane	ND		1.0		ug/L			04/06/21 20:48	1
2-Butanone	ND		20		ug/L			04/06/21 20:48	1
2-Chlorotoluene	ND		1.0		ug/L			04/06/21 20:48	1
2-Hexanone	ND		10		ug/L			04/06/21 20:48	1
4-Chlorotoluene	ND		1.0		ug/L			04/06/21 20:48	1
4-Methyl-2-pentanone	ND		10		ug/L			04/06/21 20:48	1
Acetone	ND		20		ug/L			04/06/21 20:48	1
Benzene	ND		0.50		ug/L			04/06/21 20:48	1
Bromobenzene	ND		1.0		ug/L			04/06/21 20:48	1
Bromochloromethane	ND		2.0		ug/L			04/06/21 20:48	1
Bromodichloromethane	ND		1.0		ug/L			04/06/21 20:48	1
Bromoform	ND		5.0		ug/L			04/06/21 20:48	1
Bromomethane	ND		25		ug/L			04/06/21 20:48	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/06/21 20:48	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			04/06/21 20:48	1
Carbon disulfide	ND		10		ug/L			04/06/21 20:48	1
Carbon tetrachloride	ND		0.50		ug/L			04/06/21 20:48	1
Chlorobenzene	ND		1.0		ug/L			04/06/21 20:48	1
Chloroethane	ND		5.0		ug/L			04/06/21 20:48	1
Chloroform	ND		1.0		ug/L			04/06/21 20:48	1
Chloromethane	ND		10		ug/L			04/06/21 20:48	1
Dibromochloromethane	ND		2.0		ug/L			04/06/21 20:48	1
Dibromomethane	ND		1.0		ug/L			04/06/21 20:48	1
Dichlorodifluoromethane	ND		5.0		ug/L			04/06/21 20:48	1
Di-isopropyl ether (DIPE)	ND		2.0		ug/L			04/06/21 20:48	1
Ethanol	ND		100		ug/L			04/06/21 20:48	1
Ethylbenzene	ND		1.0		ug/L			04/06/21 20:48	1

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

Lab Sample ID: MB 570-141408/8
Matrix: Water
Analysis Batch: 141408

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			04/06/21 20:48	1
Isopropylbenzene	ND		1.0		ug/L			04/06/21 20:48	1
Methylene Chloride	ND		10		ug/L			04/06/21 20:48	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			04/06/21 20:48	1
Naphthalene	ND		10		ug/L			04/06/21 20:48	1
n-Butylbenzene	ND		1.0		ug/L			04/06/21 20:48	1
N-Propylbenzene	ND		1.0		ug/L			04/06/21 20:48	1
o-Xylene	ND		1.0		ug/L			04/06/21 20:48	1
m,p-Xylene	ND		2.0		ug/L			04/06/21 20:48	1
p-Isopropyltoluene	ND		1.0		ug/L			04/06/21 20:48	1
sec-Butylbenzene	ND		1.0		ug/L			04/06/21 20:48	1
Styrene	ND		1.0		ug/L			04/06/21 20:48	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/06/21 20:48	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			04/06/21 20:48	1
Tert-amyl-methyl ether (TAME)	ND		2.0		ug/L			04/06/21 20:48	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			04/06/21 20:48	1
tert-Butylbenzene	ND		1.0		ug/L			04/06/21 20:48	1
Tetrachloroethene	ND		1.0		ug/L			04/06/21 20:48	1
Toluene	ND		1.0		ug/L			04/06/21 20:48	1
Trichloroethene	ND		1.0		ug/L			04/06/21 20:48	1
Trichlorofluoromethane	ND		10		ug/L			04/06/21 20:48	1
Vinyl acetate	ND		10		ug/L			04/06/21 20:48	1
Vinyl chloride	ND		0.50		ug/L			04/06/21 20:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 123*		*04/06/21 20:48*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*04/06/21 20:48*	*1*
Dibromofluoromethane (Surr)	*103*		*78 - 120*		*04/06/21 20:48*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/06/21 20:48*	*1*

Lab Sample ID: LCS 570-141408/3
Matrix: Water
Analysis Batch: 141408

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	46.93		ug/L		94	64 - 121
1,2-Dibromoethane	50.0	57.20		ug/L		114	80 - 120
1,2-Dichlorobenzene	50.0	53.55		ug/L		107	80 - 120
1,2-Dichloroethane	50.0	55.98		ug/L		112	76 - 120
Benzene	50.0	47.44		ug/L		95	76 - 120
Carbon tetrachloride	50.0	52.52		ug/L		105	80 - 127
Chlorobenzene	50.0	56.43		ug/L		113	80 - 120
Di-isopropyl ether (DIPE)	50.0	43.93		ug/L		88	62 - 125
Ethanol	500	488.5		ug/L		98	50 - 120
Ethylbenzene	50.0	54.03		ug/L		108	80 - 120
Ethyl-t-butyl ether (ETBE)	50.0	40.84		ug/L		82	55 - 132
Methyl-t-Butyl Ether (MTBE)	50.0	44.18		ug/L		88	64 - 120
o-Xylene	50.0	55.29		ug/L		111	80 - 121

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

Lab Sample ID: LCS 570-141408/3
Matrix: Water
Analysis Batch: 141408

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
m,p-Xylene			100	111.2		ug/L		111	74 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 123*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*78 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 570-141408/4
Matrix: Water
Analysis Batch: 141408

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			50.0	45.40		ug/L		91	64 - 121	3	20
1,2-Dibromoethane			50.0	57.65		ug/L		115	80 - 120	1	20
1,2-Dichlorobenzene			50.0	52.00		ug/L		104	80 - 120	3	20
1,2-Dichloroethane			50.0	55.60		ug/L		111	76 - 120	1	20
Benzene			50.0	45.13		ug/L		90	76 - 120	5	20
Carbon tetrachloride			50.0	50.04		ug/L		100	80 - 127	5	20
Chlorobenzene			50.0	53.96		ug/L		108	80 - 120	4	20
Di-isopropyl ether (DIPE)			50.0	43.60		ug/L		87	62 - 125	1	20
Ethanol			500	436.0		ug/L		87	50 - 120	11	25
Ethylbenzene			50.0	52.17		ug/L		104	80 - 120	4	20
Ethyl-t-butyl ether (ETBE)			50.0	41.81		ug/L		84	55 - 132	2	20
Methyl-t-Butyl Ether (MTBE)			50.0	46.19		ug/L		92	64 - 120	4	20
o-Xylene			50.0	53.70		ug/L		107	80 - 121	3	20
m,p-Xylene			100	107.2		ug/L		107	74 - 122	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 123*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*78 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 570-55377-G-2 MS
Matrix: Water
Analysis Batch: 141408

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethene	ND		50.0	52.12		ug/L		104	57 - 135		
1,2-Dibromoethane	ND		50.0	60.18		ug/L		120	75 - 125		
1,2-Dichlorobenzene	ND		50.0	50.06		ug/L		100	75 - 125		
1,2-Dichloroethane	ND		50.0	60.00		ug/L		120	75 - 127		
Benzene	ND		50.0	50.39		ug/L		101	75 - 125		
Carbon tetrachloride	ND		50.0	53.57		ug/L		107	68 - 137		
Chlorobenzene	ND		50.0	58.82		ug/L		118	75 - 125		
Di-isopropyl ether (DIPE)	ND		50.0	47.88		ug/L		96	71 - 129		
Ethanol	ND		500	494.5		ug/L		99	21 - 180		

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

Lab Sample ID: 570-55377-G-2 MS
Matrix: Water
Analysis Batch: 141408

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	ND		50.0	56.02		ug/L		112	75 - 127
Ethyl-t-butyl ether (ETBE)	ND		50.0	46.13		ug/L		92	67 - 125
Methyl-t-Butyl Ether (MTBE)	ND		50.0	49.58		ug/L		99	65 - 125
o-Xylene	ND		50.0	55.92		ug/L		112	75 - 128
m,p-Xylene	ND		100	113.2		ug/L		113	75 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 123*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*78 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 570-55377-H-2 MSD
Matrix: Water
Analysis Batch: 141408

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		50.0	50.02		ug/L		100	57 - 135	4	20
1,2-Dibromoethane	ND		50.0	59.13		ug/L		118	75 - 125	2	20
1,2-Dichlorobenzene	ND		50.0	52.19		ug/L		104	75 - 125	4	20
1,2-Dichloroethane	ND		50.0	59.05		ug/L		118	75 - 127	2	20
Benzene	ND		50.0	49.51		ug/L		99	75 - 125	2	20
Carbon tetrachloride	ND		50.0	52.65		ug/L		105	68 - 137	2	20
Chlorobenzene	ND		50.0	59.15		ug/L		118	75 - 125	1	20
Di-isopropyl ether (DIPE)	ND		50.0	46.76		ug/L		94	71 - 129	2	20
Ethanol	ND		500	575.1		ug/L		115	21 - 180	15	40
Ethylbenzene	ND		50.0	56.76		ug/L		114	75 - 127	1	20
Ethyl-t-butyl ether (ETBE)	ND		50.0	44.67		ug/L		89	67 - 125	3	20
Methyl-t-Butyl Ether (MTBE)	ND		50.0	47.74		ug/L		95	65 - 125	4	20
o-Xylene	ND		50.0	56.66		ug/L		113	75 - 128	1	20
m,p-Xylene	ND		100	115.7		ug/L		116	75 - 128	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 123*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*78 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: MB 570-141818/1-A
Matrix: Solid
Analysis Batch: 142105

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141818

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		04/08/21 09:38	04/10/21 02:17	1
Aroclor-1221	ND		50		ug/Kg		04/08/21 09:38	04/10/21 02:17	1
Aroclor-1232	ND		50		ug/Kg		04/08/21 09:38	04/10/21 02:17	1

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

Lab Sample ID: MB 570-141818/1-A
Matrix: Solid
Analysis Batch: 142105

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141818

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1242	ND		50		ug/Kg		04/08/21 09:38	04/10/21 02:17	1
Aroclor-1248	ND		50		ug/Kg		04/08/21 09:38	04/10/21 02:17	1
Aroclor-1254	ND		50		ug/Kg		04/08/21 09:38	04/10/21 02:17	1
Aroclor-1260	ND		50		ug/Kg		04/08/21 09:38	04/10/21 02:17	1
Aroclor-1262	ND		50		ug/Kg		04/08/21 09:38	04/10/21 02:17	1
Aroclor-1268	ND		50		ug/Kg		04/08/21 09:38	04/10/21 02:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*108*		*20 - 155*	*04/08/21 09:38*	*04/10/21 02:17*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*25 - 126*	*04/08/21 09:38*	*04/10/21 02:17*	*1*

Lab Sample ID: LCS 570-141818/4-A
Matrix: Solid
Analysis Batch: 142105

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141818

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			100	98.64		ug/Kg		99	50 - 142		
Aroclor-1260			100	97.06		ug/Kg		97	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*103*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*98*		*25 - 126*

Lab Sample ID: LCSD 570-141818/5-A
Matrix: Solid
Analysis Batch: 142105

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141818

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016			100	91.03		ug/Kg		91	50 - 142	8	30
Aroclor-1260			100	98.68		ug/Kg		99	50 - 150	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*105*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*88*		*25 - 126*

Lab Sample ID: 570-55746-A-1-D MS
Matrix: Solid
Analysis Batch: 142105

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 141818

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016	ND		99.4	96.79		ug/Kg		97	20 - 175		
Aroclor-1260	ND		99.4	126.8		ug/Kg		102	20 - 180		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*88*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*80*		*25 - 126*

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

Lab Sample ID: 570-55746-A-1-E MSD
Matrix: Solid
Analysis Batch: 142105

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 141818

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		99.3	98.20		ug/Kg		99	20 - 175	1	40
Aroclor-1260	ND		99.3	101.7		ug/Kg		77	20 - 180	22	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*87*		*20 - 155*
Tetrachloro-m-xylene (Surr)	*80*		*25 - 126*

GC Semi VOA

Prep Batch: 141818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-55722-9	TVB-5_0.5	Total/NA	Solid	3546	
570-55722-12	TVB-6_0.5	Total/NA	Solid	3546	
570-55722-15	TVB-4_0.5	Total/NA	Solid	3546	
570-55722-18	TVB-9_0.5	Total/NA	Solid	3546	

Analysis Batch: 142105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-55722-9	TVB-5_0.5	Total/NA	Solid	8082	141818
570-55722-12	TVB-6_0.5	Total/NA	Solid	8082	141818
570-55722-15	TVB-4_0.5	Total/NA	Solid	8082	141818
570-55722-18	TVB-9_0.5	Total/NA	Solid	8082	141818

Lab Chronicle

Client: Avocet Environmental Inc
Job ID: 570-55722-2
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: TVB-5_0.5
Lab Sample ID: 570-55722-9
Date Collected: 04/06/21 11:10
Matrix: Solid
Date Received: 04/06/21 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.15 g	10 mL	141818	04/08/21 09:38	F7UI	ECL 1
Total/NA	Analysis	8082		1			142105	04/10/21 06:28	UJ3K	ECL 1
	Instrument ID: GC58									

Client Sample ID: TVB-6_0.5
Lab Sample ID: 570-55722-12
Date Collected: 04/06/21 12:35
Matrix: Solid
Date Received: 04/06/21 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.12 g	10 mL	141818	04/08/21 09:38	F7UI	ECL 1
Total/NA	Analysis	8082		1			142105	04/10/21 06:46	UJ3K	ECL 1
	Instrument ID: GC58									

Client Sample ID: TVB-4_0.5
Lab Sample ID: 570-55722-15
Date Collected: 04/06/21 13:30
Matrix: Solid
Date Received: 04/06/21 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.16 g	10 mL	141818	04/08/21 09:38	F7UI	ECL 1
Total/NA	Analysis	8082		1			142105	04/10/21 07:04	UJ3K	ECL 1
	Instrument ID: GC58									

Client Sample ID: TVB-9_0.5
Lab Sample ID: 570-55722-18
Date Collected: 04/06/21 14:07
Matrix: Solid
Date Received: 04/06/21 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.13 g	10 mL	141818	04/08/21 09:38	F7UI	ECL 1
Total/NA	Analysis	8082		1			142105	04/10/21 07:22	UJ3K	ECL 1
	Instrument ID: GC58									

Laboratory References:
ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Avocet Environmental Inc
Job ID: 570-55722-2
Project/Site: Fairview Development Center / 1431.005

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-0161	11-19-21
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	SCAQMD LAP	17LA0919	11-30-21
California	State	2944	09-30-21
Guam	State	20-003R	10-31-20 *
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-30-22
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Avocet Environmental Inc
Job ID: 570-55722-2
Project/Site: Fairview Development Center / 1431.005

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
3546	Microwave Extraction	SW846	ECL 1

Protocol References:

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

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Avocet Environmental Inc
Job ID: 570-55722-2
Project/Site: Fairview Development Center / 1431.005

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-55722-9	TVB-5_0.5	Solid	04/06/21 11:10	04/06/21 15:20	
570-55722-12	TVB-6_0.5	Solid	04/06/21 12:35	04/06/21 15:20	
570-55722-15	TVB-4_0.5	Solid	04/06/21 13:30	04/06/21 15:20	
570-55722-18	TVB-9_0.5	Solid	04/06/21 14:07	04/06/21 15:20	

Patel, Virendra

From: Colton Scott <cscott@avocetenv.com>
Sent: Thursday, April 8, 2021 2:22 PM
To: Patel, Virendra
Subject: Fairview Developmental Center 1431.005 Changes
Attachments: COC 570-55722 (202104061728).pdf; SampleLoginAck_570-55722-1 [Std_Tal_Login_Ack].pdf

EXTERNAL EMAIL*

Virendra,

I recently dropped off samples for our Fairview Developmental Center 1431.005 project (see attached). It has since then come to my attention that the "MPO-SV" samples need to be reported in separate final reports from the "TVB" samples. Also, could we please include the trip blank and equipment blank samples with the MPO samples? Would these changes be possible to make? Sorry for the inconvenience and thank you for your help.

Thanks,

Colton Scott, Staff Geologist

AVOCET ENVIRONMENTAL, INC.

1 Technology Drive, Suite C515
Irvine, California 92618-5302
cscott@avocetenv.com
Office (949)-296-0977 Ext. 137
Mobile (979)-824-5156

* WARNING - EXTERNAL: This email originated from outside of Eurofins Environmental Testing. Do not click any links or open any attachments unless you trust the sender and know that the content is safe!

AVOCET ENVIRONMENTAL, INC

1 Technology Drive, Suite C515
Irvine, California 92618-5302
TEL (949) 296-0977
FAX (949) 296-0978

Sheet 1 of 2

CHAIN OF CUSTODY RECORD

Project Information	Event Name
Site Name	Fairview Developmental Center
Site Location	Costa Mesa, Ca
Project No.	1431.005
Project Manager	Deke Siren
Sampled By	SRR
Turnaround Time	Standard

ECI Project # 57006451

Sample Identification	Sample Date	Sample Time	Matrix	No of Cntnrs	Lab I D Number	TPH (C6-44) by EPA 8015B	VOCs by EPA 8260B/5035	SVOCs by EPA 8270 SIM	PCBs by EPA 8082	Title 22 Metals by EPA 6010B7471A	CrVI by EPA 7199	HOLD
MPO-SV-15_2	4/6/21	08:05	Soil	4	1	X	X	X	X	X	X	
MPO-SV-15_5	4/6/21	08:15	Soil	4	2	X	X	X	X	X	X	
MPO-SV-15_10	4/6/21	08:22	Soil	1	3							X
MPO-SV-15_15	4/6/21	08:45	Soil	1	4							X
MPO-SV-13_2	4/6/21	09:30	Soil	4	5	X	X	X	X	X	X	
MPO-SV-13_5	4/6/21	09:37	Soil	4	6	X	X	X	X	X	X	
MPO-SV-13_10	4/6/21	09:50	Soil	1	7							X
MPO-SV-13_15	4/6/21	10:15	Soil	1	8							X
TVB-5_0.5	4/6/21	11:10	Soil	1	9				X			
TVB-5_2	4/6/21	11:12	Soil	1	10							X
TVB-5_5	4/6/21	11:20	Soil	1	11							X
TVB-6_0.5	4/6/21	12:35	Soil	1	12				X			
TVB-6_2	4/6/21	12:38	Soil	1	13							X
TVB-6_5	4/6/21	12:44	Soil	1	14							X

570-55722 Chain of Custody

Relinquished by	Company	Received by	Company
Printed Name Colton Scott Date 4/6/21	Avocet Environmental, Inc	Printed Name: Neal Crum Date 4/6/21	ECI
Signature Time 15:20		Signature Time: 1520	
Printed Name Date		Printed Name Date	
Signature Time		Signature Time	
Printed Name Date		Printed Name Date	
Signature Time		Signature Time	

Sample Receipt		Billing Information	Special Instructions
Total Containers	TAT	Bill To: Philip Miller P E AVOCET ENVIRONMENTAL INC 1 Technology Dive Suite C515 Irvine CA 92618-5302	Please bill to Avocet. If any questions, please call Scott Ruud at (949) 296-0977 x115. 51/5.5 SCS
Temperature °C °F	Lab No		
COC Seal (Y/N/NA)	Intact (Y/N)		

AVOCET ENVIRONMENTAL, INC

1 Technology Drive, Suite C515
Irvine, California 92618-5302
TEL (949) 296-0977
FAX (949) 296-0978

CHAIN OF CUSTODY RECORD

Project Information.	Event Name
Site Name	Fairview Developmental Center
Site Location	Costa Mesa, Ca
Project No.	1431.005
Project Manager	Deke Siren
Sampled By	SRR
Turnaround Time	Standard

ECI Project # 57006451

Sample Identification	Sample Date	Sample Time	Matrix	No of Cntnrs	Lab I D Number	Analyses: TPH (C6-44) by EPA 8015B	VOCs by EPA 8260B/5035	SVOCs by EPA 8270 SIM	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	CrVI by EPA 7199	HOLD
TVB-4_0.5	4/6/21	13:30	Soil	1	15				X			
TVB-4_2	4/6/21	13:33	Soil	1	16							X
TVB-4_5	4/6/21	13:38	Soil	1	17							X
TVB-9_0.5	4/6/21	14:07	Soil	1	18				X			
TVB-9_2	4/6/21	14:09	Soil	1	19							X
TVB-9_5	4/6/21	14:14	Soil	1	20							X
TB_20210406	4/6/21	—	H_2O	3	21		X					
EB_20210406	4/6/21	14:30	H_2O	3	22		X					

Relinquished by		Company	Received by		Company
Printed Name: Colton Scott	Date: 4/6/21	Avocet Environmental, Inc	Printed Name: Noel Cruise	Date: 4/6/21	ECI
Signature:	Time: 15:20		Signature	Time: 1520	
Printed Name	Date:		Printed Name:	Date	
Signature	Time:		Signature	Time:	
Printed Name.	Date		Printed Name:	Date	
Signature:	Time		Signature	Time:	

Sample Receipt		Billing Information	Special Instructions
Total Containers	TAT	Bill To: Philip Miller P E AVOCET ENVIRONMENTAL, INC 1 Technology Dive Suite C515 Irvine CA 92618-5302	*Please bill to Avocet If any questions, please call Scott Ruud at (949) 296-0977 x115.*
Temperature °C / °F	Lab No		
COC Seal (Y/N/NA)	Intact (Y/N)		

Login Sample Receipt Checklist

Client: Avocet Environmental Inc

Job Number: 570-55722-2

Login Number: 55722
List Number: 1
Creator: Le, Danny

List Source: Eurofins Calscience

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

Appendix C

Eurofins Laboratory Reports, Soil Vapor

AVOCET
ENVIRONMENTAL, INC.

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-56905-1
Client Project/Site: Fairview Development Center / 1431.005

For:
Avocet Environmental Inc
1 Technology Drive
Suite C515
Irvine, California 92618

Attn: Deke Siren

Virendra R Patel

Authorized for release by:
4/26/2021 12:09:49 PM

Virendra Patel, Project Manager I
(714)895-5494
Virendra.Patel@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Glossary

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

Job ID: 570-56905-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-56905-1

Comments
No additional comments.

Receipt
The samples were received on 4/19/2021 4:34 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 22.0º C.

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

Detection Summary

Client: Avocet Environmental Inc
Job ID: 570-56905-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: MC-SV-1_5
Lab Sample ID: 570-56905-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.9		5.0		ug/m3	1.044		TO-15	Total/NA
Isopropanol	14		13		ug/m3	1.044		TO-15	Total/NA
Toluene	4.0		2.0		ug/m3	1.044		TO-15	Total/NA
Ethanol	24		9.8		ug/m3	1.044		TO-15	Total/NA
Trichlorofluoromethane	26		5.9		ug/m3	1.044		TO-15	Total/NA

Client Sample ID: MC-SV-1_15
Lab Sample ID: 570-56905-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14		7.6		ug/m3	1.6		TO-15	Total/NA
Tetrachloroethene	13		5.4		ug/m3	1.6		TO-15	Total/NA
Toluene	4.7		3.0		ug/m3	1.6		TO-15	Total/NA
Ethanol	31		15		ug/m3	1.6		TO-15	Total/NA
Trichlorofluoromethane	150		9.0		ug/m3	1.6		TO-15	Total/NA

Client Sample ID: MC-SV-3_5
Lab Sample ID: 570-56905-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12		5.7		ug/m3	1.208		TO-15	Total/NA
Isopropanol	15		15		ug/m3	1.208		TO-15	Total/NA
Toluene	2.7		2.3		ug/m3	1.208		TO-15	Total/NA
Ethanol	23		11		ug/m3	1.208		TO-15	Total/NA
Trichlorofluoromethane	8.0		6.8		ug/m3	1.208		TO-15	Total/NA

Client Sample ID: MC-SV-3_15
Lab Sample ID: 570-56905-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.9		5.5		ug/m3	1.149		TO-15	Total/NA
Dichlorodifluoromethane	2.9		2.8		ug/m3	1.149		TO-15	Total/NA
Isopropanol	19		14		ug/m3	1.149		TO-15	Total/NA
Tetrachloroethene	42		3.9		ug/m3	1.149		TO-15	Total/NA
Toluene	4.2		2.2		ug/m3	1.149		TO-15	Total/NA
Ethanol	24		11		ug/m3	1.149		TO-15	Total/NA
Trichlorofluoromethane	110		6.5		ug/m3	1.149		TO-15	Total/NA

Client Sample ID: MC-SV-4_5
Lab Sample ID: 570-56905-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15		8.9		ug/m3	1.88		TO-15	Total/NA
Chloroform	7.2		4.6		ug/m3	1.88		TO-15	Total/NA
Isopropanol	23		23		ug/m3	1.88		TO-15	Total/NA
Ethanol	36		18		ug/m3	1.88		TO-15	Total/NA
Trichlorofluoromethane	64		11		ug/m3	1.88		TO-15	Total/NA

Client Sample ID: MC-SV-4_15
Lab Sample ID: 570-56905-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	18		5.4		ug/m3	1.14		TO-15	Total/NA
Chloroform	2.8		2.8		ug/m3	1.14		TO-15	Total/NA
Isopropanol	15		14		ug/m3	1.14		TO-15	Total/NA
Tetrachloroethene	25		3.9		ug/m3	1.14		TO-15	Total/NA
Ethanol	16		11		ug/m3	1.14		TO-15	Total/NA
Trichlorofluoromethane	200		6.4		ug/m3	1.14		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Avocet Environmental Inc
Job ID: 570-56905-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: MC-SV-6_5 — Lab Sample ID: 570-56905-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone - RA	7.9		6.8		ug/m3	1.54		TO-15	Total/NA
Acetone - RA	20		7.3		ug/m3	1.54		TO-15	Total/NA
Isopropanol - RA	24		19		ug/m3	1.54		TO-15	Total/NA
Tetrachloroethene - RA	5.8		5.2		ug/m3	1.54		TO-15	Total/NA
Ethanol - RA	35		15		ug/m3	1.54		TO-15	Total/NA
Trichlorofluoromethane - RA	43		8.7		ug/m3	1.54		TO-15	Total/NA

Client Sample ID: MC-SV-6_15 — Lab Sample ID: 570-56905-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	7.6		7.5		ug/m3	1.013		TO-15	Total/NA
2-Butanone	11		4.5		ug/m3	1.013		TO-15	Total/NA
Acetone	35		4.8		ug/m3	1.013		TO-15	Total/NA
Dichlorodifluoromethane	3.1		2.5		ug/m3	1.013		TO-15	Total/NA
Ethylbenzene	4.3		2.2		ug/m3	1.013		TO-15	Total/NA
Isopropanol	46		12		ug/m3	1.013		TO-15	Total/NA
o-Xylene	7.6		2.2		ug/m3	1.013		TO-15	Total/NA
m,p-Xylene	18		8.8		ug/m3	1.013		TO-15	Total/NA
Tetrachloroethene	3.7		3.4		ug/m3	1.013		TO-15	Total/NA
Toluene	17		1.9		ug/m3	1.013		TO-15	Total/NA
Ethanol	34		9.5		ug/m3	1.013		TO-15	Total/NA
Trichlorofluoromethane	67		5.7		ug/m3	1.013		TO-15	Total/NA

Client Sample ID: MC-SV-7_5 — Lab Sample ID: 570-56905-9

No Detections.

Client Sample ID: MC-SV-7_15 — Lab Sample ID: 570-56905-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	14		5.7		ug/m3	1.28		TO-15	Total/NA
Acetone	35		6.1		ug/m3	1.28		TO-15	Total/NA
Isopropanol	20		16		ug/m3	1.28		TO-15	Total/NA
Tetrachloroethene	4.6		4.3		ug/m3	1.28		TO-15	Total/NA
Ethanol	26		12		ug/m3	1.28		TO-15	Total/NA
Trichlorofluoromethane	480		7.2		ug/m3	1.28		TO-15	Total/NA

Client Sample ID: MC-SV-8_5 — Lab Sample ID: 570-56905-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	29		9.4		ug/m3	1.98		TO-15	Total/NA
Chloroform	15		4.8		ug/m3	1.98		TO-15	Total/NA
Isopropanol	53		24		ug/m3	1.98		TO-15	Total/NA
Ethanol	470		19		ug/m3	1.98		TO-15	Total/NA
Trichlorofluoromethane	270		11		ug/m3	1.98		TO-15	Total/NA

Client Sample ID: MC-SV-8_15 — Lab Sample ID: 570-56905-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone - RA	26		12		ug/m3	2.55		TO-15	Total/NA
Tetrachloroethene - RA	15		8.6		ug/m3	2.55		TO-15	Total/NA
Ethanol - RA	48		24		ug/m3	2.55		TO-15	Total/NA
Trichlorofluoromethane - RA	260		14		ug/m3	2.55		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Avocet Environmental Inc
Job ID: 570-56905-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: DUP_MC-SV-4_15
Lab Sample ID: 570-56905-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone - RA	32		9.5		ug/m3	1.99		TO-15	Total/NA
Isopropanol - RA	71		24		ug/m3	1.99		TO-15	Total/NA
o-Xylene - RA	5.3		4.3		ug/m3	1.99		TO-15	Total/NA
Tetrachloroethene - RA	14		6.7		ug/m3	1.99		TO-15	Total/NA
Toluene - RA	8.8		3.7		ug/m3	1.99		TO-15	Total/NA
Ethanol - RA	100		19		ug/m3	1.99		TO-15	Total/NA
Trichlorofluoromethane - RA	190		11		ug/m3	1.99		TO-15	Total/NA
tert-Butyl alcohol (TBA) - RA	14		12		ug/m3	1.99		TO-15	Total/NA

Client Sample ID: MC-SV-9_5
Lab Sample ID: 570-56905-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone - RA	34		9.9		ug/m3	2.08		TO-15	Total/NA
Isopropanol - RA	42		26		ug/m3	2.08		TO-15	Total/NA
Ethanol - RA	27		20		ug/m3	2.08		TO-15	Total/NA

Client Sample ID: MC-SV-9_15
Lab Sample ID: 570-56905-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone - RA	28		9.2		ug/m3	1.94		TO-15	Total/NA
Chloroform - RA	6.7		4.7		ug/m3	1.94		TO-15	Total/NA
Isopropanol - RA	46		24		ug/m3	1.94		TO-15	Total/NA
Ethanol - RA	41		18		ug/m3	1.94		TO-15	Total/NA
Trichlorofluoromethane - RA	54		11		ug/m3	1.94		TO-15	Total/NA

Client Sample ID: MC-SV-10_5
Lab Sample ID: 570-56905-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone - RA	11		5.8		ug/m3	1.31		TO-15	Total/NA
Acetone - RA	26		6.2		ug/m3	1.31		TO-15	Total/NA
Isopropanol - RA	24		16		ug/m3	1.31		TO-15	Total/NA
Tetrachloroethene - RA	410		4.4		ug/m3	1.31		TO-15	Total/NA
Toluene - RA	5.9		2.5		ug/m3	1.31		TO-15	Total/NA
Ethanol - RA	40		12		ug/m3	1.31		TO-15	Total/NA
Trichloroethene - RA	65		3.5		ug/m3	1.31		TO-15	Total/NA

Client Sample ID: MC-SV-10_15
Lab Sample ID: 570-56905-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone - RA	13		9.4		ug/m3	1.98		TO-15	Total/NA
Toluene - RA	5.5		3.7		ug/m3	1.98		TO-15	Total/NA
Ethanol - RA	30		19		ug/m3	1.98		TO-15	Total/NA
Trichlorofluoromethane - RA	18		11		ug/m3	1.98		TO-15	Total/NA

Client Sample ID: MC-SV-11_5
Lab Sample ID: 570-56905-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	7.4		4.8		ug/m3	1.075		TO-15	Total/NA
Acetone	30		5.1		ug/m3	1.075		TO-15	Total/NA
Ethanol	19		10		ug/m3	1.075		TO-15	Total/NA

Client Sample ID: MC-SV-11_15
Lab Sample ID: 570-56905-19

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Detection Summary

Client: Avocet Environmental Inc
Job ID: 570-56905-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: MC-SV-12_5
Lab Sample ID: 570-56905-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone - RA	18		14		ug/m3	2.88		TO-15	Total/NA
Ethanol - RA	34		27		ug/m3	2.88		TO-15	Total/NA

Client Sample ID: MC-SV-12_15
Lab Sample ID: 570-56905-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	4.9		4.9		ug/m3	1.114		TO-15	Total/NA
Acetone	25		5.3		ug/m3	1.114		TO-15	Total/NA
Ethanol	18		10		ug/m3	1.114		TO-15	Total/NA

Client Sample ID: DUP_MC-SV-6_15
Lab Sample ID: 570-56905-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	20		5.8		ug/m3	1.227		TO-15	Total/NA
Isopropanol	31		15		ug/m3	1.227		TO-15	Total/NA
Tetrachloroethene	9.7		4.2		ug/m3	1.227		TO-15	Total/NA
Toluene	4.7		2.3		ug/m3	1.227		TO-15	Total/NA
Ethanol	37		12		ug/m3	1.227		TO-15	Total/NA
Trichlorofluoromethane	73		6.9		ug/m3	1.227		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Client Sample ID: MC-SV-1_5
Lab Sample ID: 570-56905-1
Date Collected: 04/19/21 09:08
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.8		ug/m3			04/20/21 18:50	1.044
1,1,2,2-Tetrachloroethane	ND		7.2		ug/m3			04/20/21 18:50	1.044
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12		ug/m3			04/20/21 18:50	1.044
1,1,2-Trichloroethane	ND		2.8		ug/m3			04/20/21 18:50	1.044
1,1-Dichloroethane	ND		2.1		ug/m3			04/20/21 18:50	1.044
1,1-Dichloroethene	ND		2.1		ug/m3			04/20/21 18:50	1.044
1,1-Difluoroethane	ND		5.6		ug/m3			04/20/21 18:50	1.044
1,2,4-Trichlorobenzene	ND		15		ug/m3			04/20/21 18:50	1.044
1,2,4-Trimethylbenzene	ND		7.7		ug/m3			04/20/21 18:50	1.044
1,2-Dibromo-3-Chloropropane	ND		15		ug/m3			04/20/21 18:50	1.044
1,2-Dibromoethane	ND		4.0		ug/m3			04/20/21 18:50	1.044
1,2-Dichlorobenzene	ND		3.1		ug/m3			04/20/21 18:50	1.044
1,2-Dichloroethane	ND		2.1		ug/m3			04/20/21 18:50	1.044
1,2-Dichloropropane	ND		2.4		ug/m3			04/20/21 18:50	1.044
1,3,5-Trimethylbenzene	ND		2.6		ug/m3			04/20/21 18:50	1.044
1,3-Dichlorobenzene	ND		3.1		ug/m3			04/20/21 18:50	1.044
1,4-Dichlorobenzene	ND		3.1		ug/m3			04/20/21 18:50	1.044
2-Butanone	ND		4.6		ug/m3			04/20/21 18:50	1.044
2-Hexanone	ND		6.4		ug/m3			04/20/21 18:50	1.044
4-Ethyltoluene	ND		2.6		ug/m3			04/20/21 18:50	1.044
4-Methyl-2-pentanone	ND		6.4		ug/m3			04/20/21 18:50	1.044
Acetone	**8.9**		5.0		ug/m3			04/20/21 18:50	1.044
Benzene	ND		1.7		ug/m3			04/20/21 18:50	1.044
Benzyl chloride	ND		8.1		ug/m3			04/20/21 18:50	1.044
Bromodichloromethane	ND		3.5		ug/m3			04/20/21 18:50	1.044
Bromoform	ND		5.4		ug/m3			04/20/21 18:50	1.044
Bromomethane	ND		2.0		ug/m3			04/20/21 18:50	1.044
cis-1,2-Dichloroethene	ND		2.1		ug/m3			04/20/21 18:50	1.044
cis-1,3-Dichloropropene	ND		2.4		ug/m3			04/20/21 18:50	1.044
Carbon disulfide	ND		6.5		ug/m3			04/20/21 18:50	1.044
Carbon tetrachloride	ND		3.3		ug/m3			04/20/21 18:50	1.044
Chlorobenzene	ND		2.4		ug/m3			04/20/21 18:50	1.044
Chloroethane	ND		1.4		ug/m3			04/20/21 18:50	1.044
Chloroform	ND		2.5		ug/m3			04/20/21 18:50	1.044
Chloromethane	ND		1.1		ug/m3			04/20/21 18:50	1.044
Dibromochloromethane	ND		4.4		ug/m3			04/20/21 18:50	1.044
Dichlorodifluoromethane	ND		2.6		ug/m3			04/20/21 18:50	1.044
Dichlorotetrafluoroethane	ND		15		ug/m3			04/20/21 18:50	1.044
Ethylbenzene	ND		2.3		ug/m3			04/20/21 18:50	1.044
Hexachloro-1,3-butadiene	ND		17		ug/m3			04/20/21 18:50	1.044
Isopropanol	**14**		13		ug/m3			04/20/21 18:50	1.044
Methylene Chloride	ND		18		ug/m3			04/20/21 18:50	1.044
Methyl-t-Butyl Ether (MTBE)	ND		7.5		ug/m3			04/20/21 18:50	1.044
n-Butylbenzene	ND		8.6		ug/m3			04/20/21 18:50	1.044
o-Xylene	ND		2.3		ug/m3			04/20/21 18:50	1.044
m,p-Xylene	ND		9.1		ug/m3			04/20/21 18:50	1.044
sec-Butylbenzene	ND		8.6		ug/m3			04/20/21 18:50	1.044
Styrene	ND		6.7		ug/m3			04/20/21 18:50	1.044

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: MC-SV-1_5
Lab Sample ID: 570-56905-1
Date Collected: 04/19/21 09:08
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		2.1		ug/m3			04/20/21 18:50	1.044
trans-1,3-Dichloropropene	ND		4.7		ug/m3			04/20/21 18:50	1.044
tert-Butylbenzene	ND		8.6		ug/m3			04/20/21 18:50	1.044
Tetrachloroethene	ND		3.5		ug/m3			04/20/21 18:50	1.044
Di-isopropyl ether (DIPE)	ND		8.7		ug/m3			04/20/21 18:50	1.044
Toluene	**4.0**		2.0		ug/m3			04/20/21 18:50	1.044
Ethanol	**24**		9.8		ug/m3			04/20/21 18:50	1.044
Trichloroethene	ND		2.8		ug/m3			04/20/21 18:50	1.044
Trichlorofluoromethane	**26**		5.9		ug/m3			04/20/21 18:50	1.044
Vinyl acetate	ND		7.4		ug/m3			04/20/21 18:50	1.044
Vinyl chloride	ND		1.3		ug/m3			04/20/21 18:50	1.044
Ethyl-t-butyl ether (ETBE)	ND		8.7		ug/m3			04/20/21 18:50	1.044
Tert-amyl methyl ether	ND		8.7		ug/m3			04/20/21 18:50	1.044
tert-Butyl alcohol (TBA)	ND		6.3		ug/m3			04/20/21 18:50	1.044

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*04/20/21 18:50*	*1.044*
4-Bromofluorobenzene (Surr)	*105*		*67 - 131*		*04/20/21 18:50*	*1.044*
Toluene-d8 (Surr)	*102*		*70 - 130*		*04/20/21 18:50*	*1.044*

Client Sample ID: MC-SV-1_15
Lab Sample ID: 570-56905-2
Date Collected: 04/19/21 09:09
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.4		ug/m3			04/23/21 18:28	1.6
1,1,2,2-Tetrachloroethane	ND		11		ug/m3			04/23/21 18:28	1.6
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		18		ug/m3			04/23/21 18:28	1.6
1,1,2-Trichloroethane	ND		4.4		ug/m3			04/23/21 18:28	1.6
1,1-Dichloroethane	ND		3.2		ug/m3			04/23/21 18:28	1.6
1,1-Dichloroethene	ND		3.2		ug/m3			04/23/21 18:28	1.6
1,1-Difluoroethane	ND		8.6		ug/m3			04/23/21 18:28	1.6
1,2,4-Trichlorobenzene	ND		24		ug/m3			04/23/21 18:28	1.6
1,2,4-Trimethylbenzene	ND		12		ug/m3			04/23/21 18:28	1.6
1,2-Dibromo-3-Chloropropane	ND		23		ug/m3			04/23/21 18:28	1.6
1,2-Dibromoethane	ND		6.1		ug/m3			04/23/21 18:28	1.6
1,2-Dichlorobenzene	ND		4.8		ug/m3			04/23/21 18:28	1.6
1,2-Dichloroethane	ND		3.2		ug/m3			04/23/21 18:28	1.6
1,2-Dichloropropane	ND		3.7		ug/m3			04/23/21 18:28	1.6
1,3,5-Trimethylbenzene	ND		3.9		ug/m3			04/23/21 18:28	1.6
1,3-Dichlorobenzene	ND		4.8		ug/m3			04/23/21 18:28	1.6
1,4-Dichlorobenzene	ND		4.8		ug/m3			04/23/21 18:28	1.6
2-Butanone	ND		7.1		ug/m3			04/23/21 18:28	1.6
2-Hexanone	ND		9.8		ug/m3			04/23/21 18:28	1.6
4-Ethyltoluene	ND		3.9		ug/m3			04/23/21 18:28	1.6
4-Methyl-2-pentanone	ND		9.8		ug/m3			04/23/21 18:28	1.6
Acetone	**14**		7.6		ug/m3			04/23/21 18:28	1.6
Benzene	ND		2.6		ug/m3			04/23/21 18:28	1.6
Benzyl chloride	ND		12		ug/m3			04/23/21 18:28	1.6

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: MC-SV-1_15
Lab Sample ID: 570-56905-2
Date Collected: 04/19/21 09:09
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		5.4		ug/m3			04/23/21 18:28	1.6
Bromoform	ND		8.3		ug/m3			04/23/21 18:28	1.6
Bromomethane	ND		3.1		ug/m3			04/23/21 18:28	1.6
cis-1,2-Dichloroethene	ND		3.2		ug/m3			04/23/21 18:28	1.6
cis-1,3-Dichloropropene	ND		3.6		ug/m3			04/23/21 18:28	1.6
Carbon disulfide	ND		10		ug/m3			04/23/21 18:28	1.6
Carbon tetrachloride	ND		5.0		ug/m3			04/23/21 18:28	1.6
Chlorobenzene	ND		3.7		ug/m3			04/23/21 18:28	1.6
Chloroethane	ND		2.1		ug/m3			04/23/21 18:28	1.6
Chloroform	ND		3.9		ug/m3			04/23/21 18:28	1.6
Chloromethane	ND		1.7		ug/m3			04/23/21 18:28	1.6
Dibromochloromethane	ND		6.8		ug/m3			04/23/21 18:28	1.6
Dichlorodifluoromethane	ND		4.0		ug/m3			04/23/21 18:28	1.6
Dichlorotetrafluoroethane	ND		22		ug/m3			04/23/21 18:28	1.6
Ethylbenzene	ND		3.5		ug/m3			04/23/21 18:28	1.6
Hexachloro-1,3-butadiene	ND		26		ug/m3			04/23/21 18:28	1.6
Isopropanol	ND		20		ug/m3			04/23/21 18:28	1.6
Methylene Chloride	ND		28		ug/m3			04/23/21 18:28	1.6
Methyl-t-Butyl Ether (MTBE)	ND		12		ug/m3			04/23/21 18:28	1.6
n-Butylbenzene	ND		13		ug/m3			04/23/21 18:28	1.6
o-Xylene	ND		3.5		ug/m3			04/23/21 18:28	1.6
m,p-Xylene	ND		14		ug/m3			04/23/21 18:28	1.6
sec-Butylbenzene	ND		13		ug/m3			04/23/21 18:28	1.6
Styrene	ND		10		ug/m3			04/23/21 18:28	1.6
trans-1,2-Dichloroethene	ND		3.2		ug/m3			04/23/21 18:28	1.6
trans-1,3-Dichloropropene	ND		7.3		ug/m3			04/23/21 18:28	1.6
tert-Butylbenzene	ND		13		ug/m3			04/23/21 18:28	1.6
Tetrachloroethene	**13**		5.4		ug/m3			04/23/21 18:28	1.6
Di-isopropyl ether (DIPE)	ND		13		ug/m3			04/23/21 18:28	1.6
Toluene	**4.7**		3.0		ug/m3			04/23/21 18:28	1.6
Ethanol	**31**		15		ug/m3			04/23/21 18:28	1.6
Trichloroethene	ND		4.3		ug/m3			04/23/21 18:28	1.6
Trichlorofluoromethane	**150**		9.0		ug/m3			04/23/21 18:28	1.6
Vinyl acetate	ND		11		ug/m3			04/23/21 18:28	1.6
Vinyl chloride	ND		2.0		ug/m3			04/23/21 18:28	1.6
Ethyl-t-butyl ether (ETBE)	ND		13		ug/m3			04/23/21 18:28	1.6
Tert-amyl methyl ether	ND		13		ug/m3			04/23/21 18:28	1.6
tert-Butyl alcohol (TBA)	ND		9.7		ug/m3			04/23/21 18:28	1.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*04/23/21 18:28*	*1.6*
4-Bromofluorobenzene (Surr)	*98*		*67 - 131*		*04/23/21 18:28*	*1.6*
Toluene-d8 (Surr)	*99*		*70 - 130*		*04/23/21 18:28*	*1.6*

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Client Sample ID: MC-SV-3_5
Lab Sample ID: 570-56905-3
Date Collected: 04/19/21 09:44
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.3		ug/m3			04/20/21 22:49	1.208
1,1,2,2-Tetrachloroethane	ND		8.3		ug/m3			04/20/21 22:49	1.208
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		14		ug/m3			04/20/21 22:49	1.208
1,1,2-Trichloroethane	ND		3.3		ug/m3			04/20/21 22:49	1.208
1,1-Dichloroethane	ND		2.4		ug/m3			04/20/21 22:49	1.208
1,1-Dichloroethene	ND		2.4		ug/m3			04/20/21 22:49	1.208
1,1-Difluoroethane	ND		6.5		ug/m3			04/20/21 22:49	1.208
1,2,4-Trichlorobenzene	ND		18		ug/m3			04/20/21 22:49	1.208
1,2,4-Trimethylbenzene	ND		8.9		ug/m3			04/20/21 22:49	1.208
1,2-Dibromo-3-Chloropropane	ND		18		ug/m3			04/20/21 22:49	1.208
1,2-Dibromoethane	ND		4.6		ug/m3			04/20/21 22:49	1.208
1,2-Dichlorobenzene	ND		3.6		ug/m3			04/20/21 22:49	1.208
1,2-Dichloroethane	ND		2.4		ug/m3			04/20/21 22:49	1.208
1,2-Dichloropropane	ND		2.8		ug/m3			04/20/21 22:49	1.208
1,3,5-Trimethylbenzene	ND		3.0		ug/m3			04/20/21 22:49	1.208
1,3-Dichlorobenzene	ND		3.6		ug/m3			04/20/21 22:49	1.208
1,4-Dichlorobenzene	ND		3.6		ug/m3			04/20/21 22:49	1.208
2-Butanone	ND		5.3		ug/m3			04/20/21 22:49	1.208
2-Hexanone	ND		7.4		ug/m3			04/20/21 22:49	1.208
4-Ethyltoluene	ND		3.0		ug/m3			04/20/21 22:49	1.208
4-Methyl-2-pentanone	ND		7.4		ug/m3			04/20/21 22:49	1.208
Acetone	**12**		5.7		ug/m3			04/20/21 22:49	1.208
Benzene	ND		1.9		ug/m3			04/20/21 22:49	1.208
Benzyl chloride	ND		9.4		ug/m3			04/20/21 22:49	1.208
Bromodichloromethane	ND		4.0		ug/m3			04/20/21 22:49	1.208
Bromoform	ND		6.2		ug/m3			04/20/21 22:49	1.208
Bromomethane	ND		2.3		ug/m3			04/20/21 22:49	1.208
cis-1,2-Dichloroethene	ND		2.4		ug/m3			04/20/21 22:49	1.208
cis-1,3-Dichloropropene	ND		2.7		ug/m3			04/20/21 22:49	1.208
Carbon disulfide	ND		7.5		ug/m3			04/20/21 22:49	1.208
Carbon tetrachloride	ND		3.8		ug/m3			04/20/21 22:49	1.208
Chlorobenzene	ND		2.8		ug/m3			04/20/21 22:49	1.208
Chloroethane	ND		1.6		ug/m3			04/20/21 22:49	1.208
Chloroform	ND		2.9		ug/m3			04/20/21 22:49	1.208
Chloromethane	ND		1.2		ug/m3			04/20/21 22:49	1.208
Dibromochloromethane	ND		5.1		ug/m3			04/20/21 22:49	1.208
Dichlorodifluoromethane	ND		3.0		ug/m3			04/20/21 22:49	1.208
Dichlorotetrafluoroethane	ND		17		ug/m3			04/20/21 22:49	1.208
Ethylbenzene	ND		2.6		ug/m3			04/20/21 22:49	1.208
Hexachloro-1,3-butadiene	ND		19		ug/m3			04/20/21 22:49	1.208
Isopropanol	**15**		15		ug/m3			04/20/21 22:49	1.208
Methylene Chloride	ND		21		ug/m3			04/20/21 22:49	1.208
Methyl-t-Butyl Ether (MTBE)	ND		8.7		ug/m3			04/20/21 22:49	1.208
n-Butylbenzene	ND		9.9		ug/m3			04/20/21 22:49	1.208
o-Xylene	ND		2.6		ug/m3			04/20/21 22:49	1.208
m,p-Xylene	ND		10		ug/m3			04/20/21 22:49	1.208
sec-Butylbenzene	ND		9.9		ug/m3			04/20/21 22:49	1.208
Styrene	ND		7.7		ug/m3			04/20/21 22:49	1.208

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: MC-SV-3_5
Lab Sample ID: 570-56905-3
Date Collected: 04/19/21 09:44
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		2.4		ug/m3			04/20/21 22:49	1.208
trans-1,3-Dichloropropene	ND		5.5		ug/m3			04/20/21 22:49	1.208
tert-Butylbenzene	ND		9.9		ug/m3			04/20/21 22:49	1.208
Tetrachloroethene	ND		4.1		ug/m3			04/20/21 22:49	1.208
Di-isopropyl ether (DIPE)	ND		10		ug/m3			04/20/21 22:49	1.208
Toluene	**2.7**		2.3		ug/m3			04/20/21 22:49	1.208
Ethanol	**23**		11		ug/m3			04/20/21 22:49	1.208
Trichloroethene	ND		3.2		ug/m3			04/20/21 22:49	1.208
Trichlorofluoromethane	**8.0**		6.8		ug/m3			04/20/21 22:49	1.208
Vinyl acetate	ND		8.5		ug/m3			04/20/21 22:49	1.208
Vinyl chloride	ND		1.5		ug/m3			04/20/21 22:49	1.208
Ethyl-t-butyl ether (ETBE)	ND		10		ug/m3			04/20/21 22:49	1.208
Tert-amyl methyl ether	ND		10		ug/m3			04/20/21 22:49	1.208
tert-Butyl alcohol (TBA)	ND		7.3		ug/m3			04/20/21 22:49	1.208

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*04/20/21 22:49*	*1.208*
4-Bromofluorobenzene (Surr)	*111*		*67 - 131*		*04/20/21 22:49*	*1.208*
Toluene-d8 (Surr)	*90*		*70 - 130*		*04/20/21 22:49*	*1.208*

Client Sample ID: MC-SV-3_15
Lab Sample ID: 570-56905-4
Date Collected: 04/19/21 09:45
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.1		ug/m3			04/20/21 23:44	1.149
1,1,2,2-Tetrachloroethane	ND		7.9		ug/m3			04/20/21 23:44	1.149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13		ug/m3			04/20/21 23:44	1.149
1,1,2-Trichloroethane	ND		3.1		ug/m3			04/20/21 23:44	1.149
1,1-Dichloroethane	ND		2.3		ug/m3			04/20/21 23:44	1.149
1,1-Dichloroethene	ND		2.3		ug/m3			04/20/21 23:44	1.149
1,1-Difluoroethane	ND		6.2		ug/m3			04/20/21 23:44	1.149
1,2,4-Trichlorobenzene	ND		17		ug/m3			04/20/21 23:44	1.149
1,2,4-Trimethylbenzene	ND		8.5		ug/m3			04/20/21 23:44	1.149
1,2-Dibromo-3-Chloropropane	ND		17		ug/m3			04/20/21 23:44	1.149
1,2-Dibromoethane	ND		4.4		ug/m3			04/20/21 23:44	1.149
1,2-Dichlorobenzene	ND		3.5		ug/m3			04/20/21 23:44	1.149
1,2-Dichloroethane	ND		2.3		ug/m3			04/20/21 23:44	1.149
1,2-Dichloropropane	ND		2.7		ug/m3			04/20/21 23:44	1.149
1,3,5-Trimethylbenzene	ND		2.8		ug/m3			04/20/21 23:44	1.149
1,3-Dichlorobenzene	ND		3.5		ug/m3			04/20/21 23:44	1.149
1,4-Dichlorobenzene	ND		3.5		ug/m3			04/20/21 23:44	1.149
2-Butanone	ND		5.1		ug/m3			04/20/21 23:44	1.149
2-Hexanone	ND		7.1		ug/m3			04/20/21 23:44	1.149
4-Ethyltoluene	ND		2.8		ug/m3			04/20/21 23:44	1.149
4-Methyl-2-pentanone	ND		7.1		ug/m3			04/20/21 23:44	1.149
Acetone	**7.9**		5.5		ug/m3			04/20/21 23:44	1.149
Benzene	ND		1.8		ug/m3			04/20/21 23:44	1.149
Benzyl chloride	ND		8.9		ug/m3			04/20/21 23:44	1.149

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: MC-SV-3_15
Lab Sample ID: 570-56905-4
Date Collected: 04/19/21 09:45
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		3.8		ug/m3			04/20/21 23:44	1.149
Bromoform	ND		5.9		ug/m3			04/20/21 23:44	1.149
Bromomethane	ND		2.2		ug/m3			04/20/21 23:44	1.149
cis-1,2-Dichloroethene	ND		2.3		ug/m3			04/20/21 23:44	1.149
cis-1,3-Dichloropropene	ND		2.6		ug/m3			04/20/21 23:44	1.149
Carbon disulfide	ND		7.2		ug/m3			04/20/21 23:44	1.149
Carbon tetrachloride	ND		3.6		ug/m3			04/20/21 23:44	1.149
Chlorobenzene	ND		2.6		ug/m3			04/20/21 23:44	1.149
Chloroethane	ND		1.5		ug/m3			04/20/21 23:44	1.149
Chloroform	ND		2.8		ug/m3			04/20/21 23:44	1.149
Chloromethane	ND		1.2		ug/m3			04/20/21 23:44	1.149
Dibromochloromethane	ND		4.9		ug/m3			04/20/21 23:44	1.149
Dichlorodifluoromethane	**2.9**		2.8		ug/m3			04/20/21 23:44	1.149
Dichlorotetrafluoroethane	ND		16		ug/m3			04/20/21 23:44	1.149
Ethylbenzene	ND		2.5		ug/m3			04/20/21 23:44	1.149
Hexachloro-1,3-butadiene	ND		18		ug/m3			04/20/21 23:44	1.149
Isopropanol	**19**		14		ug/m3			04/20/21 23:44	1.149
Methylene Chloride	ND		20		ug/m3			04/20/21 23:44	1.149
Methyl-t-Butyl Ether (MTBE)	ND		8.3		ug/m3			04/20/21 23:44	1.149
n-Butylbenzene	ND		9.5		ug/m3			04/20/21 23:44	1.149
o-Xylene	ND		2.5		ug/m3			04/20/21 23:44	1.149
m,p-Xylene	ND		10		ug/m3			04/20/21 23:44	1.149
sec-Butylbenzene	ND		9.5		ug/m3			04/20/21 23:44	1.149
Styrene	ND		7.3		ug/m3			04/20/21 23:44	1.149
trans-1,2-Dichloroethene	ND		2.3		ug/m3			04/20/21 23:44	1.149
trans-1,3-Dichloropropene	ND		5.2		ug/m3			04/20/21 23:44	1.149
tert-Butylbenzene	ND		9.5		ug/m3			04/20/21 23:44	1.149
Tetrachloroethene	**42**		3.9		ug/m3			04/20/21 23:44	1.149
Di-isopropyl ether (DIPE)	ND		9.6		ug/m3			04/20/21 23:44	1.149
Toluene	**4.2**		2.2		ug/m3			04/20/21 23:44	1.149
Ethanol	**24**		11		ug/m3			04/20/21 23:44	1.149
Trichloroethene	ND		3.1		ug/m3			04/20/21 23:44	1.149
Trichlorofluoromethane	**110**		6.5		ug/m3			04/20/21 23:44	1.149
Vinyl acetate	ND		8.1		ug/m3			04/20/21 23:44	1.149
Vinyl chloride	ND		1.5		ug/m3			04/20/21 23:44	1.149
Ethyl-t-butyl ether (ETBE)	ND		9.6		ug/m3			04/20/21 23:44	1.149
Tert-amyl methyl ether	ND		9.6		ug/m3			04/20/21 23:44	1.149
tert-Butyl alcohol (TBA)	ND		7.0		ug/m3			04/20/21 23:44	1.149

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*04/20/21 23:44*	*1.149*
4-Bromofluorobenzene (Surr)	*113*		*67 - 131*		*04/20/21 23:44*	*1.149*
Toluene-d8 (Surr)	*95*		*70 - 130*		*04/20/21 23:44*	*1.149*

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Client Sample ID: MC-SV-4_5
Lab Sample ID: 570-56905-5
Date Collected: 04/19/21 11:15
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.1		ug/m3			04/23/21 19:17	1.88
1,1,2,2-Tetrachloroethane	ND		13		ug/m3			04/23/21 19:17	1.88
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		22		ug/m3			04/23/21 19:17	1.88
1,1,2-Trichloroethane	ND		5.1		ug/m3			04/23/21 19:17	1.88
1,1-Dichloroethane	ND		3.8		ug/m3			04/23/21 19:17	1.88
1,1-Dichloroethene	ND		3.7		ug/m3			04/23/21 19:17	1.88
1,1-Difluoroethane	ND		10		ug/m3			04/23/21 19:17	1.88
1,2,4-Trichlorobenzene	ND		28		ug/m3			04/23/21 19:17	1.88
1,2,4-Trimethylbenzene	ND		14		ug/m3			04/23/21 19:17	1.88
1,2-Dibromo-3-Chloropropane	ND		27		ug/m3			04/23/21 19:17	1.88
1,2-Dibromoethane	ND		7.2		ug/m3			04/23/21 19:17	1.88
1,2-Dichlorobenzene	ND		5.7		ug/m3			04/23/21 19:17	1.88
1,2-Dichloroethane	ND		3.8		ug/m3			04/23/21 19:17	1.88
1,2-Dichloropropane	ND		4.3		ug/m3			04/23/21 19:17	1.88
1,3,5-Trimethylbenzene	ND		4.6		ug/m3			04/23/21 19:17	1.88
1,3-Dichlorobenzene	ND		5.7		ug/m3			04/23/21 19:17	1.88
1,4-Dichlorobenzene	ND		5.7		ug/m3			04/23/21 19:17	1.88
2-Butanone	ND		8.3		ug/m3			04/23/21 19:17	1.88
2-Hexanone	ND		12		ug/m3			04/23/21 19:17	1.88
4-Ethyltoluene	ND		4.6		ug/m3			04/23/21 19:17	1.88
4-Methyl-2-pentanone	ND		12		ug/m3			04/23/21 19:17	1.88
Acetone	**15**		8.9		ug/m3			04/23/21 19:17	1.88
Benzene	ND		3.0		ug/m3			04/23/21 19:17	1.88
Benzyl chloride	ND		15		ug/m3			04/23/21 19:17	1.88
Bromodichloromethane	ND		6.3		ug/m3			04/23/21 19:17	1.88
Bromoform	ND		9.7		ug/m3			04/23/21 19:17	1.88
Bromomethane	ND		3.7		ug/m3			04/23/21 19:17	1.88
cis-1,2-Dichloroethene	ND		3.7		ug/m3			04/23/21 19:17	1.88
cis-1,3-Dichloropropene	ND		4.3		ug/m3			04/23/21 19:17	1.88
Carbon disulfide	ND		12		ug/m3			04/23/21 19:17	1.88
Carbon tetrachloride	ND		5.9		ug/m3			04/23/21 19:17	1.88
Chlorobenzene	ND		4.3		ug/m3			04/23/21 19:17	1.88
Chloroethane	ND		2.5		ug/m3			04/23/21 19:17	1.88
Chloroform	**7.2**		4.6		ug/m3			04/23/21 19:17	1.88
Chloromethane	ND		1.9		ug/m3			04/23/21 19:17	1.88
Dibromochloromethane	ND		8.0		ug/m3			04/23/21 19:17	1.88
Dichlorodifluoromethane	ND		4.6		ug/m3			04/23/21 19:17	1.88
Dichlorotetrafluoroethane	ND		26		ug/m3			04/23/21 19:17	1.88
Ethylbenzene	ND		4.1		ug/m3			04/23/21 19:17	1.88
Hexachloro-1,3-butadiene	ND		30		ug/m3			04/23/21 19:17	1.88
Isopropanol	**23**		23		ug/m3			04/23/21 19:17	1.88
Methylene Chloride	ND		33		ug/m3			04/23/21 19:17	1.88
Methyl-t-Butyl Ether (MTBE)	ND		14		ug/m3			04/23/21 19:17	1.88
n-Butylbenzene	ND		15		ug/m3			04/23/21 19:17	1.88
o-Xylene	ND		4.1		ug/m3			04/23/21 19:17	1.88
m,p-Xylene	ND		16		ug/m3			04/23/21 19:17	1.88
sec-Butylbenzene	ND		15		ug/m3			04/23/21 19:17	1.88
Styrene	ND		12		ug/m3			04/23/21 19:17	1.88

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: MC-SV-4_5
Lab Sample ID: 570-56905-5
Date Collected: 04/19/21 11:15
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		3.7		ug/m3			04/23/21 19:17	1.88
trans-1,3-Dichloropropene	ND		8.5		ug/m3			04/23/21 19:17	1.88
tert-Butylbenzene	ND		15		ug/m3			04/23/21 19:17	1.88
Tetrachloroethene	ND		6.4		ug/m3			04/23/21 19:17	1.88
Di-isopropyl ether (DIPE)	ND		16		ug/m3			04/23/21 19:17	1.88
Toluene	ND		3.5		ug/m3			04/23/21 19:17	1.88
Ethanol	**36**		18		ug/m3			04/23/21 19:17	1.88
Trichloroethene	ND		5.1		ug/m3			04/23/21 19:17	1.88
Trichlorofluoromethane	**64**		11		ug/m3			04/23/21 19:17	1.88
Vinyl acetate	ND		13		ug/m3			04/23/21 19:17	1.88
Vinyl chloride	ND		2.4		ug/m3			04/23/21 19:17	1.88
Ethyl-t-butyl ether (ETBE)	ND		16		ug/m3			04/23/21 19:17	1.88
Tert-amyl methyl ether	ND		16		ug/m3			04/23/21 19:17	1.88
tert-Butyl alcohol (TBA)	ND		11		ug/m3			04/23/21 19:17	1.88

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*04/23/21 19:17*	*1.88*
4-Bromofluorobenzene (Surr)	*95*		*67 - 131*		*04/23/21 19:17*	*1.88*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/23/21 19:17*	*1.88*

Client Sample ID: MC-SV-4_15
Lab Sample ID: 570-56905-6
Date Collected: 04/19/21 11:18
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.1		ug/m3			04/21/21 01:35	1.14
1,1,2,2-Tetrachloroethane	ND		7.8		ug/m3			04/21/21 01:35	1.14
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13		ug/m3			04/21/21 01:35	1.14
1,1,2-Trichloroethane	ND		3.1		ug/m3			04/21/21 01:35	1.14
1,1-Dichloroethane	ND		2.3		ug/m3			04/21/21 01:35	1.14
1,1-Dichloroethene	ND		2.3		ug/m3			04/21/21 01:35	1.14
1,1-Difluoroethane	ND		6.2		ug/m3			04/21/21 01:35	1.14
1,2,4-Trichlorobenzene	ND		17		ug/m3			04/21/21 01:35	1.14
1,2,4-Trimethylbenzene	ND		8.4		ug/m3			04/21/21 01:35	1.14
1,2-Dibromo-3-Chloropropane	ND		17		ug/m3			04/21/21 01:35	1.14
1,2-Dibromoethane	ND		4.4		ug/m3			04/21/21 01:35	1.14
1,2-Dichlorobenzene	ND		3.4		ug/m3			04/21/21 01:35	1.14
1,2-Dichloroethane	ND		2.3		ug/m3			04/21/21 01:35	1.14
1,2-Dichloropropane	ND		2.6		ug/m3			04/21/21 01:35	1.14
1,3,5-Trimethylbenzene	ND		2.8		ug/m3			04/21/21 01:35	1.14
1,3-Dichlorobenzene	ND		3.4		ug/m3			04/21/21 01:35	1.14
1,4-Dichlorobenzene	ND		3.4		ug/m3			04/21/21 01:35	1.14
2-Butanone	ND		5.0		ug/m3			04/21/21 01:35	1.14
2-Hexanone	ND		7.0		ug/m3			04/21/21 01:35	1.14
4-Ethyltoluene	ND		2.8		ug/m3			04/21/21 01:35	1.14
4-Methyl-2-pentanone	ND		7.0		ug/m3			04/21/21 01:35	1.14
Acetone	**18**		5.4		ug/m3			04/21/21 01:35	1.14
Benzene	ND		1.8		ug/m3			04/21/21 01:35	1.14
Benzyl chloride	ND		8.9		ug/m3			04/21/21 01:35	1.14

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: MC-SV-4_15
Lab Sample ID: 570-56905-6
Date Collected: 04/19/21 11:18
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		3.8		ug/m3			04/21/21 01:35	1.14
Bromoform	ND		5.9		ug/m3			04/21/21 01:35	1.14
Bromomethane	ND		2.2		ug/m3			04/21/21 01:35	1.14
cis-1,2-Dichloroethene	ND		2.3		ug/m3			04/21/21 01:35	1.14
cis-1,3-Dichloropropene	ND		2.6		ug/m3			04/21/21 01:35	1.14
Carbon disulfide	ND		7.1		ug/m3			04/21/21 01:35	1.14
Carbon tetrachloride	ND		3.6		ug/m3			04/21/21 01:35	1.14
Chlorobenzene	ND		2.6		ug/m3			04/21/21 01:35	1.14
Chloroethane	ND		1.5		ug/m3			04/21/21 01:35	1.14
Chloroform	**2.8**		2.8		ug/m3			04/21/21 01:35	1.14
Chloromethane	ND		1.2		ug/m3			04/21/21 01:35	1.14
Dibromochloromethane	ND		4.9		ug/m3			04/21/21 01:35	1.14
Dichlorodifluoromethane	ND		2.8		ug/m3			04/21/21 01:35	1.14
Dichlorotetrafluoroethane	ND		16		ug/m3			04/21/21 01:35	1.14
Ethylbenzene	ND		2.5		ug/m3			04/21/21 01:35	1.14
Hexachloro-1,3-butadiene	ND		18		ug/m3			04/21/21 01:35	1.14
Isopropanol	**15**		14		ug/m3			04/21/21 01:35	1.14
Methylene Chloride	ND		20		ug/m3			04/21/21 01:35	1.14
Methyl-t-Butyl Ether (MTBE)	ND		8.2		ug/m3			04/21/21 01:35	1.14
n-Butylbenzene	ND		9.4		ug/m3			04/21/21 01:35	1.14
o-Xylene	ND		2.5		ug/m3			04/21/21 01:35	1.14
m,p-Xylene	ND		9.9		ug/m3			04/21/21 01:35	1.14
sec-Butylbenzene	ND		9.4		ug/m3			04/21/21 01:35	1.14
Styrene	ND		7.3		ug/m3			04/21/21 01:35	1.14
trans-1,2-Dichloroethene	ND		2.3		ug/m3			04/21/21 01:35	1.14
trans-1,3-Dichloropropene	ND		5.2		ug/m3			04/21/21 01:35	1.14
tert-Butylbenzene	ND		9.4		ug/m3			04/21/21 01:35	1.14
Tetrachloroethene	**25**		3.9		ug/m3			04/21/21 01:35	1.14
Di-isopropyl ether (DIPE)	ND		9.5		ug/m3			04/21/21 01:35	1.14
Toluene	ND		2.1		ug/m3			04/21/21 01:35	1.14
Ethanol	**16**		11		ug/m3			04/21/21 01:35	1.14
Trichloroethene	ND		3.1		ug/m3			04/21/21 01:35	1.14
Trichlorofluoromethane	**200**		6.4		ug/m3			04/21/21 01:35	1.14
Vinyl acetate	ND		8.0		ug/m3			04/21/21 01:35	1.14
Vinyl chloride	ND		1.5		ug/m3			04/21/21 01:35	1.14
Ethyl-t-butyl ether (ETBE)	ND		9.5		ug/m3			04/21/21 01:35	1.14
Tert-amyl methyl ether	ND		9.5		ug/m3			04/21/21 01:35	1.14
tert-Butyl alcohol (TBA)	ND		6.9		ug/m3			04/21/21 01:35	1.14

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*04/21/21 01:35*	*1.14*
4-Bromofluorobenzene (Surr)	*107*		*67 - 131*		*04/21/21 01:35*	*1.14*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/21/21 01:35*	*1.14*

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Client Sample ID: MC-SV-6_15
Lab Sample ID: 570-56905-8
Date Collected: 04/19/21 10:40
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.8		ug/m3			04/21/21 03:26	1.013
1,1,2,2-Tetrachloroethane	ND		7.0		ug/m3			04/21/21 03:26	1.013
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12		ug/m3			04/21/21 03:26	1.013
1,1,2-Trichloroethane	ND		2.8		ug/m3			04/21/21 03:26	1.013
1,1-Dichloroethane	ND		2.1		ug/m3			04/21/21 03:26	1.013
1,1-Dichloroethene	ND		2.0		ug/m3			04/21/21 03:26	1.013
1,1-Difluoroethane	ND		5.5		ug/m3			04/21/21 03:26	1.013
1,2,4-Trichlorobenzene	ND		15		ug/m3			04/21/21 03:26	1.013
1,2,4-Trimethylbenzene	**7.6**		7.5		ug/m3			04/21/21 03:26	1.013
1,2-Dibromo-3-Chloropropane	ND		15		ug/m3			04/21/21 03:26	1.013
1,2-Dibromoethane	ND		3.9		ug/m3			04/21/21 03:26	1.013
1,2-Dichlorobenzene	ND		3.0		ug/m3			04/21/21 03:26	1.013
1,2-Dichloroethane	ND		2.1		ug/m3			04/21/21 03:26	1.013
1,2-Dichloropropane	ND		2.3		ug/m3			04/21/21 03:26	1.013
1,3,5-Trimethylbenzene	ND		2.5		ug/m3			04/21/21 03:26	1.013
1,3-Dichlorobenzene	ND		3.0		ug/m3			04/21/21 03:26	1.013
1,4-Dichlorobenzene	ND		3.0		ug/m3			04/21/21 03:26	1.013
2-Butanone	**11**		4.5		ug/m3			04/21/21 03:26	1.013
2-Hexanone	ND		6.2		ug/m3			04/21/21 03:26	1.013
4-Ethyltoluene	ND		2.5		ug/m3			04/21/21 03:26	1.013
4-Methyl-2-pentanone	ND		6.2		ug/m3			04/21/21 03:26	1.013
Acetone	**35**		4.8		ug/m3			04/21/21 03:26	1.013
Benzene	ND		1.6		ug/m3			04/21/21 03:26	1.013
Benzyl chloride	ND		7.9		ug/m3			04/21/21 03:26	1.013
Bromodichloromethane	ND		3.4		ug/m3			04/21/21 03:26	1.013
Bromoform	ND		5.2		ug/m3			04/21/21 03:26	1.013
Bromomethane	ND		2.0		ug/m3			04/21/21 03:26	1.013
cis-1,2-Dichloroethene	ND		2.0		ug/m3			04/21/21 03:26	1.013
cis-1,3-Dichloropropene	ND		2.3		ug/m3			04/21/21 03:26	1.013
Carbon disulfide	ND		6.3		ug/m3			04/21/21 03:26	1.013
Carbon tetrachloride	ND		3.2		ug/m3			04/21/21 03:26	1.013
Chlorobenzene	ND		2.3		ug/m3			04/21/21 03:26	1.013
Chloroethane	ND		1.3		ug/m3			04/21/21 03:26	1.013
Chloroform	ND		2.5		ug/m3			04/21/21 03:26	1.013
Chloromethane	ND		1.0		ug/m3			04/21/21 03:26	1.013
Dibromochloromethane	ND		4.3		ug/m3			04/21/21 03:26	1.013
Dichlorodifluoromethane	**3.1**		2.5		ug/m3			04/21/21 03:26	1.013
Dichlorotetrafluoroethane	ND		14		ug/m3			04/21/21 03:26	1.013
Ethylbenzene	**4.3**		2.2		ug/m3			04/21/21 03:26	1.013
Hexachloro-1,3-butadiene	ND		16		ug/m3			04/21/21 03:26	1.013
Isopropanol	**46**		12		ug/m3			04/21/21 03:26	1.013
Methylene Chloride	ND		18		ug/m3			04/21/21 03:26	1.013
Methyl-t-Butyl Ether (MTBE)	ND		7.3		ug/m3			04/21/21 03:26	1.013
n-Butylbenzene	ND		8.3		ug/m3			04/21/21 03:26	1.013
o-Xylene	**7.6**		2.2		ug/m3			04/21/21 03:26	1.013
m,p-Xylene	**18**		8.8		ug/m3			04/21/21 03:26	1.013
sec-Butylbenzene	ND		8.3		ug/m3			04/21/21 03:26	1.013
Styrene	ND		6.5		ug/m3			04/21/21 03:26	1.013

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: MC-SV-6_15
Lab Sample ID: 570-56905-8
Date Collected: 04/19/21 10:40
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		2.0		ug/m3			04/21/21 03:26	1.013
trans-1,3-Dichloropropene	ND		4.6		ug/m3			04/21/21 03:26	1.013
tert-Butylbenzene	ND		8.3		ug/m3			04/21/21 03:26	1.013
Tetrachloroethene	**3.7**		3.4		ug/m3			04/21/21 03:26	1.013
Di-isopropyl ether (DIPE)	ND		8.5		ug/m3			04/21/21 03:26	1.013
Toluene	**17**		1.9		ug/m3			04/21/21 03:26	1.013
Ethanol	**34**		9.5		ug/m3			04/21/21 03:26	1.013
Trichloroethene	ND		2.7		ug/m3			04/21/21 03:26	1.013
Trichlorofluoromethane	**67**		5.7		ug/m3			04/21/21 03:26	1.013
Vinyl acetate	ND		7.1		ug/m3			04/21/21 03:26	1.013
Vinyl chloride	ND		1.3		ug/m3			04/21/21 03:26	1.013
Ethyl-t-butyl ether (ETBE)	ND		8.5		ug/m3			04/21/21 03:26	1.013
Tert-amyl methyl ether	ND		8.5		ug/m3			04/21/21 03:26	1.013
tert-Butyl alcohol (TBA)	ND		6.1		ug/m3			04/21/21 03:26	1.013

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*04/21/21 03:26*	*1.013*
4-Bromofluorobenzene (Surr)	*106*		*67 - 131*		*04/21/21 03:26*	*1.013*
Toluene-d8 (Surr)	*101*		*70 - 130*		*04/21/21 03:26*	*1.013*

Client Sample ID: MC-SV-7_5
Lab Sample ID: 570-56905-9
Date Collected: 04/19/21 11:49
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.1		ug/m3			04/22/21 12:35	1.859
1,1,2,2-Tetrachloroethane	ND		13		ug/m3			04/22/21 12:35	1.859
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		21		ug/m3			04/22/21 12:35	1.859
1,1,2-Trichloroethane	ND		5.1		ug/m3			04/22/21 12:35	1.859
1,1-Dichloroethane	ND		3.8		ug/m3			04/22/21 12:35	1.859
1,1-Dichloroethene	ND		3.7		ug/m3			04/22/21 12:35	1.859
1,1-Difluoroethane	ND		10		ug/m3			04/22/21 12:35	1.859
1,2,4-Trichlorobenzene	ND		28		ug/m3			04/22/21 12:35	1.859
1,2,4-Trimethylbenzene	ND		14		ug/m3			04/22/21 12:35	1.859
1,2-Dibromo-3-Chloropropane	ND		27		ug/m3			04/22/21 12:35	1.859
1,2-Dibromoethane	ND		7.1		ug/m3			04/22/21 12:35	1.859
1,2-Dichlorobenzene	ND		5.6		ug/m3			04/22/21 12:35	1.859
1,2-Dichloroethane	ND		3.8		ug/m3			04/22/21 12:35	1.859
1,2-Dichloropropane	ND		4.3		ug/m3			04/22/21 12:35	1.859
1,3,5-Trimethylbenzene	ND		4.6		ug/m3			04/22/21 12:35	1.859
1,3-Dichlorobenzene	ND		5.6		ug/m3			04/22/21 12:35	1.859
1,4-Dichlorobenzene	ND		5.6		ug/m3			04/22/21 12:35	1.859
2-Butanone	ND		8.2		ug/m3			04/22/21 12:35	1.859
2-Hexanone	ND		11		ug/m3			04/22/21 12:35	1.859
4-Ethyltoluene	ND		4.6		ug/m3			04/22/21 12:35	1.859
4-Methyl-2-pentanone	ND		11		ug/m3			04/22/21 12:35	1.859
Acetone	ND		8.8		ug/m3			04/22/21 12:35	1.859
Benzene	ND		3.0		ug/m3			04/22/21 12:35	1.859
Benzyl chloride	ND		14		ug/m3			04/22/21 12:35	1.859

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: MC-SV-7_5
Lab Sample ID: 570-56905-9
Date Collected: 04/19/21 11:49
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		6.2		ug/m3			04/22/21 12:35	1.859
Bromoform	ND		9.6		ug/m3			04/22/21 12:35	1.859
Bromomethane	ND		3.6		ug/m3			04/22/21 12:35	1.859
cis-1,2-Dichloroethene	ND		3.7		ug/m3			04/22/21 12:35	1.859
cis-1,3-Dichloropropene	ND		4.2		ug/m3			04/22/21 12:35	1.859
Carbon disulfide	ND		12		ug/m3			04/22/21 12:35	1.859
Carbon tetrachloride	ND		5.8		ug/m3			04/22/21 12:35	1.859
Chlorobenzene	ND		4.3		ug/m3			04/22/21 12:35	1.859
Chloroethane	ND		2.5		ug/m3			04/22/21 12:35	1.859
Chloroform	ND		4.5		ug/m3			04/22/21 12:35	1.859
Chloromethane	ND		1.9		ug/m3			04/22/21 12:35	1.859
Dibromochloromethane	ND		7.9		ug/m3			04/22/21 12:35	1.859
Dichlorodifluoromethane	ND		4.6		ug/m3			04/22/21 12:35	1.859
Dichlorotetrafluoroethane	ND		26		ug/m3			04/22/21 12:35	1.859
Ethylbenzene	ND		4.0		ug/m3			04/22/21 12:35	1.859
Hexachloro-1,3-butadiene	ND		30		ug/m3			04/22/21 12:35	1.859
Isopropanol	ND		23		ug/m3			04/22/21 12:35	1.859
Methylene Chloride	ND		32		ug/m3			04/22/21 12:35	1.859
Methyl-t-Butyl Ether (MTBE)	ND		13		ug/m3			04/22/21 12:35	1.859
n-Butylbenzene	ND		15		ug/m3			04/22/21 12:35	1.859
o-Xylene	ND		4.0		ug/m3			04/22/21 12:35	1.859
m,p-Xylene	ND		16		ug/m3			04/22/21 12:35	1.859
sec-Butylbenzene	ND		15		ug/m3			04/22/21 12:35	1.859
Styrene	ND		12		ug/m3			04/22/21 12:35	1.859
trans-1,2-Dichloroethene	ND		3.7		ug/m3			04/22/21 12:35	1.859
trans-1,3-Dichloropropene	ND		8.4		ug/m3			04/22/21 12:35	1.859
tert-Butylbenzene	ND		15		ug/m3			04/22/21 12:35	1.859
Tetrachloroethene	ND		6.3		ug/m3			04/22/21 12:35	1.859
Di-isopropyl ether (DIPE)	ND		16		ug/m3			04/22/21 12:35	1.859
Toluene	ND		3.5		ug/m3			04/22/21 12:35	1.859
Ethanol	ND		18		ug/m3			04/22/21 12:35	1.859
Trichloroethene	ND		5.0		ug/m3			04/22/21 12:35	1.859
Trichlorofluoromethane	ND		10		ug/m3			04/22/21 12:35	1.859
Vinyl acetate	ND		13		ug/m3			04/22/21 12:35	1.859
Vinyl chloride	ND		2.4		ug/m3			04/22/21 12:35	1.859
Ethyl-t-butyl ether (ETBE)	ND		16		ug/m3			04/22/21 12:35	1.859
Tert-amyl methyl ether	ND		16		ug/m3			04/22/21 12:35	1.859
tert-Butyl alcohol (TBA)	ND		11		ug/m3			04/22/21 12:35	1.859

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*04/22/21 12:35*	*1.859*
4-Bromofluorobenzene (Surr)	*101*		*67 - 131*		*04/22/21 12:35*	*1.859*
Toluene-d8 (Surr)	*97*		*70 - 130*		*04/22/21 12:35*	*1.859*

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Client Sample ID: MC-SV-7_15
Lab Sample ID: 570-56905-10
Date Collected: 04/19/21 11:50
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.5		ug/m3			04/22/21 14:25	1.28
1,1,2,2-Tetrachloroethane	ND		8.8		ug/m3			04/22/21 14:25	1.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15		ug/m3			04/22/21 14:25	1.28
1,1,2-Trichloroethane	ND		3.5		ug/m3			04/22/21 14:25	1.28
1,1-Dichloroethane	ND		2.6		ug/m3			04/22/21 14:25	1.28
1,1-Dichloroethene	ND		2.5		ug/m3			04/22/21 14:25	1.28
1,1-Difluoroethane	ND		6.9		ug/m3			04/22/21 14:25	1.28
1,2,4-Trichlorobenzene	ND		19		ug/m3			04/22/21 14:25	1.28
1,2,4-Trimethylbenzene	ND		9.4		ug/m3			04/22/21 14:25	1.28
1,2-Dibromo-3-Chloropropane	ND		19		ug/m3			04/22/21 14:25	1.28
1,2-Dibromoethane	ND		4.9		ug/m3			04/22/21 14:25	1.28
1,2-Dichlorobenzene	ND		3.8		ug/m3			04/22/21 14:25	1.28
1,2-Dichloroethane	ND		2.6		ug/m3			04/22/21 14:25	1.28
1,2-Dichloropropane	ND		3.0		ug/m3			04/22/21 14:25	1.28
1,3,5-Trimethylbenzene	ND		3.1		ug/m3			04/22/21 14:25	1.28
1,3-Dichlorobenzene	ND		3.8		ug/m3			04/22/21 14:25	1.28
1,4-Dichlorobenzene	ND		3.8		ug/m3			04/22/21 14:25	1.28
2-Butanone	**14**		5.7		ug/m3			04/22/21 14:25	1.28
2-Hexanone	ND		7.9		ug/m3			04/22/21 14:25	1.28
4-Ethyltoluene	ND		3.1		ug/m3			04/22/21 14:25	1.28
4-Methyl-2-pentanone	ND		7.9		ug/m3			04/22/21 14:25	1.28
Acetone	**35**		6.1		ug/m3			04/22/21 14:25	1.28
Benzene	ND		2.0		ug/m3			04/22/21 14:25	1.28
Benzyl chloride	ND		9.9		ug/m3			04/22/21 14:25	1.28
Bromodichloromethane	ND		4.3		ug/m3			04/22/21 14:25	1.28
Bromoform	ND		6.6		ug/m3			04/22/21 14:25	1.28
Bromomethane	ND		2.5		ug/m3			04/22/21 14:25	1.28
cis-1,2-Dichloroethene	ND		2.5		ug/m3			04/22/21 14:25	1.28
cis-1,3-Dichloropropene	ND		2.9		ug/m3			04/22/21 14:25	1.28
Carbon disulfide	ND		8.0		ug/m3			04/22/21 14:25	1.28
Carbon tetrachloride	ND		4.0		ug/m3			04/22/21 14:25	1.28
Chlorobenzene	ND		2.9		ug/m3			04/22/21 14:25	1.28
Chloroethane	ND		1.7		ug/m3			04/22/21 14:25	1.28
Chloroform	ND		3.1		ug/m3			04/22/21 14:25	1.28
Chloromethane	ND		1.3		ug/m3			04/22/21 14:25	1.28
Dibromochloromethane	ND		5.5		ug/m3			04/22/21 14:25	1.28
Dichlorodifluoromethane	ND		3.2		ug/m3			04/22/21 14:25	1.28
Dichlorotetrafluoroethane	ND		18		ug/m3			04/22/21 14:25	1.28
Ethylbenzene	ND		2.8		ug/m3			04/22/21 14:25	1.28
Hexachloro-1,3-butadiene	ND		20		ug/m3			04/22/21 14:25	1.28
Isopropanol	**20**		16		ug/m3			04/22/21 14:25	1.28
Methylene Chloride	ND		22		ug/m3			04/22/21 14:25	1.28
Methyl-t-Butyl Ether (MTBE)	ND		9.2		ug/m3			04/22/21 14:25	1.28
n-Butylbenzene	ND		11		ug/m3			04/22/21 14:25	1.28
o-Xylene	ND		2.8		ug/m3			04/22/21 14:25	1.28
m,p-Xylene	ND		11		ug/m3			04/22/21 14:25	1.28
sec-Butylbenzene	ND		11		ug/m3			04/22/21 14:25	1.28
Styrene	ND		8.2		ug/m3			04/22/21 14:25	1.28

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: MC-SV-7_15
Date Collected: 04/19/21 11:50
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Lab Sample ID: 570-56905-10
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		2.5		ug/m3			04/22/21 14:25	1.28
trans-1,3-Dichloropropene	ND		5.8		ug/m3			04/22/21 14:25	1.28
tert-Butylbenzene	ND		11		ug/m3			04/22/21 14:25	1.28
Tetrachloroethene	**4.6**		4.3		ug/m3			04/22/21 14:25	1.28
Di-isopropyl ether (DIPE)	ND		11		ug/m3			04/22/21 14:25	1.28
Toluene	ND		2.4		ug/m3			04/22/21 14:25	1.28
Ethanol	**26**		12		ug/m3			04/22/21 14:25	1.28
Trichloroethene	ND		3.4		ug/m3			04/22/21 14:25	1.28
Trichlorofluoromethane	**480**		7.2		ug/m3			04/22/21 14:25	1.28
Vinyl acetate	ND		9.0		ug/m3			04/22/21 14:25	1.28
Vinyl chloride	ND		1.6		ug/m3			04/22/21 14:25	1.28
Ethyl-t-butyl ether (ETBE)	ND		11		ug/m3			04/22/21 14:25	1.28
Tert-amyl methyl ether	ND		11		ug/m3			04/22/21 14:25	1.28
tert-Butyl alcohol (TBA)	ND		7.8		ug/m3			04/22/21 14:25	1.28

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*04/22/21 14:25*	*1.28*
4-Bromofluorobenzene (Surr)	*103*		*67 - 131*		*04/22/21 14:25*	*1.28*
Toluene-d8 (Surr)	*98*		*70 - 130*		*04/22/21 14:25*	*1.28*

Client Sample ID: MC-SV-8_5
Date Collected: 04/19/21 12:34
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Lab Sample ID: 570-56905-11
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.4		ug/m3			04/22/21 15:20	1.98
1,1,2,2-Tetrachloroethane	ND		14		ug/m3			04/22/21 15:20	1.98
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		23		ug/m3			04/22/21 15:20	1.98
1,1,2-Trichloroethane	ND		5.4		ug/m3			04/22/21 15:20	1.98
1,1-Dichloroethane	ND		4.0		ug/m3			04/22/21 15:20	1.98
1,1-Dichloroethene	ND		3.9		ug/m3			04/22/21 15:20	1.98
1,1-Difluoroethane	ND		11		ug/m3			04/22/21 15:20	1.98
1,2,4-Trichlorobenzene	ND		29		ug/m3			04/22/21 15:20	1.98
1,2,4-Trimethylbenzene	ND		15		ug/m3			04/22/21 15:20	1.98
1,2-Dibromo-3-Chloropropane	ND		29		ug/m3			04/22/21 15:20	1.98
1,2-Dibromoethane	ND		7.6		ug/m3			04/22/21 15:20	1.98
1,2-Dichlorobenzene	ND		6.0		ug/m3			04/22/21 15:20	1.98
1,2-Dichloroethane	ND		4.0		ug/m3			04/22/21 15:20	1.98
1,2-Dichloropropane	ND		4.6		ug/m3			04/22/21 15:20	1.98
1,3,5-Trimethylbenzene	ND		4.9		ug/m3			04/22/21 15:20	1.98
1,3-Dichlorobenzene	ND		6.0		ug/m3			04/22/21 15:20	1.98
1,4-Dichlorobenzene	ND		6.0		ug/m3			04/22/21 15:20	1.98
2-Butanone	ND		8.8		ug/m3			04/22/21 15:20	1.98
2-Hexanone	ND		12		ug/m3			04/22/21 15:20	1.98
4-Ethyltoluene	ND		4.9		ug/m3			04/22/21 15:20	1.98
4-Methyl-2-pentanone	ND		12		ug/m3			04/22/21 15:20	1.98
Acetone	**29**		9.4		ug/m3			04/22/21 15:20	1.98
Benzene	ND		3.2		ug/m3			04/22/21 15:20	1.98
Benzyl chloride	ND		15		ug/m3			04/22/21 15:20	1.98

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: MC-SV-8_5
Lab Sample ID: 570-56905-11
Date Collected: 04/19/21 12:34
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		6.6		ug/m3			04/22/21 15:20	1.98
Bromoform	ND		10		ug/m3			04/22/21 15:20	1.98
Bromomethane	ND		3.8		ug/m3			04/22/21 15:20	1.98
cis-1,2-Dichloroethene	ND		3.9		ug/m3			04/22/21 15:20	1.98
cis-1,3-Dichloropropene	ND		4.5		ug/m3			04/22/21 15:20	1.98
Carbon disulfide	ND		12		ug/m3			04/22/21 15:20	1.98
Carbon tetrachloride	ND		6.2		ug/m3			04/22/21 15:20	1.98
Chlorobenzene	ND		4.6		ug/m3			04/22/21 15:20	1.98
Chloroethane	ND		2.6		ug/m3			04/22/21 15:20	1.98
Chloroform	**15**		4.8		ug/m3			04/22/21 15:20	1.98
Chloromethane	ND		2.0		ug/m3			04/22/21 15:20	1.98
Dibromochloromethane	ND		8.4		ug/m3			04/22/21 15:20	1.98
Dichlorodifluoromethane	ND		4.9		ug/m3			04/22/21 15:20	1.98
Dichlorotetrafluoroethane	ND		28		ug/m3			04/22/21 15:20	1.98
Ethylbenzene	ND		4.3		ug/m3			04/22/21 15:20	1.98
Hexachloro-1,3-butadiene	ND		32		ug/m3			04/22/21 15:20	1.98
Isopropanol	**53**		24		ug/m3			04/22/21 15:20	1.98
Methylene Chloride	ND		34		ug/m3			04/22/21 15:20	1.98
Methyl-t-Butyl Ether (MTBE)	ND		14		ug/m3			04/22/21 15:20	1.98
n-Butylbenzene	ND		16		ug/m3			04/22/21 15:20	1.98
o-Xylene	ND		4.3		ug/m3			04/22/21 15:20	1.98
m,p-Xylene	ND		17		ug/m3			04/22/21 15:20	1.98
sec-Butylbenzene	ND		16		ug/m3			04/22/21 15:20	1.98
Styrene	ND		13		ug/m3			04/22/21 15:20	1.98
trans-1,2-Dichloroethene	ND		3.9		ug/m3			04/22/21 15:20	1.98
trans-1,3-Dichloropropene	ND		9.0		ug/m3			04/22/21 15:20	1.98
tert-Butylbenzene	ND		16		ug/m3			04/22/21 15:20	1.98
Tetrachloroethene	ND		6.7		ug/m3			04/22/21 15:20	1.98
Di-isopropyl ether (DIPE)	ND		17		ug/m3			04/22/21 15:20	1.98
Toluene	ND		3.7		ug/m3			04/22/21 15:20	1.98
Ethanol	**470**		19		ug/m3			04/22/21 15:20	1.98
Trichloroethene	ND		5.3		ug/m3			04/22/21 15:20	1.98
Trichlorofluoromethane	**270**		11		ug/m3			04/22/21 15:20	1.98
Vinyl acetate	ND		14		ug/m3			04/22/21 15:20	1.98
Vinyl chloride	ND		2.5		ug/m3			04/22/21 15:20	1.98
Ethyl-t-butyl ether (ETBE)	ND		17		ug/m3			04/22/21 15:20	1.98
Tert-amyl methyl ether	ND		17		ug/m3			04/22/21 15:20	1.98
tert-Butyl alcohol (TBA)	ND		12		ug/m3			04/22/21 15:20	1.98

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*04/22/21 15:20*	*1.98*
4-Bromofluorobenzene (Surr)	*101*		*67 - 131*		*04/22/21 15:20*	*1.98*
Toluene-d8 (Surr)	*97*		*70 - 130*		*04/22/21 15:20*	*1.98*

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Client Sample ID: MC-SV-11_5
Lab Sample ID: 570-56905-18
Date Collected: 04/19/21 14:13
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.9		ug/m3			04/22/21 06:45	1.075
1,1,2,2-Tetrachloroethane	ND		7.4		ug/m3			04/22/21 06:45	1.075
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12		ug/m3			04/22/21 06:45	1.075
1,1,2-Trichloroethane	ND		2.9		ug/m3			04/22/21 06:45	1.075
1,1-Dichloroethane	ND		2.2		ug/m3			04/22/21 06:45	1.075
1,1-Dichloroethene	ND		2.1		ug/m3			04/22/21 06:45	1.075
1,1-Difluoroethane	ND		5.8		ug/m3			04/22/21 06:45	1.075
1,2,4-Trichlorobenzene	ND		16		ug/m3			04/22/21 06:45	1.075
1,2,4-Trimethylbenzene	ND		7.9		ug/m3			04/22/21 06:45	1.075
1,2-Dibromo-3-Chloropropane	ND		16		ug/m3			04/22/21 06:45	1.075
1,2-Dibromoethane	ND		4.1		ug/m3			04/22/21 06:45	1.075
1,2-Dichlorobenzene	ND		3.2		ug/m3			04/22/21 06:45	1.075
1,2-Dichloroethane	ND		2.2		ug/m3			04/22/21 06:45	1.075
1,2-Dichloropropane	ND		2.5		ug/m3			04/22/21 06:45	1.075
1,3,5-Trimethylbenzene	ND		2.6		ug/m3			04/22/21 06:45	1.075
1,3-Dichlorobenzene	ND		3.2		ug/m3			04/22/21 06:45	1.075
1,4-Dichlorobenzene	ND		3.2		ug/m3			04/22/21 06:45	1.075
2-Butanone	**7.4**		4.8		ug/m3			04/22/21 06:45	1.075
2-Hexanone	ND		6.6		ug/m3			04/22/21 06:45	1.075
4-Ethyltoluene	ND		2.6		ug/m3			04/22/21 06:45	1.075
4-Methyl-2-pentanone	ND		6.6		ug/m3			04/22/21 06:45	1.075
Acetone	**30**		5.1		ug/m3			04/22/21 06:45	1.075
Benzene	ND		1.7		ug/m3			04/22/21 06:45	1.075
Benzyl chloride	ND		8.3		ug/m3			04/22/21 06:45	1.075
Bromodichloromethane	ND		3.6		ug/m3			04/22/21 06:45	1.075
Bromoform	ND		5.6		ug/m3			04/22/21 06:45	1.075
Bromomethane	ND		2.1		ug/m3			04/22/21 06:45	1.075
cis-1,2-Dichloroethene	ND		2.1		ug/m3			04/22/21 06:45	1.075
cis-1,3-Dichloropropene	ND		2.4		ug/m3			04/22/21 06:45	1.075
Carbon disulfide	ND		6.7		ug/m3			04/22/21 06:45	1.075
Carbon tetrachloride	ND		3.4		ug/m3			04/22/21 06:45	1.075
Chlorobenzene	ND		2.5		ug/m3			04/22/21 06:45	1.075
Chloroethane	ND		1.4		ug/m3			04/22/21 06:45	1.075
Chloroform	ND		2.6		ug/m3			04/22/21 06:45	1.075
Chloromethane	ND		1.1		ug/m3			04/22/21 06:45	1.075
Dibromochloromethane	ND		4.6		ug/m3			04/22/21 06:45	1.075
Dichlorodifluoromethane	ND		2.7		ug/m3			04/22/21 06:45	1.075
Dichlorotetrafluoroethane	ND		15		ug/m3			04/22/21 06:45	1.075
Ethylbenzene	ND		2.3		ug/m3			04/22/21 06:45	1.075
Hexachloro-1,3-butadiene	ND		17		ug/m3			04/22/21 06:45	1.075
Isopropanol	ND		13		ug/m3			04/22/21 06:45	1.075
Methylene Chloride	ND		19		ug/m3			04/22/21 06:45	1.075
Methyl-t-Butyl Ether (MTBE)	ND		7.8		ug/m3			04/22/21 06:45	1.075
n-Butylbenzene	ND		8.9		ug/m3			04/22/21 06:45	1.075
o-Xylene	ND		2.3		ug/m3			04/22/21 06:45	1.075
m,p-Xylene	ND		9.3		ug/m3			04/22/21 06:45	1.075
sec-Butylbenzene	ND		8.9		ug/m3			04/22/21 06:45	1.075
Styrene	ND		6.9		ug/m3			04/22/21 06:45	1.075

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: MC-SV-11_5
Lab Sample ID: 570-56905-18
Date Collected: 04/19/21 14:13
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		2.1		ug/m3			04/22/21 06:45	1.075
trans-1,3-Dichloropropene	ND		4.9		ug/m3			04/22/21 06:45	1.075
tert-Butylbenzene	ND		8.9		ug/m3			04/22/21 06:45	1.075
Tetrachloroethene	ND		3.6		ug/m3			04/22/21 06:45	1.075
Di-isopropyl ether (DIPE)	ND		9.0		ug/m3			04/22/21 06:45	1.075
Toluene	ND		2.0		ug/m3			04/22/21 06:45	1.075
Ethanol	**19**		10		ug/m3			04/22/21 06:45	1.075
Trichloroethene	ND		2.9		ug/m3			04/22/21 06:45	1.075
Trichlorofluoromethane	ND		6.0		ug/m3			04/22/21 06:45	1.075
Vinyl acetate	ND		7.6		ug/m3			04/22/21 06:45	1.075
Vinyl chloride	ND		1.4		ug/m3			04/22/21 06:45	1.075
Ethyl-t-butyl ether (ETBE)	ND		9.0		ug/m3			04/22/21 06:45	1.075
Tert-amyl methyl ether	ND		9.0		ug/m3			04/22/21 06:45	1.075
tert-Butyl alcohol (TBA)	ND		6.5		ug/m3			04/22/21 06:45	1.075

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*04/22/21 06:45*	*1.075*
4-Bromofluorobenzene (Surr)	*104*		*67 - 131*		*04/22/21 06:45*	*1.075*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/22/21 06:45*	*1.075*

Client Sample ID: MC-SV-11_15
Lab Sample ID: 570-56905-19
Date Collected: 04/19/21 14:20
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.1		ug/m3			04/22/21 08:52	1.878
1,1,2,2-Tetrachloroethane	ND		13		ug/m3			04/22/21 08:52	1.878
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		22		ug/m3			04/22/21 08:52	1.878
1,1,2-Trichloroethane	ND		5.1		ug/m3			04/22/21 08:52	1.878
1,1-Dichloroethane	ND		3.8		ug/m3			04/22/21 08:52	1.878
1,1-Dichloroethene	ND		3.7		ug/m3			04/22/21 08:52	1.878
1,1-Difluoroethane	ND		10		ug/m3			04/22/21 08:52	1.878
1,2,4-Trichlorobenzene	ND		28		ug/m3			04/22/21 08:52	1.878
1,2,4-Trimethylbenzene	ND		14		ug/m3			04/22/21 08:52	1.878
1,2-Dibromo-3-Chloropropane	ND		27		ug/m3			04/22/21 08:52	1.878
1,2-Dibromoethane	ND		7.2		ug/m3			04/22/21 08:52	1.878
1,2-Dichlorobenzene	ND		5.6		ug/m3			04/22/21 08:52	1.878
1,2-Dichloroethane	ND		3.8		ug/m3			04/22/21 08:52	1.878
1,2-Dichloropropane	ND		4.3		ug/m3			04/22/21 08:52	1.878
1,3,5-Trimethylbenzene	ND		4.6		ug/m3			04/22/21 08:52	1.878
1,3-Dichlorobenzene	ND		5.6		ug/m3			04/22/21 08:52	1.878
1,4-Dichlorobenzene	ND		5.6		ug/m3			04/22/21 08:52	1.878
2-Butanone	ND		8.3		ug/m3			04/22/21 08:52	1.878
2-Hexanone	ND		12		ug/m3			04/22/21 08:52	1.878
4-Ethyltoluene	ND		4.6		ug/m3			04/22/21 08:52	1.878
4-Methyl-2-pentanone	ND		12		ug/m3			04/22/21 08:52	1.878
Acetone	ND		8.9		ug/m3			04/22/21 08:52	1.878
Benzene	ND		3.0		ug/m3			04/22/21 08:52	1.878
Benzyl chloride	ND		15		ug/m3			04/22/21 08:52	1.878

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: MC-SV-11_15
Lab Sample ID: 570-56905-19
Date Collected: 04/19/21 14:20
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		6.3		ug/m3			04/22/21 08:52	1.878
Bromoform	ND		9.7		ug/m3			04/22/21 08:52	1.878
Bromomethane	ND		3.6		ug/m3			04/22/21 08:52	1.878
cis-1,2-Dichloroethene	ND		3.7		ug/m3			04/22/21 08:52	1.878
cis-1,3-Dichloropropene	ND		4.3		ug/m3			04/22/21 08:52	1.878
Carbon disulfide	ND		12		ug/m3			04/22/21 08:52	1.878
Carbon tetrachloride	ND		5.9		ug/m3			04/22/21 08:52	1.878
Chlorobenzene	ND		4.3		ug/m3			04/22/21 08:52	1.878
Chloroethane	ND		2.5		ug/m3			04/22/21 08:52	1.878
Chloroform	ND		4.6		ug/m3			04/22/21 08:52	1.878
Chloromethane	ND		1.9		ug/m3			04/22/21 08:52	1.878
Dibromochloromethane	ND		8.0		ug/m3			04/22/21 08:52	1.878
Dichlorodifluoromethane	ND		4.6		ug/m3			04/22/21 08:52	1.878
Dichlorotetrafluoroethane	ND		26		ug/m3			04/22/21 08:52	1.878
Ethylbenzene	ND		4.1		ug/m3			04/22/21 08:52	1.878
Hexachloro-1,3-butadiene	ND		30		ug/m3			04/22/21 08:52	1.878
Isopropanol	ND		23		ug/m3			04/22/21 08:52	1.878
Methylene Chloride	ND		33		ug/m3			04/22/21 08:52	1.878
Methyl-t-Butyl Ether (MTBE)	ND		14		ug/m3			04/22/21 08:52	1.878
n-Butylbenzene	ND		15		ug/m3			04/22/21 08:52	1.878
o-Xylene	ND		4.1		ug/m3			04/22/21 08:52	1.878
m,p-Xylene	ND		16		ug/m3			04/22/21 08:52	1.878
sec-Butylbenzene	ND		15		ug/m3			04/22/21 08:52	1.878
Styrene	ND		12		ug/m3			04/22/21 08:52	1.878
trans-1,2-Dichloroethene	ND		3.7		ug/m3			04/22/21 08:52	1.878
trans-1,3-Dichloropropene	ND		8.5		ug/m3			04/22/21 08:52	1.878
tert-Butylbenzene	ND		15		ug/m3			04/22/21 08:52	1.878
Tetrachloroethene	ND		6.4		ug/m3			04/22/21 08:52	1.878
Di-isopropyl ether (DIPE)	ND		16		ug/m3			04/22/21 08:52	1.878
Toluene	ND		3.5		ug/m3			04/22/21 08:52	1.878
Ethanol	ND		18		ug/m3			04/22/21 08:52	1.878
Trichloroethene	ND		5.0		ug/m3			04/22/21 08:52	1.878
Trichlorofluoromethane	ND		11		ug/m3			04/22/21 08:52	1.878
Vinyl acetate	ND		13		ug/m3			04/22/21 08:52	1.878
Vinyl chloride	ND		2.4		ug/m3			04/22/21 08:52	1.878
Ethyl-t-butyl ether (ETBE)	ND		16		ug/m3			04/22/21 08:52	1.878
Tert-amyl methyl ether	ND		16		ug/m3			04/22/21 08:52	1.878
tert-Butyl alcohol (TBA)	ND		11		ug/m3			04/22/21 08:52	1.878

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 130*		*04/22/21 08:52*	*1.878*
4-Bromofluorobenzene (Surr)	*102*		*67 - 131*		*04/22/21 08:52*	*1.878*
Toluene-d8 (Surr)	*93*		*70 - 130*		*04/22/21 08:52*	*1.878*

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Client Sample ID: MC-SV-12_15
Lab Sample ID: 570-56905-21
Date Collected: 04/19/21 13:43
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.0		ug/m3			04/22/21 10:43	1.114
1,1,2,2-Tetrachloroethane	ND		7.6		ug/m3			04/22/21 10:43	1.114
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13		ug/m3			04/22/21 10:43	1.114
1,1,2-Trichloroethane	ND		3.0		ug/m3			04/22/21 10:43	1.114
1,1-Dichloroethane	ND		2.3		ug/m3			04/22/21 10:43	1.114
1,1-Dichloroethene	ND		2.2		ug/m3			04/22/21 10:43	1.114
1,1-Difluoroethane	ND		6.0		ug/m3			04/22/21 10:43	1.114
1,2,4-Trichlorobenzene	ND		17		ug/m3			04/22/21 10:43	1.114
1,2,4-Trimethylbenzene	ND		8.2		ug/m3			04/22/21 10:43	1.114
1,2-Dibromo-3-Chloropropane	ND		16		ug/m3			04/22/21 10:43	1.114
1,2-Dibromoethane	ND		4.3		ug/m3			04/22/21 10:43	1.114
1,2-Dichlorobenzene	ND		3.3		ug/m3			04/22/21 10:43	1.114
1,2-Dichloroethane	ND		2.3		ug/m3			04/22/21 10:43	1.114
1,2-Dichloropropane	ND		2.6		ug/m3			04/22/21 10:43	1.114
1,3,5-Trimethylbenzene	ND		2.7		ug/m3			04/22/21 10:43	1.114
1,3-Dichlorobenzene	ND		3.3		ug/m3			04/22/21 10:43	1.114
1,4-Dichlorobenzene	ND		3.3		ug/m3			04/22/21 10:43	1.114
2-Butanone	**4.9**		4.9		ug/m3			04/22/21 10:43	1.114
2-Hexanone	ND		6.8		ug/m3			04/22/21 10:43	1.114
4-Ethyltoluene	ND		2.7		ug/m3			04/22/21 10:43	1.114
4-Methyl-2-pentanone	ND		6.8		ug/m3			04/22/21 10:43	1.114
Acetone	**25**		5.3		ug/m3			04/22/21 10:43	1.114
Benzene	ND		1.8		ug/m3			04/22/21 10:43	1.114
Benzyl chloride	ND		8.7		ug/m3			04/22/21 10:43	1.114
Bromodichloromethane	ND		3.7		ug/m3			04/22/21 10:43	1.114
Bromoform	ND		5.8		ug/m3			04/22/21 10:43	1.114
Bromomethane	ND		2.2		ug/m3			04/22/21 10:43	1.114
cis-1,2-Dichloroethene	ND		2.2		ug/m3			04/22/21 10:43	1.114
cis-1,3-Dichloropropene	ND		2.5		ug/m3			04/22/21 10:43	1.114
Carbon disulfide	ND		6.9		ug/m3			04/22/21 10:43	1.114
Carbon tetrachloride	ND		3.5		ug/m3			04/22/21 10:43	1.114
Chlorobenzene	ND		2.6		ug/m3			04/22/21 10:43	1.114
Chloroethane	ND		1.5		ug/m3			04/22/21 10:43	1.114
Chloroform	ND		2.7		ug/m3			04/22/21 10:43	1.114
Chloromethane	ND		1.2		ug/m3			04/22/21 10:43	1.114
Dibromochloromethane	ND		4.7		ug/m3			04/22/21 10:43	1.114
Dichlorodifluoromethane	ND		2.8		ug/m3			04/22/21 10:43	1.114
Dichlorotetrafluoroethane	ND		16		ug/m3			04/22/21 10:43	1.114
Ethylbenzene	ND		2.4		ug/m3			04/22/21 10:43	1.114
Hexachloro-1,3-butadiene	ND		18		ug/m3			04/22/21 10:43	1.114
Isopropanol	ND		14		ug/m3			04/22/21 10:43	1.114
Methylene Chloride	ND		19		ug/m3			04/22/21 10:43	1.114
Methyl-t-Butyl Ether (MTBE)	ND		8.0		ug/m3			04/22/21 10:43	1.114
n-Butylbenzene	ND		9.2		ug/m3			04/22/21 10:43	1.114
o-Xylene	ND		2.4		ug/m3			04/22/21 10:43	1.114
m,p-Xylene	ND		9.7		ug/m3			04/22/21 10:43	1.114
sec-Butylbenzene	ND		9.2		ug/m3			04/22/21 10:43	1.114
Styrene	ND		7.1		ug/m3			04/22/21 10:43	1.114

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: MC-SV-12_15
Lab Sample ID: 570-56905-21
Date Collected: 04/19/21 13:43
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		2.2		ug/m3			04/22/21 10:43	1.114
trans-1,3-Dichloropropene	ND		5.1		ug/m3			04/22/21 10:43	1.114
tert-Butylbenzene	ND		9.2		ug/m3			04/22/21 10:43	1.114
Tetrachloroethene	ND		3.8		ug/m3			04/22/21 10:43	1.114
Di-isopropyl ether (DIPE)	ND		9.3		ug/m3			04/22/21 10:43	1.114
Toluene	ND		2.1		ug/m3			04/22/21 10:43	1.114
Ethanol	**18**		10		ug/m3			04/22/21 10:43	1.114
Trichloroethene	ND		3.0		ug/m3			04/22/21 10:43	1.114
Trichlorofluoromethane	ND		6.3		ug/m3			04/22/21 10:43	1.114
Vinyl acetate	ND		7.8		ug/m3			04/22/21 10:43	1.114
Vinyl chloride	ND		1.4		ug/m3			04/22/21 10:43	1.114
Ethyl-t-butyl ether (ETBE)	ND		9.3		ug/m3			04/22/21 10:43	1.114
Tert-amyl methyl ether	ND		9.3		ug/m3			04/22/21 10:43	1.114
tert-Butyl alcohol (TBA)	ND		6.8		ug/m3			04/22/21 10:43	1.114

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*04/22/21 10:43*	*1.114*
4-Bromofluorobenzene (Surr)	*101*		*67 - 131*		*04/22/21 10:43*	*1.114*
Toluene-d8 (Surr)	*99*		*70 - 130*		*04/22/21 10:43*	*1.114*

Client Sample ID: DUP_MC-SV-6_15
Lab Sample ID: 570-56905-22
Date Collected: 04/19/21 10:40
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.3		ug/m3			04/22/21 11:39	1.227
1,1,2,2-Tetrachloroethane	ND		8.4		ug/m3			04/22/21 11:39	1.227
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		14		ug/m3			04/22/21 11:39	1.227
1,1,2-Trichloroethane	ND		3.3		ug/m3			04/22/21 11:39	1.227
1,1-Dichloroethane	ND		2.5		ug/m3			04/22/21 11:39	1.227
1,1-Dichloroethene	ND		2.4		ug/m3			04/22/21 11:39	1.227
1,1-Difluoroethane	ND		6.6		ug/m3			04/22/21 11:39	1.227
1,2,4-Trichlorobenzene	ND		18		ug/m3			04/22/21 11:39	1.227
1,2,4-Trimethylbenzene	ND		9.0		ug/m3			04/22/21 11:39	1.227
1,2-Dibromo-3-Chloropropane	ND		18		ug/m3			04/22/21 11:39	1.227
1,2-Dibromoethane	ND		4.7		ug/m3			04/22/21 11:39	1.227
1,2-Dichlorobenzene	ND		3.7		ug/m3			04/22/21 11:39	1.227
1,2-Dichloroethane	ND		2.5		ug/m3			04/22/21 11:39	1.227
1,2-Dichloropropane	ND		2.8		ug/m3			04/22/21 11:39	1.227
1,3,5-Trimethylbenzene	ND		3.0		ug/m3			04/22/21 11:39	1.227
1,3-Dichlorobenzene	ND		3.7		ug/m3			04/22/21 11:39	1.227
1,4-Dichlorobenzene	ND		3.7		ug/m3			04/22/21 11:39	1.227
2-Butanone	ND		5.4		ug/m3			04/22/21 11:39	1.227
2-Hexanone	ND		7.5		ug/m3			04/22/21 11:39	1.227
4-Ethyltoluene	ND		3.0		ug/m3			04/22/21 11:39	1.227
4-Methyl-2-pentanone	ND		7.5		ug/m3			04/22/21 11:39	1.227
Acetone	**20**		5.8		ug/m3			04/22/21 11:39	1.227
Benzene	ND		2.0		ug/m3			04/22/21 11:39	1.227
Benzyl chloride	ND		9.5		ug/m3			04/22/21 11:39	1.227

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: DUP_MC-SV-6_15
Lab Sample ID: 570-56905-22
Date Collected: 04/19/21 10:40
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		4.1		ug/m3			04/22/21 11:39	1.227
Bromoform	ND		6.3		ug/m3			04/22/21 11:39	1.227
Bromomethane	ND		2.4		ug/m3			04/22/21 11:39	1.227
cis-1,2-Dichloroethene	ND		2.4		ug/m3			04/22/21 11:39	1.227
cis-1,3-Dichloropropene	ND		2.8		ug/m3			04/22/21 11:39	1.227
Carbon disulfide	ND		7.6		ug/m3			04/22/21 11:39	1.227
Carbon tetrachloride	ND		3.9		ug/m3			04/22/21 11:39	1.227
Chlorobenzene	ND		2.8		ug/m3			04/22/21 11:39	1.227
Chloroethane	ND		1.6		ug/m3			04/22/21 11:39	1.227
Chloroform	ND		3.0		ug/m3			04/22/21 11:39	1.227
Chloromethane	ND		1.3		ug/m3			04/22/21 11:39	1.227
Dibromochloromethane	ND		5.2		ug/m3			04/22/21 11:39	1.227
Dichlorodifluoromethane	ND		3.0		ug/m3			04/22/21 11:39	1.227
Dichlorotetrafluoroethane	ND		17		ug/m3			04/22/21 11:39	1.227
Ethylbenzene	ND		2.7		ug/m3			04/22/21 11:39	1.227
Hexachloro-1,3-butadiene	ND		20		ug/m3			04/22/21 11:39	1.227
Isopropanol	**31**		15		ug/m3			04/22/21 11:39	1.227
Methylene Chloride	ND		21		ug/m3			04/22/21 11:39	1.227
Methyl-t-Butyl Ether (MTBE)	ND		8.8		ug/m3			04/22/21 11:39	1.227
n-Butylbenzene	ND		10		ug/m3			04/22/21 11:39	1.227
o-Xylene	ND		2.7		ug/m3			04/22/21 11:39	1.227
m,p-Xylene	ND		11		ug/m3			04/22/21 11:39	1.227
sec-Butylbenzene	ND		10		ug/m3			04/22/21 11:39	1.227
Styrene	ND		7.8		ug/m3			04/22/21 11:39	1.227
trans-1,2-Dichloroethene	ND		2.4		ug/m3			04/22/21 11:39	1.227
trans-1,3-Dichloropropene	ND		5.6		ug/m3			04/22/21 11:39	1.227
tert-Butylbenzene	ND		10		ug/m3			04/22/21 11:39	1.227
Tetrachloroethene	**9.7**		4.2		ug/m3			04/22/21 11:39	1.227
Di-isopropyl ether (DIPE)	ND		10		ug/m3			04/22/21 11:39	1.227
Toluene	**4.7**		2.3		ug/m3			04/22/21 11:39	1.227
Ethanol	**37**		12		ug/m3			04/22/21 11:39	1.227
Trichloroethene	ND		3.3		ug/m3			04/22/21 11:39	1.227
Trichlorofluoromethane	**73**		6.9		ug/m3			04/22/21 11:39	1.227
Vinyl acetate	ND		8.6		ug/m3			04/22/21 11:39	1.227
Vinyl chloride	ND		1.6		ug/m3			04/22/21 11:39	1.227
Ethyl-t-butyl ether (ETBE)	ND		10		ug/m3			04/22/21 11:39	1.227
Tert-amyl methyl ether	ND		10		ug/m3			04/22/21 11:39	1.227
tert-Butyl alcohol (TBA)	ND		7.4		ug/m3			04/22/21 11:39	1.227

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*04/22/21 11:39*	*1.227*
4-Bromofluorobenzene (Surr)	*106*		*67 - 131*		*04/22/21 11:39*	*1.227*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/22/21 11:39*	*1.227*

Method: TO-15 - Volatile Organic Compounds in Ambient Air - RA

Client Sample ID: MC-SV-6_5
Lab Sample ID: 570-56905-7
Date Collected: 04/19/21 10:34
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.2		ug/m3			04/23/21 15:01	1.54
1,1,2,2-Tetrachloroethane	ND		11		ug/m3			04/23/21 15:01	1.54
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		18		ug/m3			04/23/21 15:01	1.54
1,1,2-Trichloroethane	ND		4.2		ug/m3			04/23/21 15:01	1.54
1,1-Dichloroethane	ND		3.1		ug/m3			04/23/21 15:01	1.54
1,1-Dichloroethene	ND		3.1		ug/m3			04/23/21 15:01	1.54
1,1-Difluoroethane	ND		8.3		ug/m3			04/23/21 15:01	1.54
1,2,4-Trichlorobenzene	ND		23		ug/m3			04/23/21 15:01	1.54
1,2,4-Trimethylbenzene	ND		11		ug/m3			04/23/21 15:01	1.54
1,2-Dibromo-3-Chloropropane	ND		22		ug/m3			04/23/21 15:01	1.54
1,2-Dibromoethane	ND		5.9		ug/m3			04/23/21 15:01	1.54
1,2-Dichlorobenzene	ND		4.6		ug/m3			04/23/21 15:01	1.54
1,2-Dichloroethane	ND		3.1		ug/m3			04/23/21 15:01	1.54
1,2-Dichloropropane	ND		3.6		ug/m3			04/23/21 15:01	1.54
1,3,5-Trimethylbenzene	ND		3.8		ug/m3			04/23/21 15:01	1.54
1,3-Dichlorobenzene	ND		4.6		ug/m3			04/23/21 15:01	1.54
1,4-Dichlorobenzene	ND		4.6		ug/m3			04/23/21 15:01	1.54
2-Butanone	**7.9**		6.8		ug/m3			04/23/21 15:01	1.54
2-Hexanone	ND		9.5		ug/m3			04/23/21 15:01	1.54
4-Ethyltoluene	ND		3.8		ug/m3			04/23/21 15:01	1.54
4-Methyl-2-pentanone	ND		9.5		ug/m3			04/23/21 15:01	1.54
Acetone	**20**		7.3		ug/m3			04/23/21 15:01	1.54
Benzene	ND		2.5		ug/m3			04/23/21 15:01	1.54
Benzyl chloride	ND		12		ug/m3			04/23/21 15:01	1.54
Bromodichloromethane	ND		5.2		ug/m3			04/23/21 15:01	1.54
Bromoform	ND		8.0		ug/m3			04/23/21 15:01	1.54
Bromomethane	ND		3.0		ug/m3			04/23/21 15:01	1.54
cis-1,2-Dichloroethene	ND		3.1		ug/m3			04/23/21 15:01	1.54
cis-1,3-Dichloropropene	ND		3.5		ug/m3			04/23/21 15:01	1.54
Carbon disulfide	ND		9.6		ug/m3			04/23/21 15:01	1.54
Carbon tetrachloride	ND		4.8		ug/m3			04/23/21 15:01	1.54
Chlorobenzene	ND		3.5		ug/m3			04/23/21 15:01	1.54
Chloroethane	ND		2.0		ug/m3			04/23/21 15:01	1.54
Chloroform	ND		3.8		ug/m3			04/23/21 15:01	1.54
Chloromethane	ND		1.6		ug/m3			04/23/21 15:01	1.54
Dibromochloromethane	ND		6.6		ug/m3			04/23/21 15:01	1.54
Dichlorodifluoromethane	ND		3.8		ug/m3			04/23/21 15:01	1.54
Dichlorotetrafluoroethane	ND		22		ug/m3			04/23/21 15:01	1.54
Ethylbenzene	ND		3.3		ug/m3			04/23/21 15:01	1.54
Hexachloro-1,3-butadiene	ND		25		ug/m3			04/23/21 15:01	1.54
Isopropanol	**24**		19		ug/m3			04/23/21 15:01	1.54
Methylene Chloride	ND		27		ug/m3			04/23/21 15:01	1.54
Methyl-t-Butyl Ether (MTBE)	ND		11		ug/m3			04/23/21 15:01	1.54
n-Butylbenzene	ND		13		ug/m3			04/23/21 15:01	1.54
o-Xylene	ND		3.3		ug/m3			04/23/21 15:01	1.54
m,p-Xylene	ND		13		ug/m3			04/23/21 15:01	1.54
sec-Butylbenzene	ND		13		ug/m3			04/23/21 15:01	1.54
Styrene	ND		9.8		ug/m3			04/23/21 15:01	1.54

Method: TO-15 - Volatile Organic Compounds in Ambient Air - RA (Continued)

Client Sample ID: MC-SV-6_5
Date Collected: 04/19/21 10:34
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Lab Sample ID: 570-56905-7
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		3.1		ug/m3			04/23/21 15:01	1.54
trans-1,3-Dichloropropene	ND		7.0		ug/m3			04/23/21 15:01	1.54
tert-Butylbenzene	ND		13		ug/m3			04/23/21 15:01	1.54
Tetrachloroethene	**5.8**		5.2		ug/m3			04/23/21 15:01	1.54
Di-isopropyl ether (DIPE)	ND		13		ug/m3			04/23/21 15:01	1.54
Toluene	ND		2.9		ug/m3			04/23/21 15:01	1.54
Ethanol	**35**		15		ug/m3			04/23/21 15:01	1.54
Trichloroethene	ND		4.1		ug/m3			04/23/21 15:01	1.54
Trichlorofluoromethane	**43**		8.7		ug/m3			04/23/21 15:01	1.54
Vinyl acetate	ND		11		ug/m3			04/23/21 15:01	1.54
Vinyl chloride	ND		2.0		ug/m3			04/23/21 15:01	1.54
Ethyl-t-butyl ether (ETBE)	ND		13		ug/m3			04/23/21 15:01	1.54
Tert-amyl methyl ether	ND		13		ug/m3			04/23/21 15:01	1.54
tert-Butyl alcohol (TBA)	ND		9.3		ug/m3			04/23/21 15:01	1.54

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*04/23/21 15:01*	*1.54*
4-Bromofluorobenzene (Surr)	*102*		*67 - 131*		*04/23/21 15:01*	*1.54*
Toluene-d8 (Surr)	*98*		*70 - 130*		*04/23/21 15:01*	*1.54*

Client Sample ID: MC-SV-8_15
Date Collected: 04/19/21 12:37
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Lab Sample ID: 570-56905-12
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		7.0		ug/m3			04/22/21 22:20	2.55
1,1,2,2-Tetrachloroethane	ND		18		ug/m3			04/22/21 22:20	2.55
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		29		ug/m3			04/22/21 22:20	2.55
1,1,2-Trichloroethane	ND		7.0		ug/m3			04/22/21 22:20	2.55
1,1-Dichloroethane	ND		5.2		ug/m3			04/22/21 22:20	2.55
1,1-Dichloroethene	ND		5.1		ug/m3			04/22/21 22:20	2.55
1,1-Difluoroethane	ND		14		ug/m3			04/22/21 22:20	2.55
1,2,4-Trichlorobenzene	ND		38		ug/m3			04/22/21 22:20	2.55
1,2,4-Trimethylbenzene	ND		19		ug/m3			04/22/21 22:20	2.55
1,2-Dibromo-3-Chloropropane	ND		37		ug/m3			04/22/21 22:20	2.55
1,2-Dibromoethane	ND		9.8		ug/m3			04/22/21 22:20	2.55
1,2-Dichlorobenzene	ND		7.7		ug/m3			04/22/21 22:20	2.55
1,2-Dichloroethane	ND		5.2		ug/m3			04/22/21 22:20	2.55
1,2-Dichloropropane	ND		5.9		ug/m3			04/22/21 22:20	2.55
1,3,5-Trimethylbenzene	ND		6.3		ug/m3			04/22/21 22:20	2.55
1,3-Dichlorobenzene	ND		7.7		ug/m3			04/22/21 22:20	2.55
1,4-Dichlorobenzene	ND		7.7		ug/m3			04/22/21 22:20	2.55
2-Butanone	ND		11		ug/m3			04/22/21 22:20	2.55
2-Hexanone	ND		16		ug/m3			04/22/21 22:20	2.55
4-Ethyltoluene	ND		6.3		ug/m3			04/22/21 22:20	2.55
4-Methyl-2-pentanone	ND		16		ug/m3			04/22/21 22:20	2.55
Acetone	**26**		12		ug/m3			04/22/21 22:20	2.55
Benzene	ND		4.1		ug/m3			04/22/21 22:20	2.55
Benzyl chloride	ND		20		ug/m3			04/22/21 22:20	2.55

Method: TO-15 - Volatile Organic Compounds in Ambient Air - RA (Continued)

Client Sample ID: MC-SV-8_15
Lab Sample ID: 570-56905-12
Date Collected: 04/19/21 12:37
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		8.5		ug/m3			04/22/21 22:20	2.55
Bromoform	ND		13		ug/m3			04/22/21 22:20	2.55
Bromomethane	ND		5.0		ug/m3			04/22/21 22:20	2.55
cis-1,2-Dichloroethene	ND		5.1		ug/m3			04/22/21 22:20	2.55
cis-1,3-Dichloropropene	ND		5.8		ug/m3			04/22/21 22:20	2.55
Carbon disulfide	ND		16		ug/m3			04/22/21 22:20	2.55
Carbon tetrachloride	ND		8.0		ug/m3			04/22/21 22:20	2.55
Chlorobenzene	ND		5.9		ug/m3			04/22/21 22:20	2.55
Chloroethane	ND		3.4		ug/m3			04/22/21 22:20	2.55
Chloroform	ND		6.2		ug/m3			04/22/21 22:20	2.55
Chloromethane	ND		2.6		ug/m3			04/22/21 22:20	2.55
Dibromochloromethane	ND		11		ug/m3			04/22/21 22:20	2.55
Dichlorodifluoromethane	ND		6.3		ug/m3			04/22/21 22:20	2.55
Dichlorotetrafluoroethane	ND		36		ug/m3			04/22/21 22:20	2.55
Ethylbenzene	ND		5.5		ug/m3			04/22/21 22:20	2.55
Hexachloro-1,3-butadiene	ND		41		ug/m3			04/22/21 22:20	2.55
Isopropanol	ND		31		ug/m3			04/22/21 22:20	2.55
Methylene Chloride	ND		44		ug/m3			04/22/21 22:20	2.55
Methyl-t-Butyl Ether (MTBE)	ND		18		ug/m3			04/22/21 22:20	2.55
n-Butylbenzene	ND		21		ug/m3			04/22/21 22:20	2.55
o-Xylene	ND		5.5		ug/m3			04/22/21 22:20	2.55
m,p-Xylene	ND		22		ug/m3			04/22/21 22:20	2.55
sec-Butylbenzene	ND		21		ug/m3			04/22/21 22:20	2.55
Styrene	ND		16		ug/m3			04/22/21 22:20	2.55
trans-1,2-Dichloroethene	ND		5.1		ug/m3			04/22/21 22:20	2.55
trans-1,3-Dichloropropene	ND		12		ug/m3			04/22/21 22:20	2.55
tert-Butylbenzene	ND		21		ug/m3			04/22/21 22:20	2.55
Tetrachloroethene	**15**		8.6		ug/m3			04/22/21 22:20	2.55
Di-isopropyl ether (DIPE)	ND		21		ug/m3			04/22/21 22:20	2.55
Toluene	ND		4.8		ug/m3			04/22/21 22:20	2.55
Ethanol	**48**		24		ug/m3			04/22/21 22:20	2.55
Trichloroethene	ND		6.9		ug/m3			04/22/21 22:20	2.55
Trichlorofluoromethane	**260**		14		ug/m3			04/22/21 22:20	2.55
Vinyl acetate	ND		18		ug/m3			04/22/21 22:20	2.55
Vinyl chloride	ND		3.3		ug/m3			04/22/21 22:20	2.55
Ethyl-t-butyl ether (ETBE)	ND		21		ug/m3			04/22/21 22:20	2.55
Tert-amyl methyl ether	ND		21		ug/m3			04/22/21 22:20	2.55
tert-Butyl alcohol (TBA)	ND		15		ug/m3			04/22/21 22:20	2.55

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*04/22/21 22:20*	*2.55*
4-Bromofluorobenzene (Surr)	*99*		*67 - 131*		*04/22/21 22:20*	*2.55*
Toluene-d8 (Surr)	*97*		*70 - 130*		*04/22/21 22:20*	*2.55*

Method: TO-15 - Volatile Organic Compounds in Ambient Air - RA

Client Sample ID: DUP_MC-SV-4_15
Lab Sample ID: 570-56905-13
Date Collected: 04/19/21 11:18
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.4		ug/m3			04/22/21 23:16	1.99
1,1,2,2-Tetrachloroethane	ND		14		ug/m3			04/22/21 23:16	1.99
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		23		ug/m3			04/22/21 23:16	1.99
1,1,2-Trichloroethane	ND		5.4		ug/m3			04/22/21 23:16	1.99
1,1-Dichloroethane	ND		4.0		ug/m3			04/22/21 23:16	1.99
1,1-Dichloroethene	ND		3.9		ug/m3			04/22/21 23:16	1.99
1,1-Difluoroethane	ND		11		ug/m3			04/22/21 23:16	1.99
1,2,4-Trichlorobenzene	ND		30		ug/m3			04/22/21 23:16	1.99
1,2,4-Trimethylbenzene	ND		15		ug/m3			04/22/21 23:16	1.99
1,2-Dibromo-3-Chloropropane	ND		29		ug/m3			04/22/21 23:16	1.99
1,2-Dibromoethane	ND		7.6		ug/m3			04/22/21 23:16	1.99
1,2-Dichlorobenzene	ND		6.0		ug/m3			04/22/21 23:16	1.99
1,2-Dichloroethane	ND		4.0		ug/m3			04/22/21 23:16	1.99
1,2-Dichloropropane	ND		4.6		ug/m3			04/22/21 23:16	1.99
1,3,5-Trimethylbenzene	ND		4.9		ug/m3			04/22/21 23:16	1.99
1,3-Dichlorobenzene	ND		6.0		ug/m3			04/22/21 23:16	1.99
1,4-Dichlorobenzene	ND		6.0		ug/m3			04/22/21 23:16	1.99
2-Butanone	ND		8.8		ug/m3			04/22/21 23:16	1.99
2-Hexanone	ND		12		ug/m3			04/22/21 23:16	1.99
4-Ethyltoluene	ND		4.9		ug/m3			04/22/21 23:16	1.99
4-Methyl-2-pentanone	ND		12		ug/m3			04/22/21 23:16	1.99
Acetone	**32**		9.5		ug/m3			04/22/21 23:16	1.99
Benzene	ND		3.2		ug/m3			04/22/21 23:16	1.99
Benzyl chloride	ND		15		ug/m3			04/22/21 23:16	1.99
Bromodichloromethane	ND		6.7		ug/m3			04/22/21 23:16	1.99
Bromoform	ND		10		ug/m3			04/22/21 23:16	1.99
Bromomethane	ND		3.9		ug/m3			04/22/21 23:16	1.99
cis-1,2-Dichloroethene	ND		3.9		ug/m3			04/22/21 23:16	1.99
cis-1,3-Dichloropropene	ND		4.5		ug/m3			04/22/21 23:16	1.99
Carbon disulfide	ND		12		ug/m3			04/22/21 23:16	1.99
Carbon tetrachloride	ND		6.3		ug/m3			04/22/21 23:16	1.99
Chlorobenzene	ND		4.6		ug/m3			04/22/21 23:16	1.99
Chloroethane	ND		2.6		ug/m3			04/22/21 23:16	1.99
Chloroform	ND		4.9		ug/m3			04/22/21 23:16	1.99
Chloromethane	ND		2.1		ug/m3			04/22/21 23:16	1.99
Dibromochloromethane	ND		8.5		ug/m3			04/22/21 23:16	1.99
Dichlorodifluoromethane	ND		4.9		ug/m3			04/22/21 23:16	1.99
Dichlorotetrafluoroethane	ND		28		ug/m3			04/22/21 23:16	1.99
Ethylbenzene	ND		4.3		ug/m3			04/22/21 23:16	1.99
Hexachloro-1,3-butadiene	ND		32		ug/m3			04/22/21 23:16	1.99
Isopropanol	**71**		24		ug/m3			04/22/21 23:16	1.99
Methylene Chloride	ND		35		ug/m3			04/22/21 23:16	1.99
Methyl-t-Butyl Ether (MTBE)	ND		14		ug/m3			04/22/21 23:16	1.99
n-Butylbenzene	ND		16		ug/m3			04/22/21 23:16	1.99
o-Xylene	**5.3**		4.3		ug/m3			04/22/21 23:16	1.99
m,p-Xylene	ND		17		ug/m3			04/22/21 23:16	1.99
sec-Butylbenzene	ND		16		ug/m3			04/22/21 23:16	1.99
Styrene	ND		13		ug/m3			04/22/21 23:16	1.99

Method: TO-15 - Volatile Organic Compounds in Ambient Air - RA (Continued)

Client Sample ID: DUP_MC-SV-4_15
Lab Sample ID: 570-56905-13
Date Collected: 04/19/21 11:18
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		3.9		ug/m3			04/22/21 23:16	1.99
trans-1,3-Dichloropropene	ND		9.0		ug/m3			04/22/21 23:16	1.99
tert-Butylbenzene	ND		16		ug/m3			04/22/21 23:16	1.99
Tetrachloroethene	**14**		6.7		ug/m3			04/22/21 23:16	1.99
Di-isopropyl ether (DIPE)	ND		17		ug/m3			04/22/21 23:16	1.99
Toluene	**8.8**		3.7		ug/m3			04/22/21 23:16	1.99
Ethanol	**100**		19		ug/m3			04/22/21 23:16	1.99
Trichloroethene	ND		5.3		ug/m3			04/22/21 23:16	1.99
Trichlorofluoromethane	**190**		11		ug/m3			04/22/21 23:16	1.99
Vinyl acetate	ND		14		ug/m3			04/22/21 23:16	1.99
Vinyl chloride	ND		2.5		ug/m3			04/22/21 23:16	1.99
Ethyl-t-butyl ether (ETBE)	ND		17		ug/m3			04/22/21 23:16	1.99
Tert-amyl methyl ether	ND		17		ug/m3			04/22/21 23:16	1.99
tert-Butyl alcohol (TBA)	**14**		12		ug/m3			04/22/21 23:16	1.99

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*04/22/21 23:16*	*1.99*
4-Bromofluorobenzene (Surr)	*104*		*67 - 131*		*04/22/21 23:16*	*1.99*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/22/21 23:16*	*1.99*

Client Sample ID: MC-SV-9_5
Lab Sample ID: 570-56905-14
Date Collected: 04/19/21 13:09
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.7		ug/m3			04/23/21 00:13	2.08
1,1,2,2-Tetrachloroethane	ND		14		ug/m3			04/23/21 00:13	2.08
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		24		ug/m3			04/23/21 00:13	2.08
1,1,2-Trichloroethane	ND		5.7		ug/m3			04/23/21 00:13	2.08
1,1-Dichloroethane	ND		4.2		ug/m3			04/23/21 00:13	2.08
1,1-Dichloroethene	ND		4.1		ug/m3			04/23/21 00:13	2.08
1,1-Difluoroethane	ND		11		ug/m3			04/23/21 00:13	2.08
1,2,4-Trichlorobenzene	ND		31		ug/m3			04/23/21 00:13	2.08
1,2,4-Trimethylbenzene	ND		15		ug/m3			04/23/21 00:13	2.08
1,2-Dibromo-3-Chloropropane	ND		30		ug/m3			04/23/21 00:13	2.08
1,2-Dibromoethane	ND		8.0		ug/m3			04/23/21 00:13	2.08
1,2-Dichlorobenzene	ND		6.3		ug/m3			04/23/21 00:13	2.08
1,2-Dichloroethane	ND		4.2		ug/m3			04/23/21 00:13	2.08
1,2-Dichloropropane	ND		4.8		ug/m3			04/23/21 00:13	2.08
1,3,5-Trimethylbenzene	ND		5.1		ug/m3			04/23/21 00:13	2.08
1,3-Dichlorobenzene	ND		6.3		ug/m3			04/23/21 00:13	2.08
1,4-Dichlorobenzene	ND		6.3		ug/m3			04/23/21 00:13	2.08
2-Butanone	ND		9.2		ug/m3			04/23/21 00:13	2.08
2-Hexanone	ND		13		ug/m3			04/23/21 00:13	2.08
4-Ethyltoluene	ND		5.1		ug/m3			04/23/21 00:13	2.08
4-Methyl-2-pentanone	ND		13		ug/m3			04/23/21 00:13	2.08
Acetone	**34**		9.9		ug/m3			04/23/21 00:13	2.08
Benzene	ND		3.3		ug/m3			04/23/21 00:13	2.08
Benzyl chloride	ND		16		ug/m3			04/23/21 00:13	2.08

Method: TO-15 - Volatile Organic Compounds in Ambient Air - RA (Continued)

Client Sample ID: MC-SV-9_5
Lab Sample ID: 570-56905-14
Date Collected: 04/19/21 13:09
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		7.0		ug/m3			04/23/21 00:13	2.08
Bromoform	ND		11		ug/m3			04/23/21 00:13	2.08
Bromomethane	ND		4.0		ug/m3			04/23/21 00:13	2.08
cis-1,2-Dichloroethene	ND		4.1		ug/m3			04/23/21 00:13	2.08
cis-1,3-Dichloropropene	ND		4.7		ug/m3			04/23/21 00:13	2.08
Carbon disulfide	ND		13		ug/m3			04/23/21 00:13	2.08
Carbon tetrachloride	ND		6.5		ug/m3			04/23/21 00:13	2.08
Chlorobenzene	ND		4.8		ug/m3			04/23/21 00:13	2.08
Chloroethane	ND		2.7		ug/m3			04/23/21 00:13	2.08
Chloroform	ND		5.1		ug/m3			04/23/21 00:13	2.08
Chloromethane	ND		2.1		ug/m3			04/23/21 00:13	2.08
Dibromochloromethane	ND		8.9		ug/m3			04/23/21 00:13	2.08
Dichlorodifluoromethane	ND		5.1		ug/m3			04/23/21 00:13	2.08
Dichlorotetrafluoroethane	ND		29		ug/m3			04/23/21 00:13	2.08
Ethylbenzene	ND		4.5		ug/m3			04/23/21 00:13	2.08
Hexachloro-1,3-butadiene	ND		33		ug/m3			04/23/21 00:13	2.08
Isopropanol	**42**		26		ug/m3			04/23/21 00:13	2.08
Methylene Chloride	ND		36		ug/m3			04/23/21 00:13	2.08
Methyl-t-Butyl Ether (MTBE)	ND		15		ug/m3			04/23/21 00:13	2.08
n-Butylbenzene	ND		17		ug/m3			04/23/21 00:13	2.08
o-Xylene	ND		4.5		ug/m3			04/23/21 00:13	2.08
m,p-Xylene	ND		18		ug/m3			04/23/21 00:13	2.08
sec-Butylbenzene	ND		17		ug/m3			04/23/21 00:13	2.08
Styrene	ND		13		ug/m3			04/23/21 00:13	2.08
trans-1,2-Dichloroethene	ND		4.1		ug/m3			04/23/21 00:13	2.08
trans-1,3-Dichloropropene	ND		9.4		ug/m3			04/23/21 00:13	2.08
tert-Butylbenzene	ND		17		ug/m3			04/23/21 00:13	2.08
Tetrachloroethene	ND		7.1		ug/m3			04/23/21 00:13	2.08
Di-isopropyl ether (DIPE)	ND		17		ug/m3			04/23/21 00:13	2.08
Toluene	ND		3.9		ug/m3			04/23/21 00:13	2.08
Ethanol	**27**		20		ug/m3			04/23/21 00:13	2.08
Trichloroethene	ND		5.6		ug/m3			04/23/21 00:13	2.08
Trichlorofluoromethane	ND		12		ug/m3			04/23/21 00:13	2.08
Vinyl acetate	ND		15		ug/m3			04/23/21 00:13	2.08
Vinyl chloride	ND		2.7		ug/m3			04/23/21 00:13	2.08
Ethyl-t-butyl ether (ETBE)	ND		17		ug/m3			04/23/21 00:13	2.08
Tert-amyl methyl ether	ND		17		ug/m3			04/23/21 00:13	2.08
tert-Butyl alcohol (TBA)	ND		13		ug/m3			04/23/21 00:13	2.08

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*04/23/21 00:13*	*2.08*
4-Bromofluorobenzene (Surr)	*103*		*67 - 131*		*04/23/21 00:13*	*2.08*
Toluene-d8 (Surr)	*99*		*70 - 130*		*04/23/21 00:13*	*2.08*

Method: TO-15 - Volatile Organic Compounds in Ambient Air - RA

Client Sample ID: MC-SV-9_15
Lab Sample ID: 570-56905-15
Date Collected: 04/19/21 13:10
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.3		ug/m3			04/23/21 01:08	1.94
1,1,2,2-Tetrachloroethane	ND		13		ug/m3			04/23/21 01:08	1.94
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		22		ug/m3			04/23/21 01:08	1.94
1,1,2-Trichloroethane	ND		5.3		ug/m3			04/23/21 01:08	1.94
1,1-Dichloroethane	ND		3.9		ug/m3			04/23/21 01:08	1.94
1,1-Dichloroethene	ND		3.8		ug/m3			04/23/21 01:08	1.94
1,1-Difluoroethane	ND		10		ug/m3			04/23/21 01:08	1.94
1,2,4-Trichlorobenzene	ND		29		ug/m3			04/23/21 01:08	1.94
1,2,4-Trimethylbenzene	ND		14		ug/m3			04/23/21 01:08	1.94
1,2-Dibromo-3-Chloropropane	ND		28		ug/m3			04/23/21 01:08	1.94
1,2-Dibromoethane	ND		7.5		ug/m3			04/23/21 01:08	1.94
1,2-Dichlorobenzene	ND		5.8		ug/m3			04/23/21 01:08	1.94
1,2-Dichloroethane	ND		3.9		ug/m3			04/23/21 01:08	1.94
1,2-Dichloropropane	ND		4.5		ug/m3			04/23/21 01:08	1.94
1,3,5-Trimethylbenzene	ND		4.8		ug/m3			04/23/21 01:08	1.94
1,3-Dichlorobenzene	ND		5.8		ug/m3			04/23/21 01:08	1.94
1,4-Dichlorobenzene	ND		5.8		ug/m3			04/23/21 01:08	1.94
2-Butanone	ND		8.6		ug/m3			04/23/21 01:08	1.94
2-Hexanone	ND		12		ug/m3			04/23/21 01:08	1.94
4-Ethyltoluene	ND		4.8		ug/m3			04/23/21 01:08	1.94
4-Methyl-2-pentanone	ND		12		ug/m3			04/23/21 01:08	1.94
Acetone	**28**		9.2		ug/m3			04/23/21 01:08	1.94
Benzene	ND		3.1		ug/m3			04/23/21 01:08	1.94
Benzyl chloride	ND		15		ug/m3			04/23/21 01:08	1.94
Bromodichloromethane	ND		6.5		ug/m3			04/23/21 01:08	1.94
Bromoform	ND		10		ug/m3			04/23/21 01:08	1.94
Bromomethane	ND		3.8		ug/m3			04/23/21 01:08	1.94
cis-1,2-Dichloroethene	ND		3.8		ug/m3			04/23/21 01:08	1.94
cis-1,3-Dichloropropene	ND		4.4		ug/m3			04/23/21 01:08	1.94
Carbon disulfide	ND		12		ug/m3			04/23/21 01:08	1.94
Carbon tetrachloride	ND		6.1		ug/m3			04/23/21 01:08	1.94
Chlorobenzene	ND		4.5		ug/m3			04/23/21 01:08	1.94
Chloroethane	ND		2.6		ug/m3			04/23/21 01:08	1.94
Chloroform	**6.7**		4.7		ug/m3			04/23/21 01:08	1.94
Chloromethane	ND		2.0		ug/m3			04/23/21 01:08	1.94
Dibromochloromethane	ND		8.3		ug/m3			04/23/21 01:08	1.94
Dichlorodifluoromethane	ND		4.8		ug/m3			04/23/21 01:08	1.94
Dichlorotetrafluoroethane	ND		27		ug/m3			04/23/21 01:08	1.94
Ethylbenzene	ND		4.2		ug/m3			04/23/21 01:08	1.94
Hexachloro-1,3-butadiene	ND		31		ug/m3			04/23/21 01:08	1.94
Isopropanol	**46**		24		ug/m3			04/23/21 01:08	1.94
Methylene Chloride	ND		34		ug/m3			04/23/21 01:08	1.94
Methyl-t-Butyl Ether (MTBE)	ND		14		ug/m3			04/23/21 01:08	1.94
n-Butylbenzene	ND		16		ug/m3			04/23/21 01:08	1.94
o-Xylene	ND		4.2		ug/m3			04/23/21 01:08	1.94
m,p-Xylene	ND		17		ug/m3			04/23/21 01:08	1.94
sec-Butylbenzene	ND		16		ug/m3			04/23/21 01:08	1.94
Styrene	ND		12		ug/m3			04/23/21 01:08	1.94

Method: TO-15 - Volatile Organic Compounds in Ambient Air - RA (Continued)

Client Sample ID: MC-SV-9_15
Date Collected: 04/19/21 13:10
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Lab Sample ID: 570-56905-15
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		3.8		ug/m3			04/23/21 01:08	1.94
trans-1,3-Dichloropropene	ND		8.8		ug/m3			04/23/21 01:08	1.94
tert-Butylbenzene	ND		16		ug/m3			04/23/21 01:08	1.94
Tetrachloroethene	ND		6.6		ug/m3			04/23/21 01:08	1.94
Di-isopropyl ether (DIPE)	ND		16		ug/m3			04/23/21 01:08	1.94
Toluene	ND		3.7		ug/m3			04/23/21 01:08	1.94
Ethanol	**41**		18		ug/m3			04/23/21 01:08	1.94
Trichloroethene	ND		5.2		ug/m3			04/23/21 01:08	1.94
Trichlorofluoromethane	**54**		11		ug/m3			04/23/21 01:08	1.94
Vinyl acetate	ND		14		ug/m3			04/23/21 01:08	1.94
Vinyl chloride	ND		2.5		ug/m3			04/23/21 01:08	1.94
Ethyl-t-butyl ether (ETBE)	ND		16		ug/m3			04/23/21 01:08	1.94
Tert-amyl methyl ether	ND		16		ug/m3			04/23/21 01:08	1.94
tert-Butyl alcohol (TBA)	ND		12		ug/m3			04/23/21 01:08	1.94

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*04/23/21 01:08*	*1.94*
4-Bromofluorobenzene (Surr)	*103*		*67 - 131*		*04/23/21 01:08*	*1.94*
Toluene-d8 (Surr)	*101*		*70 - 130*		*04/23/21 01:08*	*1.94*

Client Sample ID: MC-SV-10_5
Date Collected: 04/19/21 08:30
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Lab Sample ID: 570-56905-16
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.6		ug/m3			04/23/21 02:04	1.31
1,1,2,2-Tetrachloroethane	ND		9.0		ug/m3			04/23/21 02:04	1.31
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15		ug/m3			04/23/21 02:04	1.31
1,1,2-Trichloroethane	ND		3.6		ug/m3			04/23/21 02:04	1.31
1,1-Dichloroethane	ND		2.7		ug/m3			04/23/21 02:04	1.31
1,1-Dichloroethene	ND		2.6		ug/m3			04/23/21 02:04	1.31
1,1-Difluoroethane	ND		7.1		ug/m3			04/23/21 02:04	1.31
1,2,4-Trichlorobenzene	ND		19		ug/m3			04/23/21 02:04	1.31
1,2,4-Trimethylbenzene	ND		9.7		ug/m3			04/23/21 02:04	1.31
1,2-Dibromo-3-Chloropropane	ND		19		ug/m3			04/23/21 02:04	1.31
1,2-Dibromoethane	ND		5.0		ug/m3			04/23/21 02:04	1.31
1,2-Dichlorobenzene	ND		3.9		ug/m3			04/23/21 02:04	1.31
1,2-Dichloroethane	ND		2.7		ug/m3			04/23/21 02:04	1.31
1,2-Dichloropropane	ND		3.0		ug/m3			04/23/21 02:04	1.31
1,3,5-Trimethylbenzene	ND		3.2		ug/m3			04/23/21 02:04	1.31
1,3-Dichlorobenzene	ND		3.9		ug/m3			04/23/21 02:04	1.31
1,4-Dichlorobenzene	ND		3.9		ug/m3			04/23/21 02:04	1.31
2-Butanone	**11**		5.8		ug/m3			04/23/21 02:04	1.31
2-Hexanone	ND		8.1		ug/m3			04/23/21 02:04	1.31
4-Ethyltoluene	ND		3.2		ug/m3			04/23/21 02:04	1.31
4-Methyl-2-pentanone	ND		8.0		ug/m3			04/23/21 02:04	1.31
Acetone	**26**		6.2		ug/m3			04/23/21 02:04	1.31
Benzene	ND		2.1		ug/m3			04/23/21 02:04	1.31
Benzyl chloride	ND		10		ug/m3			04/23/21 02:04	1.31

Method: TO-15 - Volatile Organic Compounds in Ambient Air - RA (Continued)

Client Sample ID: MC-SV-10_5
Lab Sample ID: 570-56905-16
Date Collected: 04/19/21 08:30
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		4.4		ug/m3			04/23/21 02:04	1.31
Bromoform	ND		6.8		ug/m3			04/23/21 02:04	1.31
Bromomethane	ND		2.5		ug/m3			04/23/21 02:04	1.31
cis-1,2-Dichloroethene	ND		2.6		ug/m3			04/23/21 02:04	1.31
cis-1,3-Dichloropropene	ND		3.0		ug/m3			04/23/21 02:04	1.31
Carbon disulfide	ND		8.2		ug/m3			04/23/21 02:04	1.31
Carbon tetrachloride	ND		4.1		ug/m3			04/23/21 02:04	1.31
Chlorobenzene	ND		3.0		ug/m3			04/23/21 02:04	1.31
Chloroethane	ND		1.7		ug/m3			04/23/21 02:04	1.31
Chloroform	ND		3.2		ug/m3			04/23/21 02:04	1.31
Chloromethane	ND		1.4		ug/m3			04/23/21 02:04	1.31
Dibromochloromethane	ND		5.6		ug/m3			04/23/21 02:04	1.31
Dichlorodifluoromethane	ND		3.2		ug/m3			04/23/21 02:04	1.31
Dichlorotetrafluoroethane	ND		18		ug/m3			04/23/21 02:04	1.31
Ethylbenzene	ND		2.8		ug/m3			04/23/21 02:04	1.31
Hexachloro-1,3-butadiene	ND		21		ug/m3			04/23/21 02:04	1.31
Isopropanol	**24**		16		ug/m3			04/23/21 02:04	1.31
Methylene Chloride	ND		23		ug/m3			04/23/21 02:04	1.31
Methyl-t-Butyl Ether (MTBE)	ND		9.4		ug/m3			04/23/21 02:04	1.31
n-Butylbenzene	ND		11		ug/m3			04/23/21 02:04	1.31
o-Xylene	ND		2.8		ug/m3			04/23/21 02:04	1.31
m,p-Xylene	ND		11		ug/m3			04/23/21 02:04	1.31
sec-Butylbenzene	ND		11		ug/m3			04/23/21 02:04	1.31
Styrene	ND		8.4		ug/m3			04/23/21 02:04	1.31
trans-1,2-Dichloroethene	ND		2.6		ug/m3			04/23/21 02:04	1.31
trans-1,3-Dichloropropene	ND		5.9		ug/m3			04/23/21 02:04	1.31
tert-Butylbenzene	ND		11		ug/m3			04/23/21 02:04	1.31
Tetrachloroethene	**410**		4.4		ug/m3			04/23/21 02:04	1.31
Di-isopropyl ether (DIPE)	ND		11		ug/m3			04/23/21 02:04	1.31
Toluene	**5.9**		2.5		ug/m3			04/23/21 02:04	1.31
Ethanol	**40**		12		ug/m3			04/23/21 02:04	1.31
Trichloroethene	**65**		3.5		ug/m3			04/23/21 02:04	1.31
Trichlorofluoromethane	ND		7.4		ug/m3			04/23/21 02:04	1.31
Vinyl acetate	ND		9.2		ug/m3			04/23/21 02:04	1.31
Vinyl chloride	ND		1.7		ug/m3			04/23/21 02:04	1.31
Ethyl-t-butyl ether (ETBE)	ND		11		ug/m3			04/23/21 02:04	1.31
Tert-amyl methyl ether	ND		11		ug/m3			04/23/21 02:04	1.31
tert-Butyl alcohol (TBA)	ND		7.9		ug/m3			04/23/21 02:04	1.31

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*04/23/21 02:04*	*1.31*
4-Bromofluorobenzene (Surr)	*102*		*67 - 131*		*04/23/21 02:04*	*1.31*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/23/21 02:04*	*1.31*

Method: TO-15 - Volatile Organic Compounds in Ambient Air - RA

Client Sample ID: MC-SV-10_15
Lab Sample ID: 570-56905-17
Date Collected: 04/19/21 08:31
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.4		ug/m3			04/23/21 02:59	1.98
1,1,2,2-Tetrachloroethane	ND		14		ug/m3			04/23/21 02:59	1.98
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		23		ug/m3			04/23/21 02:59	1.98
1,1,2-Trichloroethane	ND		5.4		ug/m3			04/23/21 02:59	1.98
1,1-Dichloroethane	ND		4.0		ug/m3			04/23/21 02:59	1.98
1,1-Dichloroethene	ND		3.9		ug/m3			04/23/21 02:59	1.98
1,1-Difluoroethane	ND		11		ug/m3			04/23/21 02:59	1.98
1,2,4-Trichlorobenzene	ND		29		ug/m3			04/23/21 02:59	1.98
1,2,4-Trimethylbenzene	ND		15		ug/m3			04/23/21 02:59	1.98
1,2-Dibromo-3-Chloropropane	ND		29		ug/m3			04/23/21 02:59	1.98
1,2-Dibromoethane	ND		7.6		ug/m3			04/23/21 02:59	1.98
1,2-Dichlorobenzene	ND		6.0		ug/m3			04/23/21 02:59	1.98
1,2-Dichloroethane	ND		4.0		ug/m3			04/23/21 02:59	1.98
1,2-Dichloropropane	ND		4.6		ug/m3			04/23/21 02:59	1.98
1,3,5-Trimethylbenzene	ND		4.9		ug/m3			04/23/21 02:59	1.98
1,3-Dichlorobenzene	ND		6.0		ug/m3			04/23/21 02:59	1.98
1,4-Dichlorobenzene	ND		6.0		ug/m3			04/23/21 02:59	1.98
2-Butanone	ND		8.8		ug/m3			04/23/21 02:59	1.98
2-Hexanone	ND		12		ug/m3			04/23/21 02:59	1.98
4-Ethyltoluene	ND		4.9		ug/m3			04/23/21 02:59	1.98
4-Methyl-2-pentanone	ND		12		ug/m3			04/23/21 02:59	1.98
Acetone	**13**		9.4		ug/m3			04/23/21 02:59	1.98
Benzene	ND		3.2		ug/m3			04/23/21 02:59	1.98
Benzyl chloride	ND		15		ug/m3			04/23/21 02:59	1.98
Bromodichloromethane	ND		6.6		ug/m3			04/23/21 02:59	1.98
Bromoform	ND		10		ug/m3			04/23/21 02:59	1.98
Bromomethane	ND		3.8		ug/m3			04/23/21 02:59	1.98
cis-1,2-Dichloroethene	ND		3.9		ug/m3			04/23/21 02:59	1.98
cis-1,3-Dichloropropene	ND		4.5		ug/m3			04/23/21 02:59	1.98
Carbon disulfide	ND		12		ug/m3			04/23/21 02:59	1.98
Carbon tetrachloride	ND		6.2		ug/m3			04/23/21 02:59	1.98
Chlorobenzene	ND		4.6		ug/m3			04/23/21 02:59	1.98
Chloroethane	ND		2.6		ug/m3			04/23/21 02:59	1.98
Chloroform	ND		4.8		ug/m3			04/23/21 02:59	1.98
Chloromethane	ND		2.0		ug/m3			04/23/21 02:59	1.98
Dibromochloromethane	ND		8.4		ug/m3			04/23/21 02:59	1.98
Dichlorodifluoromethane	ND		4.9		ug/m3			04/23/21 02:59	1.98
Dichlorotetrafluoroethane	ND		28		ug/m3			04/23/21 02:59	1.98
Ethylbenzene	ND		4.3		ug/m3			04/23/21 02:59	1.98
Hexachloro-1,3-butadiene	ND		32		ug/m3			04/23/21 02:59	1.98
Isopropanol	ND		24		ug/m3			04/23/21 02:59	1.98
Methylene Chloride	ND		34		ug/m3			04/23/21 02:59	1.98
Methyl-t-Butyl Ether (MTBE)	ND		14		ug/m3			04/23/21 02:59	1.98
n-Butylbenzene	ND		16		ug/m3			04/23/21 02:59	1.98
o-Xylene	ND		4.3		ug/m3			04/23/21 02:59	1.98
m,p-Xylene	ND		17		ug/m3			04/23/21 02:59	1.98
sec-Butylbenzene	ND		16		ug/m3			04/23/21 02:59	1.98
Styrene	ND		13		ug/m3			04/23/21 02:59	1.98

Method: TO-15 - Volatile Organic Compounds in Ambient Air - RA (Continued)

Client Sample ID: MC-SV-10_15
Date Collected: 04/19/21 08:31
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Lab Sample ID: 570-56905-17
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		3.9		ug/m3			04/23/21 02:59	1.98
trans-1,3-Dichloropropene	ND		9.0		ug/m3			04/23/21 02:59	1.98
tert-Butylbenzene	ND		16		ug/m3			04/23/21 02:59	1.98
Tetrachloroethene	ND		6.7		ug/m3			04/23/21 02:59	1.98
Di-isopropyl ether (DIPE)	ND		17		ug/m3			04/23/21 02:59	1.98
Toluene	**5.5**		3.7		ug/m3			04/23/21 02:59	1.98
Ethanol	**30**		19		ug/m3			04/23/21 02:59	1.98
Trichloroethene	ND		5.3		ug/m3			04/23/21 02:59	1.98
Trichlorofluoromethane	**18**		11		ug/m3			04/23/21 02:59	1.98
Vinyl acetate	ND		14		ug/m3			04/23/21 02:59	1.98
Vinyl chloride	ND		2.5		ug/m3			04/23/21 02:59	1.98
Ethyl-t-butyl ether (ETBE)	ND		17		ug/m3			04/23/21 02:59	1.98
Tert-amyl methyl ether	ND		17		ug/m3			04/23/21 02:59	1.98
tert-Butyl alcohol (TBA)	ND		12		ug/m3			04/23/21 02:59	1.98

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*04/23/21 02:59*	*1.98*
4-Bromofluorobenzene (Surr)	*101*		*67 - 131*		*04/23/21 02:59*	*1.98*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/23/21 02:59*	*1.98*

Client Sample ID: MC-SV-12_5
Date Collected: 04/19/21 13:42
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Lab Sample ID: 570-56905-20
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		7.9		ug/m3			04/23/21 03:57	2.88
1,1,2,2-Tetrachloroethane	ND		20		ug/m3			04/23/21 03:57	2.88
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		33		ug/m3			04/23/21 03:57	2.88
1,1,2-Trichloroethane	ND		7.9		ug/m3			04/23/21 03:57	2.88
1,1-Dichloroethane	ND		5.8		ug/m3			04/23/21 03:57	2.88
1,1-Dichloroethene	ND		5.7		ug/m3			04/23/21 03:57	2.88
1,1-Difluoroethane	ND		16		ug/m3			04/23/21 03:57	2.88
1,2,4-Trichlorobenzene	ND		43		ug/m3			04/23/21 03:57	2.88
1,2,4-Trimethylbenzene	ND		21		ug/m3			04/23/21 03:57	2.88
1,2-Dibromo-3-Chloropropane	ND		42		ug/m3			04/23/21 03:57	2.88
1,2-Dibromoethane	ND		11		ug/m3			04/23/21 03:57	2.88
1,2-Dichlorobenzene	ND		8.7		ug/m3			04/23/21 03:57	2.88
1,2-Dichloroethane	ND		5.8		ug/m3			04/23/21 03:57	2.88
1,2-Dichloropropane	ND		6.7		ug/m3			04/23/21 03:57	2.88
1,3,5-Trimethylbenzene	ND		7.1		ug/m3			04/23/21 03:57	2.88
1,3-Dichlorobenzene	ND		8.7		ug/m3			04/23/21 03:57	2.88
1,4-Dichlorobenzene	ND		8.7		ug/m3			04/23/21 03:57	2.88
2-Butanone	ND		13		ug/m3			04/23/21 03:57	2.88
2-Hexanone	ND		18		ug/m3			04/23/21 03:57	2.88
4-Ethyltoluene	ND		7.1		ug/m3			04/23/21 03:57	2.88
4-Methyl-2-pentanone	ND		18		ug/m3			04/23/21 03:57	2.88
Acetone	**18**		14		ug/m3			04/23/21 03:57	2.88
Benzene	ND		4.6		ug/m3			04/23/21 03:57	2.88
Benzyl chloride	ND		22		ug/m3			04/23/21 03:57	2.88

Method: TO-15 - Volatile Organic Compounds in Ambient Air - RA (Continued)

Client Sample ID: MC-SV-12_5
Lab Sample ID: 570-56905-20
Date Collected: 04/19/21 13:42
Matrix: Air
Date Received: 04/19/21 16:34
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		9.6		ug/m3			04/23/21 03:57	2.88
Bromoform	ND		15		ug/m3			04/23/21 03:57	2.88
Bromomethane	ND		5.6		ug/m3			04/23/21 03:57	2.88
cis-1,2-Dichloroethene	ND		5.7		ug/m3			04/23/21 03:57	2.88
cis-1,3-Dichloropropene	ND		6.5		ug/m3			04/23/21 03:57	2.88
Carbon disulfide	ND		18		ug/m3			04/23/21 03:57	2.88
Carbon tetrachloride	ND		9.1		ug/m3			04/23/21 03:57	2.88
Chlorobenzene	ND		6.6		ug/m3			04/23/21 03:57	2.88
Chloroethane	ND		3.8		ug/m3			04/23/21 03:57	2.88
Chloroform	ND		7.0		ug/m3			04/23/21 03:57	2.88
Chloromethane	ND		3.0		ug/m3			04/23/21 03:57	2.88
Dibromochloromethane	ND		12		ug/m3			04/23/21 03:57	2.88
Dichlorodifluoromethane	ND		7.1		ug/m3			04/23/21 03:57	2.88
Dichlorotetrafluoroethane	ND		40		ug/m3			04/23/21 03:57	2.88
Ethylbenzene	ND		6.3		ug/m3			04/23/21 03:57	2.88
Hexachloro-1,3-butadiene	ND		46		ug/m3			04/23/21 03:57	2.88
Isopropanol	ND		35		ug/m3			04/23/21 03:57	2.88
Methylene Chloride	ND		50		ug/m3			04/23/21 03:57	2.88
Methyl-t-Butyl Ether (MTBE)	ND		21		ug/m3			04/23/21 03:57	2.88
n-Butylbenzene	ND		24		ug/m3			04/23/21 03:57	2.88
o-Xylene	ND		6.3		ug/m3			04/23/21 03:57	2.88
m,p-Xylene	ND		25		ug/m3			04/23/21 03:57	2.88
sec-Butylbenzene	ND		24		ug/m3			04/23/21 03:57	2.88
Styrene	ND		18		ug/m3			04/23/21 03:57	2.88
trans-1,2-Dichloroethene	ND		5.7		ug/m3			04/23/21 03:57	2.88
trans-1,3-Dichloropropene	ND		13		ug/m3			04/23/21 03:57	2.88
tert-Butylbenzene	ND		24		ug/m3			04/23/21 03:57	2.88
Tetrachloroethene	ND		9.8		ug/m3			04/23/21 03:57	2.88
Di-isopropyl ether (DIPE)	ND		24		ug/m3			04/23/21 03:57	2.88
Toluene	ND		5.4		ug/m3			04/23/21 03:57	2.88
Ethanol	**34**		27		ug/m3			04/23/21 03:57	2.88
Trichloroethene	ND		7.7		ug/m3			04/23/21 03:57	2.88
Trichlorofluoromethane	ND		16		ug/m3			04/23/21 03:57	2.88
Vinyl acetate	ND		20		ug/m3			04/23/21 03:57	2.88
Vinyl chloride	ND		3.7		ug/m3			04/23/21 03:57	2.88
Ethyl-t-butyl ether (ETBE)	ND		24		ug/m3			04/23/21 03:57	2.88
Tert-amyl methyl ether	ND		24		ug/m3			04/23/21 03:57	2.88
tert-Butyl alcohol (TBA)	ND		17		ug/m3			04/23/21 03:57	2.88

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*04/23/21 03:57*	*2.88*
4-Bromofluorobenzene (Surr)	*99*		*67 - 131*		*04/23/21 03:57*	*2.88*
Toluene-d8 (Surr)	*101*		*70 - 130*		*04/23/21 03:57*	*2.88*

Surrogate Summary

Client: Avocet Environmental Inc
Project/Site: Fairview Development Center / 1431.005

Job ID: 570-56905-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Matrix: Air

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(70-130)	(67-131)	(70-130)
570-56905-1	MC-SV-1_5	100	105	102
570-56905-2	MC-SV-1_15	105	98	99
570-56905-3	MC-SV-3_5	105	111	90
570-56905-4	MC-SV-3_15	104	113	95
570-56905-5	MC-SV-4_5	105	95	100
570-56905-6	MC-SV-4_15	106	107	100
570-56905-7 - RA	MC-SV-6_5	105	102	98
570-56905-8	MC-SV-6_15	107	106	101
570-56905-9	MC-SV-7_5	102	101	97
570-56905-10	MC-SV-7_15	101	103	98
570-56905-11	MC-SV-8_5	103	101	97
570-56905-12 - RA	MC-SV-8_15	103	99	97
570-56905-13 - RA	DUP_MC-SV-4_15	106	104	100
570-56905-14 - RA	MC-SV-9_5	103	103	99
570-56905-15 - RA	MC-SV-9_15	106	103	101
570-56905-16 - RA	MC-SV-10_5	106	102	100
570-56905-17 - RA	MC-SV-10_15	107	101	100
570-56905-18	MC-SV-11_5	99	104	96
570-56905-19	MC-SV-11_15	113	102	93
570-56905-20 - RA	MC-SV-12_5	107	99	101
570-56905-21	MC-SV-12_15	103	101	99
570-56905-22	DUP_MC-SV-6_15	101	106	96
LCS 570-144606/3	Lab Control Sample	99	99	103
LCS 570-145168/1009	Lab Control Sample	92	95	100
LCS 570-145546/3	Lab Control Sample	101	107	103
LCS 570-145574/3	Lab Control Sample	97	98	102
LCSD 570-144606/4	Lab Control Sample Dup	98	98	102
LCSD 570-145168/10	Lab Control Sample Dup	91	98	99
LCSD 570-145546/4	Lab Control Sample Dup	101	107	103
LCSD 570-145574/4	Lab Control Sample Dup	96	98	101
MB 570-144606/6	Method Blank	101	98	96
MB 570-145168/14	Method Blank	94	96	96
MB 570-145546/6	Method Blank	101	91	100
MB 570-145574/6	Method Blank	101	99	99

Surrogate Legend

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

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 570-144606/6
Matrix: Air
Analysis Batch: 144606

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7		ug/m3			04/20/21 17:23	1
1,1,2,2-Tetrachloroethane	ND		6.9		ug/m3			04/20/21 17:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11		ug/m3			04/20/21 17:23	1
1,1,2-Trichloroethane	ND		2.7		ug/m3			04/20/21 17:23	1
1,1-Dichloroethane	ND		2.0		ug/m3			04/20/21 17:23	1
1,1-Dichloroethene	ND		2.0		ug/m3			04/20/21 17:23	1
1,1-Difluoroethane	ND		5.4		ug/m3			04/20/21 17:23	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			04/20/21 17:23	1
1,2,4-Trimethylbenzene	ND		7.4		ug/m3			04/20/21 17:23	1
1,2-Dibromo-3-Chloropropane	ND		14		ug/m3			04/20/21 17:23	1
1,2-Dibromoethane	ND		3.8		ug/m3			04/20/21 17:23	1
1,2-Dichlorobenzene	ND		3.0		ug/m3			04/20/21 17:23	1
1,2-Dichloroethane	ND		2.0		ug/m3			04/20/21 17:23	1
1,2-Dichloropropane	ND		2.3		ug/m3			04/20/21 17:23	1
1,3,5-Trimethylbenzene	ND		2.5		ug/m3			04/20/21 17:23	1
1,3-Dichlorobenzene	ND		3.0		ug/m3			04/20/21 17:23	1
1,4-Dichlorobenzene	ND		3.0		ug/m3			04/20/21 17:23	1
2-Butanone	ND		4.4		ug/m3			04/20/21 17:23	1
2-Hexanone	ND		6.1		ug/m3			04/20/21 17:23	1
4-Ethyltoluene	ND		2.5		ug/m3			04/20/21 17:23	1
4-Methyl-2-pentanone	ND		6.1		ug/m3			04/20/21 17:23	1
Acetone	ND		4.8		ug/m3			04/20/21 17:23	1
Benzene	ND		1.6		ug/m3			04/20/21 17:23	1
Benzyl chloride	ND		7.8		ug/m3			04/20/21 17:23	1
Bromodichloromethane	ND		3.4		ug/m3			04/20/21 17:23	1
Bromoform	ND		5.2		ug/m3			04/20/21 17:23	1
Bromomethane	ND		1.9		ug/m3			04/20/21 17:23	1
cis-1,2-Dichloroethene	ND		2.0		ug/m3			04/20/21 17:23	1
cis-1,3-Dichloropropene	ND		2.3		ug/m3			04/20/21 17:23	1
Carbon disulfide	ND		6.2		ug/m3			04/20/21 17:23	1
Carbon tetrachloride	ND		3.1		ug/m3			04/20/21 17:23	1
Chlorobenzene	ND		2.3		ug/m3			04/20/21 17:23	1
Chloroethane	ND		1.3		ug/m3			04/20/21 17:23	1
Chloroform	ND		2.4		ug/m3			04/20/21 17:23	1
Chloromethane	ND		1.0		ug/m3			04/20/21 17:23	1
Dibromochloromethane	ND		4.3		ug/m3			04/20/21 17:23	1
Dichlorodifluoromethane	ND		2.5		ug/m3			04/20/21 17:23	1
Dichlorotetrafluoroethane	ND		14		ug/m3			04/20/21 17:23	1
Ethylbenzene	ND		2.2		ug/m3			04/20/21 17:23	1
Hexachloro-1,3-butadiene	ND		16		ug/m3			04/20/21 17:23	1
Isopropanol	ND		12		ug/m3			04/20/21 17:23	1
Methylene Chloride	ND		17		ug/m3			04/20/21 17:23	1
Methyl-t-Butyl Ether (MTBE)	ND		7.2		ug/m3			04/20/21 17:23	1
n-Butylbenzene	ND		8.2		ug/m3			04/20/21 17:23	1
o-Xylene	ND		2.2		ug/m3			04/20/21 17:23	1
m,p-Xylene	ND		8.7		ug/m3			04/20/21 17:23	1
sec-Butylbenzene	ND		8.2		ug/m3			04/20/21 17:23	1
Styrene	ND		6.4		ug/m3			04/20/21 17:23	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 570-144606/6
Matrix: Air
Analysis Batch: 144606

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		2.0		ug/m3			04/20/21 17:23	1
trans-1,3-Dichloropropene	ND		4.5		ug/m3			04/20/21 17:23	1
tert-Butylbenzene	ND		8.2		ug/m3			04/20/21 17:23	1
Tetrachloroethene	ND		3.4		ug/m3			04/20/21 17:23	1
Di-isopropyl ether (DIPE)	ND		8.4		ug/m3			04/20/21 17:23	1
Toluene	ND		1.9		ug/m3			04/20/21 17:23	1
Ethanol	ND		9.4		ug/m3			04/20/21 17:23	1
Trichloroethene	ND		2.7		ug/m3			04/20/21 17:23	1
Trichlorofluoromethane	ND		5.6		ug/m3			04/20/21 17:23	1
Vinyl acetate	ND		7.0		ug/m3			04/20/21 17:23	1
Vinyl chloride	ND		1.3		ug/m3			04/20/21 17:23	1
Ethyl-t-butyl ether (ETBE)	ND		8.4		ug/m3			04/20/21 17:23	1
Tert-amyl methyl ether	ND		8.4		ug/m3			04/20/21 17:23	1
tert-Butyl alcohol (TBA)	ND		6.1		ug/m3			04/20/21 17:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*04/20/21 17:23*	*1*
4-Bromofluorobenzene (Surr)	*98*		*67 - 131*		*04/20/21 17:23*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/20/21 17:23*	*1*

Lab Sample ID: LCS 570-144606/3
Matrix: Air
Analysis Batch: 144606

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	136	136.7		ug/m3		100	70 - 137
1,1,2,2-Tetrachloroethane	172	151.3		ug/m3		88	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	192	185.8		ug/m3		97	70 - 130
1,1,2-Trichloroethane	136	132.9		ug/m3		97	70 - 130
1,1-Dichloroethane	101	101.8		ug/m3		101	70 - 131
1,1-Dichloroethene	99.1	81.03		ug/m3		82	70 - 130
1,1-Difluoroethane	67.5	61.28		ug/m3		91	60 - 130
1,2,4-Trichlorobenzene	186	153.7		ug/m3		83	56 - 130
1,2,4-Trimethylbenzene	123	108.7		ug/m3		88	70 - 130
1,2-Dibromo-3-Chloropropane	242	201.4		ug/m3		83	68 - 130
1,2-Dibromoethane	192	177.8		ug/m3		93	70 - 130
1,2-Dichlorobenzene	150	135.8		ug/m3		90	70 - 130
1,2-Dichloroethane	101	101.2		ug/m3		100	70 - 134
1,2-Dichloropropane	116	111.6		ug/m3		97	70 - 130
1,3,5-Trimethylbenzene	123	108.3		ug/m3		88	70 - 130
1,3-Dichlorobenzene	150	133.7		ug/m3		89	69 - 132
1,4-Dichlorobenzene	150	133.2		ug/m3		89	67 - 132
2-Butanone	73.7	76.41		ug/m3		104	64 - 143
2-Hexanone	102	93.89		ug/m3		92	59 - 140
4-Ethyltoluene	123	109.0		ug/m3		89	70 - 130
4-Methyl-2-pentanone	102	98.47		ug/m3		96	64 - 133
Acetone	59.4	56.05		ug/m3		94	69 - 146
Benzene	79.9	82.72		ug/m3		104	70 - 133

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 570-144606/3
Matrix: Air
Analysis Batch: 144606

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzyl chloride	129	111.2		ug/m3		86	63 - 130
Bromodichloromethane	168	165.6		ug/m3		99	70 - 130
Bromoform	258	263.2		ug/m3		102	70 - 132
Bromomethane	97.1	89.54		ug/m3		92	70 - 137
cis-1,2-Dichloroethene	99.1	99.41		ug/m3		100	70 - 130
cis-1,3-Dichloropropene	113	113.0		ug/m3		100	70 - 130
Carbon disulfide	77.9	72.79		ug/m3		93	70 - 150
Carbon tetrachloride	157	154.8		ug/m3		98	70 - 130
Chlorobenzene	115	103.2		ug/m3		90	70 - 130
Chloroethane	66.0	59.47		ug/m3		90	70 - 137
Chloroform	122	116.3		ug/m3		95	70 - 132
Chloromethane	51.6	47.04		ug/m3		91	65 - 142
Dibromochloromethane	213	195.9		ug/m3		92	70 - 130
Dichlorodifluoromethane	124	119.9		ug/m3		97	70 - 142
Dichlorotetrafluoroethane	175	161.3		ug/m3		92	70 - 137
Ethylbenzene	109	99.67		ug/m3		92	70 - 130
Hexachloro-1,3-butadiene	267	236.5		ug/m3		89	55 - 130
Isopropanol	61.5	52.60		ug/m3		86	60 - 130
Methylene Chloride	86.8	81.24		ug/m3		94	70 - 130
Methyl-t-Butyl Ether (MTBE)	90.1	90.21		ug/m3		100	70 - 132
n-Butylbenzene	137	111.4		ug/m3		81	70 - 130
o-Xylene	109	101.4		ug/m3		93	70 - 130
m,p-Xylene	217	202.5		ug/m3		93	70 - 130
sec-Butylbenzene	137	110.5		ug/m3		81	70 - 130
Styrene	106	98.17		ug/m3		92	70 - 130
trans-1,2-Dichloroethene	99.1	98.77		ug/m3		100	70 - 140
trans-1,3-Dichloropropene	113	112.2		ug/m3		99	70 - 130
tert-Butylbenzene	137	114.6		ug/m3		83	70 - 130
Tetrachloroethene	170	156.1		ug/m3		92	70 - 130
Di-isopropyl ether (DIPE)	104	92.67		ug/m3		89	64 - 130
Toluene	94.2	90.98		ug/m3		97	70 - 130
Ethanol	188	160.6		ug/m3		85	56 - 130
Trichloroethene	134	126.3		ug/m3		94	70 - 130
Trichlorofluoromethane	140	133.6		ug/m3		95	70 - 143
Vinyl acetate	88.0	90.25		ug/m3		103	67 - 138
Vinyl chloride	63.9	56.76		ug/m3		89	70 - 133
Ethyl-t-butyl ether (ETBE)	104	94.28		ug/m3		90	70 - 130
Tert-amyl methyl ether	104	92.26		ug/m3		88	70 - 130
tert-Butyl alcohol (TBA)	152	117.7		ug/m3		78	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*99*		*67 - 131*
Toluene-d8 (Surr)	*103*		*70 - 130*

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 570-144606/4
Matrix: Air
Analysis Batch: 144606

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	136	138.2		ug/m3		101	70 - 137	1	25
1,1,2,2-Tetrachloroethane	172	151.3		ug/m3		88	70 - 130	0	25
1,1,2-Trichloro-1,2,2-trifluoroethane	192	187.3		ug/m3		98	70 - 130	1	25
1,1,2-Trichloroethane	136	132.3		ug/m3		97	70 - 130	0	25
1,1-Dichloroethane	101	101.7		ug/m3		100	70 - 131	0	25
1,1-Dichloroethene	99.1	81.80		ug/m3		83	70 - 130	1	25
1,1-Difluoroethane	67.5	60.13		ug/m3		89	60 - 130	2	25
1,2,4-Trichlorobenzene	186	153.9		ug/m3		83	56 - 130	0	25
1,2,4-Trimethylbenzene	123	109.5		ug/m3		89	70 - 130	1	25
1,2-Dibromo-3-Chloropropane	242	201.3		ug/m3		83	68 - 130	0	25
1,2-Dibromoethane	192	180.5		ug/m3		94	70 - 130	2	25
1,2-Dichlorobenzene	150	134.5		ug/m3		89	70 - 130	1	25
1,2-Dichloroethane	101	100.7		ug/m3		100	70 - 134	1	25
1,2-Dichloropropane	116	112.7		ug/m3		98	70 - 130	1	25
1,3,5-Trimethylbenzene	123	109.0		ug/m3		89	70 - 130	1	25
1,3-Dichlorobenzene	150	134.5		ug/m3		89	69 - 132	1	25
1,4-Dichlorobenzene	150	134.2		ug/m3		89	67 - 132	1	25
2-Butanone	73.7	77.39		ug/m3		105	64 - 143	1	25
2-Hexanone	102	95.09		ug/m3		93	59 - 140	1	25
4-Ethyltoluene	123	108.7		ug/m3		88	70 - 130	0	25
4-Methyl-2-pentanone	102	99.73		ug/m3		97	64 - 133	1	25
Acetone	59.4	55.73		ug/m3		94	69 - 146	1	25
Benzene	79.9	83.58		ug/m3		105	70 - 133	1	25
Benzyl chloride	129	111.3		ug/m3		86	63 - 130	0	25
Bromodichloromethane	168	166.2		ug/m3		99	70 - 130	0	25
Bromoform	258	261.5		ug/m3		101	70 - 132	1	25
Bromomethane	97.1	89.53		ug/m3		92	70 - 137	0	25
cis-1,2-Dichloroethene	99.1	102.0		ug/m3		103	70 - 130	3	25
cis-1,3-Dichloropropene	113	113.1		ug/m3		100	70 - 130	0	25
Carbon disulfide	77.9	73.93		ug/m3		95	70 - 150	2	25
Carbon tetrachloride	157	154.6		ug/m3		98	70 - 130	0	25
Chlorobenzene	115	103.4		ug/m3		90	70 - 130	0	25
Chloroethane	66.0	59.30		ug/m3		90	70 - 137	0	25
Chloroform	122	117.0		ug/m3		96	70 - 132	1	25
Chloromethane	51.6	46.80		ug/m3		91	65 - 142	0	25
Dibromochloromethane	213	197.4		ug/m3		93	70 - 130	1	25
Dichlorodifluoromethane	124	117.4		ug/m3		95	70 - 142	2	25
Dichlorotetrafluoroethane	175	159.6		ug/m3		91	70 - 137	1	25
Ethylbenzene	109	100.7		ug/m3		93	70 - 130	1	25
Hexachloro-1,3-butadiene	267	236.7		ug/m3		89	55 - 130	0	25
Isopropanol	61.5	53.92		ug/m3		88	60 - 130	2	25
Methylene Chloride	86.8	65.68		ug/m3		76	70 - 130	21	25
Methyl-t-Butyl Ether (MTBE)	90.1	90.71		ug/m3		101	70 - 132	1	25
n-Butylbenzene	137	110.7		ug/m3		81	70 - 130	1	25
o-Xylene	109	101.3		ug/m3		93	70 - 130	0	25
m,p-Xylene	217	201.0		ug/m3		93	70 - 130	1	25
sec-Butylbenzene	137	111.2		ug/m3		81	70 - 130	1	25
Styrene	106	97.51		ug/m3		92	70 - 130	1	25

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 570-144606/4
Matrix: Air
Analysis Batch: 144606

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
trans-1,2-Dichloroethene			99.1	99.65		ug/m3		101	70 - 140	1	25
trans-1,3-Dichloropropene			113	111.9		ug/m3		99	70 - 130	0	25
tert-Butylbenzene			137	115.2		ug/m3		84	70 - 130	1	25
Tetrachloroethene			170	156.9		ug/m3		93	70 - 130	1	25
Di-isopropyl ether (DIPE)			104	94.40		ug/m3		90	64 - 130	2	25
Toluene			94.2	92.19		ug/m3		98	70 - 130	1	25
Ethanol			188	163.4		ug/m3		87	56 - 130	2	25
Trichloroethene			134	127.0		ug/m3		95	70 - 130	1	25
Trichlorofluoromethane			140	133.4		ug/m3		95	70 - 143	0	25
Vinyl acetate			88.0	90.76		ug/m3		103	67 - 138	1	25
Vinyl chloride			63.9	56.78		ug/m3		89	70 - 133	0	25
Ethyl-t-butyl ether (ETBE)			104	95.63		ug/m3		92	70 - 130	1	25
Tert-amyl methyl ether			104	93.51		ug/m3		90	70 - 130	1	25
tert-Butyl alcohol (TBA)			152	116.2		ug/m3		77	70 - 130	1	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*67 - 131*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 570-145168/14
Matrix: Air
Analysis Batch: 145168

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7		ug/m3			04/22/21 03:35	1
1,1,2,2-Tetrachloroethane	ND		6.9		ug/m3			04/22/21 03:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11		ug/m3			04/22/21 03:35	1
1,1,2-Trichloroethane	ND		2.7		ug/m3			04/22/21 03:35	1
1,1-Dichloroethane	ND		2.0		ug/m3			04/22/21 03:35	1
1,1-Dichloroethene	ND		2.0		ug/m3			04/22/21 03:35	1
1,1-Difluoroethane	ND		5.4		ug/m3			04/22/21 03:35	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			04/22/21 03:35	1
1,2,4-Trimethylbenzene	ND		7.4		ug/m3			04/22/21 03:35	1
1,2-Dibromo-3-Chloropropane	ND		14		ug/m3			04/22/21 03:35	1
1,2-Dibromoethane	ND		3.8		ug/m3			04/22/21 03:35	1
1,2-Dichlorobenzene	ND		3.0		ug/m3			04/22/21 03:35	1
1,2-Dichloroethane	ND		2.0		ug/m3			04/22/21 03:35	1
1,2-Dichloropropane	ND		2.3		ug/m3			04/22/21 03:35	1
1,3,5-Trimethylbenzene	ND		2.5		ug/m3			04/22/21 03:35	1
1,3-Dichlorobenzene	ND		3.0		ug/m3			04/22/21 03:35	1
1,4-Dichlorobenzene	ND		3.0		ug/m3			04/22/21 03:35	1
2-Butanone	ND		4.4		ug/m3			04/22/21 03:35	1
2-Hexanone	ND		6.1		ug/m3			04/22/21 03:35	1
4-Ethyltoluene	ND		2.5		ug/m3			04/22/21 03:35	1
4-Methyl-2-pentanone	ND		6.1		ug/m3			04/22/21 03:35	1
Acetone	ND		4.8		ug/m3			04/22/21 03:35	1
Benzene	ND		1.6		ug/m3			04/22/21 03:35	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 570-145168/14
Matrix: Air
Analysis Batch: 145168

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		7.8		ug/m3			04/22/21 03:35	1
Bromodichloromethane	ND		3.4		ug/m3			04/22/21 03:35	1
Bromoform	ND		5.2		ug/m3			04/22/21 03:35	1
Bromomethane	ND		1.9		ug/m3			04/22/21 03:35	1
cis-1,2-Dichloroethene	ND		2.0		ug/m3			04/22/21 03:35	1
cis-1,3-Dichloropropene	ND		2.3		ug/m3			04/22/21 03:35	1
Carbon disulfide	ND		6.2		ug/m3			04/22/21 03:35	1
Carbon tetrachloride	ND		3.1		ug/m3			04/22/21 03:35	1
Chlorobenzene	ND		2.3		ug/m3			04/22/21 03:35	1
Chloroethane	ND		1.3		ug/m3			04/22/21 03:35	1
Chloroform	ND		2.4		ug/m3			04/22/21 03:35	1
Chloromethane	ND		1.0		ug/m3			04/22/21 03:35	1
Dibromochloromethane	ND		4.3		ug/m3			04/22/21 03:35	1
Dichlorodifluoromethane	ND		2.5		ug/m3			04/22/21 03:35	1
Dichlorotetrafluoroethane	ND		14		ug/m3			04/22/21 03:35	1
Ethylbenzene	ND		2.2		ug/m3			04/22/21 03:35	1
Hexachloro-1,3-butadiene	ND		16		ug/m3			04/22/21 03:35	1
Isopropanol	ND		12		ug/m3			04/22/21 03:35	1
Methylene Chloride	ND		17		ug/m3			04/22/21 03:35	1
Methyl-t-Butyl Ether (MTBE)	ND		7.2		ug/m3			04/22/21 03:35	1
n-Butylbenzene	ND		8.2		ug/m3			04/22/21 03:35	1
o-Xylene	ND		2.2		ug/m3			04/22/21 03:35	1
m,p-Xylene	ND		8.7		ug/m3			04/22/21 03:35	1
sec-Butylbenzene	ND		8.2		ug/m3			04/22/21 03:35	1
Styrene	ND		6.4		ug/m3			04/22/21 03:35	1
trans-1,2-Dichloroethene	ND		2.0		ug/m3			04/22/21 03:35	1
trans-1,3-Dichloropropene	ND		4.5		ug/m3			04/22/21 03:35	1
tert-Butylbenzene	ND		8.2		ug/m3			04/22/21 03:35	1
Tetrachloroethene	ND		3.4		ug/m3			04/22/21 03:35	1
Di-isopropyl ether (DIPE)	ND		8.4		ug/m3			04/22/21 03:35	1
Toluene	ND		1.9		ug/m3			04/22/21 03:35	1
Ethanol	ND		9.4		ug/m3			04/22/21 03:35	1
Trichloroethene	ND		2.7		ug/m3			04/22/21 03:35	1
Trichlorofluoromethane	ND		5.6		ug/m3			04/22/21 03:35	1
Vinyl acetate	ND		7.0		ug/m3			04/22/21 03:35	1
Vinyl chloride	ND		1.3		ug/m3			04/22/21 03:35	1
Ethyl-t-butyl ether (ETBE)	ND		8.4		ug/m3			04/22/21 03:35	1
Tert-amyl methyl ether	ND		8.4		ug/m3			04/22/21 03:35	1
tert-Butyl alcohol (TBA)	ND		6.1		ug/m3			04/22/21 03:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*04/22/21 03:35*	*1*
4-Bromofluorobenzene (Surr)	*96*		*67 - 131*		*04/22/21 03:35*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/22/21 03:35*	*1*

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 570-145168/1009
Matrix: Air
Analysis Batch: 145168

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	136	135.7		ug/m3		100	70 - 137
1,1,2,2-Tetrachloroethane	172	181.8		ug/m3		106	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	192	179.8		ug/m3		94	70 - 130
1,1,2-Trichloroethane	136	148.8		ug/m3		109	70 - 130
1,1-Dichloroethane	101	102.8		ug/m3		102	70 - 131
1,1-Dichloroethene	99.1	103.1		ug/m3		104	70 - 130
1,1-Difluoroethane	67.5	63.68		ug/m3		94	60 - 130
1,2,4-Trichlorobenzene	186	165.8		ug/m3		89	56 - 130
1,2,4-Trimethylbenzene	123	117.9		ug/m3		96	70 - 130
1,2-Dibromo-3-Chloropropane	242	224.3		ug/m3		93	68 - 130
1,2-Dibromoethane	192	213.0		ug/m3		111	70 - 130
1,2-Dichlorobenzene	150	148.1		ug/m3		99	70 - 130
1,2-Dichloroethane	101	100.6		ug/m3		99	70 - 134
1,2-Dichloropropane	116	131.1		ug/m3		113	70 - 130
1,3,5-Trimethylbenzene	123	126.4		ug/m3		103	70 - 130
1,3-Dichlorobenzene	150	146.7		ug/m3		98	69 - 132
1,4-Dichlorobenzene	150	147.2		ug/m3		98	67 - 132
2-Butanone	73.7	80.73		ug/m3		109	64 - 143
2-Hexanone	102	115.2		ug/m3		112	59 - 140
4-Ethyltoluene	123	129.5		ug/m3		105	70 - 130
4-Methyl-2-pentanone	102	112.1		ug/m3		109	64 - 133
Acetone	59.4	61.04		ug/m3		103	69 - 146
Benzene	79.9	97.96		ug/m3		123	70 - 133
Benzyl chloride	129	122.9		ug/m3		95	63 - 130
Bromodichloromethane	168	182.5		ug/m3		109	70 - 130
Bromoform	258	272.3		ug/m3		105	70 - 132
Bromomethane	97.1	95.88		ug/m3		99	70 - 137
cis-1,2-Dichloroethene	99.1	110.0		ug/m3		111	70 - 130
cis-1,3-Dichloropropene	113	130.4		ug/m3		115	70 - 130
Carbon disulfide	77.9	72.04		ug/m3		93	70 - 150
Carbon tetrachloride	157	157.9		ug/m3		100	70 - 130
Chlorobenzene	115	124.9		ug/m3		109	70 - 130
Chloroethane	66.0	69.35		ug/m3		105	70 - 137
Chloroform	122	121.8		ug/m3		100	70 - 132
Chloromethane	51.6	53.65		ug/m3		104	65 - 142
Dibromochloromethane	213	220.3		ug/m3		103	70 - 130
Dichlorodifluoromethane	124	114.9		ug/m3		93	70 - 142
Dichlorotetrafluoroethane	175	163.4		ug/m3		93	70 - 137
Ethylbenzene	109	123.4		ug/m3		114	70 - 130
Hexachloro-1,3-butadiene	267	234.1		ug/m3		88	55 - 130
Isopropanol	61.5	57.76		ug/m3		94	60 - 130
Methylene Chloride	86.8	88.39		ug/m3		102	70 - 130
Methyl-t-Butyl Ether (MTBE)	90.1	96.99		ug/m3		108	70 - 132
n-Butylbenzene	137	127.1		ug/m3		93	70 - 130
o-Xylene	109	120.9		ug/m3		111	70 - 130
m,p-Xylene	217	237.2		ug/m3		109	70 - 130
sec-Butylbenzene	137	124.3		ug/m3		91	70 - 130
Styrene	106	117.1		ug/m3		110	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 570-145168/1009
Matrix: Air
Analysis Batch: 145168

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	99.1	102.2		ug/m3		103	70 - 140
trans-1,3-Dichloropropene	113	131.5		ug/m3		116	70 - 130
tert-Butylbenzene	137	125.0		ug/m3		91	70 - 130
Tetrachloroethene	170	174.2		ug/m3		103	70 - 130
Di-isopropyl ether (DIPE)	104	104.5		ug/m3		100	64 - 130
Toluene	94.2	109.4		ug/m3		116	70 - 130
Ethanol	188	186.9		ug/m3		99	56 - 130
Trichloroethene	134	147.2		ug/m3		110	70 - 130
Trichlorofluoromethane	140	122.8		ug/m3		87	70 - 143
Vinyl acetate	88.0	92.85		ug/m3		105	67 - 138
Vinyl chloride	63.9	63.34		ug/m3		99	70 - 133
Ethyl-t-butyl ether (ETBE)	104	103.2		ug/m3		99	70 - 130
Tert-amyl methyl ether	104	107.3		ug/m3		103	70 - 130
tert-Butyl alcohol (TBA)	152	145.1		ug/m3		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*
4-Bromofluorobenzene (Surr)	*95*		*67 - 131*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 570-145168/10
Matrix: Air
Analysis Batch: 145168

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	136	138.1		ug/m3		101	70 - 137	2	25
1,1,2,2-Tetrachloroethane	172	181.1		ug/m3		106	70 - 130	0	25
1,1,2-Trichloro-1,2,2-trifluoroethane	192	200.4		ug/m3		105	70 - 130	11	25
1,1,2-Trichloroethane	136	154.5		ug/m3		113	70 - 130	4	25
1,1-Dichloroethane	101	111.8		ug/m3		111	70 - 131	8	25
1,1-Dichloroethene	99.1	113.4		ug/m3		114	70 - 130	10	25
1,1-Difluoroethane	67.5	63.61		ug/m3		94	60 - 130	0	25
1,2,4-Trichlorobenzene	186	172.5		ug/m3		93	56 - 130	4	25
1,2,4-Trimethylbenzene	123	124.2		ug/m3		101	70 - 130	5	25
1,2-Dibromo-3-Chloropropane	242	228.2		ug/m3		94	68 - 130	2	25
1,2-Dibromoethane	192	214.9		ug/m3		112	70 - 130	1	25
1,2-Dichlorobenzene	150	150.5		ug/m3		100	70 - 130	2	25
1,2-Dichloroethane	101	101.5		ug/m3		100	70 - 134	1	25
1,2-Dichloropropane	116	133.5		ug/m3		116	70 - 130	2	25
1,3,5-Trimethylbenzene	123	128.3		ug/m3		104	70 - 130	1	25
1,3-Dichlorobenzene	150	151.2		ug/m3		101	69 - 132	3	25
1,4-Dichlorobenzene	150	151.2		ug/m3		101	67 - 132	3	25
2-Butanone	73.7	83.14		ug/m3		113	64 - 143	3	25
2-Hexanone	102	118.8		ug/m3		116	59 - 140	3	25
4-Ethyltoluene	123	128.6		ug/m3		105	70 - 130	1	25
4-Methyl-2-pentanone	102	117.9		ug/m3		115	64 - 133	5	25
Acetone	59.4	62.67		ug/m3		106	69 - 146	3	25
Benzene	79.9	98.87		ug/m3		124	70 - 133	1	25

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 570-145168/10
Matrix: Air
Analysis Batch: 145168

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzyl chloride			129	126.9		ug/m3		98	63 - 130	3	25
Bromodichloromethane			168	179.5		ug/m3		107	70 - 130	2	25
Bromoform			258	273.4		ug/m3		106	70 - 132	0	25
Bromomethane			97.1	96.87		ug/m3		100	70 - 137	1	25
cis-1,2-Dichloroethene			99.1	114.9		ug/m3		116	70 - 130	4	25
cis-1,3-Dichloropropene			113	134.7		ug/m3		119	70 - 130	3	25
Carbon disulfide			77.9	80.86		ug/m3		104	70 - 150	12	25
Carbon tetrachloride			157	156.2		ug/m3		99	70 - 130	1	25
Chlorobenzene			115	125.7		ug/m3		109	70 - 130	1	25
Chloroethane			66.0	70.26		ug/m3		106	70 - 137	1	25
Chloroform			122	123.5		ug/m3		101	70 - 132	1	25
Chloromethane			51.6	53.40		ug/m3		103	65 - 142	0	25
Dibromochloromethane			213	223.2		ug/m3		105	70 - 130	1	25
Dichlorodifluoromethane			124	114.9		ug/m3		93	70 - 142	0	25
Dichlorotetrafluoroethane			175	165.4		ug/m3		95	70 - 137	1	25
Ethylbenzene			109	123.6		ug/m3		114	70 - 130	0	25
Hexachloro-1,3-butadiene			267	239.4		ug/m3		90	55 - 130	2	25
Isopropanol			61.5	58.41		ug/m3		95	60 - 130	1	25
Methylene Chloride			86.8	97.26		ug/m3		112	70 - 130	10	25
Methyl-t-Butyl Ether (MTBE)			90.1	100.4		ug/m3		111	70 - 132	3	25
n-Butylbenzene			137	128.1		ug/m3		93	70 - 130	1	25
o-Xylene			109	119.3		ug/m3		110	70 - 130	1	25
m,p-Xylene			217	238.4		ug/m3		110	70 - 130	1	25
sec-Butylbenzene			137	130.3		ug/m3		95	70 - 130	5	25
Styrene			106	117.8		ug/m3		111	70 - 130	1	25
trans-1,2-Dichloroethene			99.1	110.3		ug/m3		111	70 - 140	8	25
trans-1,3-Dichloropropene			113	131.7		ug/m3		116	70 - 130	0	25
tert-Butylbenzene			137	132.2		ug/m3		96	70 - 130	6	25
Tetrachloroethene			170	177.0		ug/m3		104	70 - 130	2	25
Di-isopropyl ether (DIPE)			104	105.6		ug/m3		101	64 - 130	1	25
Toluene			94.2	114.7		ug/m3		122	70 - 130	5	25
Ethanol			188	189.5		ug/m3		101	56 - 130	1	25
Trichloroethene			134	145.6		ug/m3		108	70 - 130	1	25
Trichlorofluoromethane			140	125.1		ug/m3		89	70 - 143	2	25
Vinyl acetate			88.0	100.1		ug/m3		114	67 - 138	8	25
Vinyl chloride			63.9	64.79		ug/m3		101	70 - 133	2	25
Ethyl-t-butyl ether (ETBE)			104	106.9		ug/m3		102	70 - 130	4	25
Tert-amyl methyl ether			104	110.0		ug/m3		105	70 - 130	3	25
tert-Butyl alcohol (TBA)			152	159.6		ug/m3		105	70 - 130	10	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*67 - 131*
Toluene-d8 (Surr)	*99*		*70 - 130*

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 570-145546/6
Matrix: Air
Analysis Batch: 145546

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7		ug/m3			04/23/21 17:34	1
1,1,2,2-Tetrachloroethane	ND		6.9		ug/m3			04/23/21 17:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11		ug/m3			04/23/21 17:34	1
1,1,2-Trichloroethane	ND		2.7		ug/m3			04/23/21 17:34	1
1,1-Dichloroethane	ND		2.0		ug/m3			04/23/21 17:34	1
1,1-Dichloroethene	ND		2.0		ug/m3			04/23/21 17:34	1
1,1-Difluoroethane	ND		5.4		ug/m3			04/23/21 17:34	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			04/23/21 17:34	1
1,2,4-Trimethylbenzene	ND		7.4		ug/m3			04/23/21 17:34	1
1,2-Dibromo-3-Chloropropane	ND		14		ug/m3			04/23/21 17:34	1
1,2-Dibromoethane	ND		3.8		ug/m3			04/23/21 17:34	1
1,2-Dichlorobenzene	ND		3.0		ug/m3			04/23/21 17:34	1
1,2-Dichloroethane	ND		2.0		ug/m3			04/23/21 17:34	1
1,2-Dichloropropane	ND		2.3		ug/m3			04/23/21 17:34	1
1,3,5-Trimethylbenzene	ND		2.5		ug/m3			04/23/21 17:34	1
1,3-Dichlorobenzene	ND		3.0		ug/m3			04/23/21 17:34	1
1,4-Dichlorobenzene	ND		3.0		ug/m3			04/23/21 17:34	1
2-Butanone	ND		4.4		ug/m3			04/23/21 17:34	1
2-Hexanone	ND		6.1		ug/m3			04/23/21 17:34	1
4-Ethyltoluene	ND		2.5		ug/m3			04/23/21 17:34	1
4-Methyl-2-pentanone	ND		6.1		ug/m3			04/23/21 17:34	1
Acetone	ND		4.8		ug/m3			04/23/21 17:34	1
Benzene	ND		1.6		ug/m3			04/23/21 17:34	1
Benzyl chloride	ND		7.8		ug/m3			04/23/21 17:34	1
Bromodichloromethane	ND		3.4		ug/m3			04/23/21 17:34	1
Bromoform	ND		5.2		ug/m3			04/23/21 17:34	1
Bromomethane	ND		1.9		ug/m3			04/23/21 17:34	1
cis-1,2-Dichloroethene	ND		2.0		ug/m3			04/23/21 17:34	1
cis-1,3-Dichloropropene	ND		2.3		ug/m3			04/23/21 17:34	1
Carbon disulfide	ND		6.2		ug/m3			04/23/21 17:34	1
Carbon tetrachloride	ND		3.1		ug/m3			04/23/21 17:34	1
Chlorobenzene	ND		2.3		ug/m3			04/23/21 17:34	1
Chloroethane	ND		1.3		ug/m3			04/23/21 17:34	1
Chloroform	ND		2.4		ug/m3			04/23/21 17:34	1
Chloromethane	ND		1.0		ug/m3			04/23/21 17:34	1
Dibromochloromethane	ND		4.3		ug/m3			04/23/21 17:34	1
Dichlorodifluoromethane	ND		2.5		ug/m3			04/23/21 17:34	1
Dichlorotetrafluoroethane	ND		14		ug/m3			04/23/21 17:34	1
Ethylbenzene	ND		2.2		ug/m3			04/23/21 17:34	1
Hexachloro-1,3-butadiene	ND		16		ug/m3			04/23/21 17:34	1
Isopropanol	ND		12		ug/m3			04/23/21 17:34	1
Methylene Chloride	ND		17		ug/m3			04/23/21 17:34	1
Methyl-t-Butyl Ether (MTBE)	ND		7.2		ug/m3			04/23/21 17:34	1
n-Butylbenzene	ND		8.2		ug/m3			04/23/21 17:34	1
o-Xylene	ND		2.2		ug/m3			04/23/21 17:34	1
m,p-Xylene	ND		8.7		ug/m3			04/23/21 17:34	1
sec-Butylbenzene	ND		8.2		ug/m3			04/23/21 17:34	1
Styrene	ND		6.4		ug/m3			04/23/21 17:34	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 570-145546/6
Matrix: Air
Analysis Batch: 145546

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		2.0		ug/m3			04/23/21 17:34	1
trans-1,3-Dichloropropene	ND		4.5		ug/m3			04/23/21 17:34	1
tert-Butylbenzene	ND		8.2		ug/m3			04/23/21 17:34	1
Tetrachloroethene	ND		3.4		ug/m3			04/23/21 17:34	1
Di-isopropyl ether (DIPE)	ND		8.4		ug/m3			04/23/21 17:34	1
Toluene	ND		1.9		ug/m3			04/23/21 17:34	1
Ethanol	ND		9.4		ug/m3			04/23/21 17:34	1
Trichloroethene	ND		2.7		ug/m3			04/23/21 17:34	1
Trichlorofluoromethane	ND		5.6		ug/m3			04/23/21 17:34	1
Vinyl acetate	ND		7.0		ug/m3			04/23/21 17:34	1
Vinyl chloride	ND		1.3		ug/m3			04/23/21 17:34	1
Ethyl-t-butyl ether (ETBE)	ND		8.4		ug/m3			04/23/21 17:34	1
Tert-amyl methyl ether	ND		8.4		ug/m3			04/23/21 17:34	1
tert-Butyl alcohol (TBA)	ND		6.1		ug/m3			04/23/21 17:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*04/23/21 17:34*	*1*
4-Bromofluorobenzene (Surr)	*91*		*67 - 131*		*04/23/21 17:34*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/23/21 17:34*	*1*

Lab Sample ID: LCS 570-145546/3
Matrix: Air
Analysis Batch: 145546

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	136	141.2		ug/m3		104	70 - 137
1,1,2,2-Tetrachloroethane	172	165.9		ug/m3		97	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	192	194.3		ug/m3		101	70 - 130
1,1,2-Trichloroethane	136	142.1		ug/m3		104	70 - 130
1,1-Dichloroethane	101	107.5		ug/m3		106	70 - 131
1,1-Dichloroethene	99.1	104.0		ug/m3		105	70 - 130
1,1-Difluoroethane	67.5	77.15		ug/m3		114	60 - 130
1,2,4-Trichlorobenzene	186	184.3		ug/m3		99	56 - 130
1,2,4-Trimethylbenzene	123	117.2		ug/m3		95	70 - 130
1,2-Dibromo-3-Chloropropane	242	250.5		ug/m3		104	68 - 130
1,2-Dibromoethane	192	190.9		ug/m3		99	70 - 130
1,2-Dichlorobenzene	150	148.9		ug/m3		99	70 - 130
1,2-Dichloroethane	101	105.6		ug/m3		104	70 - 134
1,2-Dichloropropane	116	122.0		ug/m3		106	70 - 130
1,3,5-Trimethylbenzene	123	119.9		ug/m3		98	70 - 130
1,3-Dichlorobenzene	150	156.2		ug/m3		104	69 - 132
1,4-Dichlorobenzene	150	162.0		ug/m3		108	67 - 132
2-Butanone	73.7	79.71		ug/m3		108	64 - 143
2-Hexanone	102	111.1		ug/m3		108	59 - 140
4-Ethyltoluene	123	126.0		ug/m3		103	70 - 130
4-Methyl-2-pentanone	102	109.4		ug/m3		107	64 - 133
Acetone	59.4	57.99		ug/m3		98	69 - 146
Benzene	79.9	84.56		ug/m3		106	70 - 133

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 570-145546/3
Matrix: Air
Analysis Batch: 145546

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzyl chloride	129	136.1		ug/m3		105	63 - 130
Bromodichloromethane	168	168.3		ug/m3		100	70 - 130
Bromoform	258	242.8		ug/m3		94	70 - 132
Bromomethane	97.1	84.83		ug/m3		87	70 - 137
cis-1,2-Dichloroethene	99.1	108.3		ug/m3		109	70 - 130
cis-1,3-Dichloropropene	113	126.1		ug/m3		111	70 - 130
Carbon disulfide	77.9	81.75		ug/m3		105	70 - 150
Carbon tetrachloride	157	155.6		ug/m3		99	70 - 130
Chlorobenzene	115	111.7		ug/m3		97	70 - 130
Chloroethane	66.0	59.59		ug/m3		90	70 - 137
Chloroform	122	124.3		ug/m3		102	70 - 132
Chloromethane	51.6	46.20		ug/m3		89	65 - 142
Dibromochloromethane	213	198.3		ug/m3		93	70 - 130
Dichlorodifluoromethane	124	122.4		ug/m3		99	70 - 142
Dichlorotetrafluoroethane	175	160.2		ug/m3		92	70 - 137
Ethylbenzene	109	109.4		ug/m3		101	70 - 130
Hexachloro-1,3-butadiene	267	249.4		ug/m3		94	55 - 130
Isopropanol	61.5	63.02		ug/m3		103	60 - 130
Methylene Chloride	86.8	89.40		ug/m3		103	70 - 130
Methyl-t-Butyl Ether (MTBE)	90.1	94.02		ug/m3		104	70 - 132
n-Butylbenzene	137	146.7		ug/m3		107	70 - 130
o-Xylene	109	103.2		ug/m3		95	70 - 130
m,p-Xylene	217	209.3		ug/m3		96	70 - 130
sec-Butylbenzene	137	136.6		ug/m3		99	70 - 130
Styrene	106	107.7		ug/m3		101	70 - 130
trans-1,2-Dichloroethene	99.1	105.4		ug/m3		106	70 - 140
trans-1,3-Dichloropropene	113	130.9		ug/m3		115	70 - 130
tert-Butylbenzene	137	136.1		ug/m3		99	70 - 130
Tetrachloroethene	170	150.9		ug/m3		89	70 - 130
Di-isopropyl ether (DIPE)	104	115.7		ug/m3		111	64 - 130
Toluene	94.2	91.83		ug/m3		97	70 - 130
Ethanol	188	179.6		ug/m3		95	56 - 130
Trichloroethene	134	134.4		ug/m3		100	70 - 130
Trichlorofluoromethane	140	138.2		ug/m3		98	70 - 143
Vinyl acetate	88.0	97.20		ug/m3		110	67 - 138
Vinyl chloride	63.9	55.94		ug/m3		88	70 - 133
Ethyl-t-butyl ether (ETBE)	104	111.9		ug/m3		107	70 - 130
Tert-amyl methyl ether	104	108.7		ug/m3		104	70 - 130
tert-Butyl alcohol (TBA)	152	159.6		ug/m3		105	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*107*		*67 - 131*
Toluene-d8 (Surr)	*103*		*70 - 130*

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 570-145546/4
Matrix: Air
Analysis Batch: 145546

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	136	141.2		ug/m3		103	70 - 137	0	25
1,1,2,2-Tetrachloroethane	172	165.4		ug/m3		96	70 - 130	0	25
1,1,2-Trichloro-1,2,2-trifluoroethane	192	193.4		ug/m3		101	70 - 130	0	25
1,1,2-Trichloroethane	136	142.2		ug/m3		104	70 - 130	0	25
1,1-Dichloroethane	101	106.5		ug/m3		105	70 - 131	1	25
1,1-Dichloroethene	99.1	103.2		ug/m3		104	70 - 130	1	25
1,1-Difluoroethane	67.5	76.07		ug/m3		113	60 - 130	1	25
1,2,4-Trichlorobenzene	186	194.4		ug/m3		105	56 - 130	5	25
1,2,4-Trimethylbenzene	123	116.9		ug/m3		95	70 - 130	0	25
1,2-Dibromo-3-Chloropropane	242	252.4		ug/m3		104	68 - 130	1	25
1,2-Dibromoethane	192	190.7		ug/m3		99	70 - 130	0	25
1,2-Dichlorobenzene	150	148.6		ug/m3		99	70 - 130	0	25
1,2-Dichloroethane	101	104.7		ug/m3		103	70 - 134	1	25
1,2-Dichloropropane	116	121.6		ug/m3		105	70 - 130	0	25
1,3,5-Trimethylbenzene	123	119.9		ug/m3		98	70 - 130	0	25
1,3-Dichlorobenzene	150	155.0		ug/m3		103	69 - 132	1	25
1,4-Dichlorobenzene	150	161.3		ug/m3		107	67 - 132	0	25
2-Butanone	73.7	81.72		ug/m3		111	64 - 143	2	25
2-Hexanone	102	110.8		ug/m3		108	59 - 140	0	25
4-Ethyltoluene	123	125.6		ug/m3		102	70 - 130	0	25
4-Methyl-2-pentanone	102	108.7		ug/m3		106	64 - 133	1	25
Acetone	59.4	57.53		ug/m3		97	69 - 146	1	25
Benzene	79.9	85.15		ug/m3		107	70 - 133	1	25
Benzyl chloride	129	135.5		ug/m3		105	63 - 130	0	25
Bromodichloromethane	168	169.1		ug/m3		101	70 - 130	0	25
Bromoform	258	242.6		ug/m3		94	70 - 132	0	25
Bromomethane	97.1	84.97		ug/m3		88	70 - 137	0	25
cis-1,2-Dichloroethene	99.1	109.4		ug/m3		110	70 - 130	1	25
cis-1,3-Dichloropropene	113	127.1		ug/m3		112	70 - 130	1	25
Carbon disulfide	77.9	81.02		ug/m3		104	70 - 150	1	25
Carbon tetrachloride	157	156.8		ug/m3		100	70 - 130	1	25
Chlorobenzene	115	111.3		ug/m3		97	70 - 130	0	25
Chloroethane	66.0	59.68		ug/m3		90	70 - 137	0	25
Chloroform	122	124.4		ug/m3		102	70 - 132	0	25
Chloromethane	51.6	46.12		ug/m3		89	65 - 142	0	25
Dibromochloromethane	213	198.2		ug/m3		93	70 - 130	0	25
Dichlorodifluoromethane	124	121.4		ug/m3		98	70 - 142	1	25
Dichlorotetrafluoroethane	175	158.8		ug/m3		91	70 - 137	1	25
Ethylbenzene	109	109.4		ug/m3		101	70 - 130	0	25
Hexachloro-1,3-butadiene	267	250.1		ug/m3		94	55 - 130	0	25
Isopropanol	61.5	62.87		ug/m3		102	60 - 130	0	25
Methylene Chloride	86.8	88.96		ug/m3		102	70 - 130	0	25
Methyl-t-Butyl Ether (MTBE)	90.1	94.63		ug/m3		105	70 - 132	1	25
n-Butylbenzene	137	146.9		ug/m3		107	70 - 130	0	25
o-Xylene	109	103.6		ug/m3		95	70 - 130	0	25
m,p-Xylene	217	208.6		ug/m3		96	70 - 130	0	25
sec-Butylbenzene	137	136.5		ug/m3		99	70 - 130	0	25
Styrene	106	107.9		ug/m3		101	70 - 130	0	25

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 570-145546/4
Matrix: Air
Analysis Batch: 145546

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
trans-1,2-Dichloroethene			99.1	107.1		ug/m3		108	70 - 140	2	25
trans-1,3-Dichloropropene			113	133.2		ug/m3		117	70 - 130	2	25
tert-Butylbenzene			137	135.9		ug/m3		99	70 - 130	0	25
Tetrachloroethene			170	151.4		ug/m3		89	70 - 130	0	25
Di-isopropyl ether (DIPE)			104	114.6		ug/m3		110	64 - 130	1	25
Toluene			94.2	91.79		ug/m3		97	70 - 130	0	25
Ethanol			188	178.2		ug/m3		95	56 - 130	1	25
Trichloroethene			134	135.3		ug/m3		101	70 - 130	1	25
Trichlorofluoromethane			140	138.1		ug/m3		98	70 - 143	0	25
Vinyl acetate			88.0	97.86		ug/m3		111	67 - 138	1	25
Vinyl chloride			63.9	56.21		ug/m3		88	70 - 133	0	25
Ethyl-t-butyl ether (ETBE)			104	111.9		ug/m3		107	70 - 130	0	25
Tert-amyl methyl ether			104	109.2		ug/m3		105	70 - 130	1	25
tert-Butyl alcohol (TBA)			152	159.8		ug/m3		105	70 - 130	0	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*107*		*67 - 131*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 570-145574/6
Matrix: Air
Analysis Batch: 145574

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7		ug/m3			04/22/21 20:54	1
1,1,2,2-Tetrachloroethane	ND		6.9		ug/m3			04/22/21 20:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11		ug/m3			04/22/21 20:54	1
1,1,2-Trichloroethane	ND		2.7		ug/m3			04/22/21 20:54	1
1,1-Dichloroethane	ND		2.0		ug/m3			04/22/21 20:54	1
1,1-Dichloroethene	ND		2.0		ug/m3			04/22/21 20:54	1
1,1-Difluoroethane	ND		5.4		ug/m3			04/22/21 20:54	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			04/22/21 20:54	1
1,2,4-Trimethylbenzene	ND		7.4		ug/m3			04/22/21 20:54	1
1,2-Dibromo-3-Chloropropane	ND		14		ug/m3			04/22/21 20:54	1
1,2-Dibromoethane	ND		3.8		ug/m3			04/22/21 20:54	1
1,2-Dichlorobenzene	ND		3.0		ug/m3			04/22/21 20:54	1
1,2-Dichloroethane	ND		2.0		ug/m3			04/22/21 20:54	1
1,2-Dichloropropane	ND		2.3		ug/m3			04/22/21 20:54	1
1,3,5-Trimethylbenzene	ND		2.5		ug/m3			04/22/21 20:54	1
1,3-Dichlorobenzene	ND		3.0		ug/m3			04/22/21 20:54	1
1,4-Dichlorobenzene	ND		3.0		ug/m3			04/22/21 20:54	1
2-Butanone	ND		4.4		ug/m3			04/22/21 20:54	1
2-Hexanone	ND		6.1		ug/m3			04/22/21 20:54	1
4-Ethyltoluene	ND		2.5		ug/m3			04/22/21 20:54	1
4-Methyl-2-pentanone	ND		6.1		ug/m3			04/22/21 20:54	1
Acetone	ND		4.8		ug/m3			04/22/21 20:54	1
Benzene	ND		1.6		ug/m3			04/22/21 20:54	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 570-145574/6
Matrix: Air
Analysis Batch: 145574

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		7.8		ug/m3			04/22/21 20:54	1
Bromodichloromethane	ND		3.4		ug/m3			04/22/21 20:54	1
Bromoform	ND		5.2		ug/m3			04/22/21 20:54	1
Bromomethane	ND		1.9		ug/m3			04/22/21 20:54	1
cis-1,2-Dichloroethene	ND		2.0		ug/m3			04/22/21 20:54	1
cis-1,3-Dichloropropene	ND		2.3		ug/m3			04/22/21 20:54	1
Carbon disulfide	ND		6.2		ug/m3			04/22/21 20:54	1
Carbon tetrachloride	ND		3.1		ug/m3			04/22/21 20:54	1
Chlorobenzene	ND		2.3		ug/m3			04/22/21 20:54	1
Chloroethane	ND		1.3		ug/m3			04/22/21 20:54	1
Chloroform	ND		2.4		ug/m3			04/22/21 20:54	1
Chloromethane	ND		1.0		ug/m3			04/22/21 20:54	1
Dibromochloromethane	ND		4.3		ug/m3			04/22/21 20:54	1
Dichlorodifluoromethane	ND		2.5		ug/m3			04/22/21 20:54	1
Dichlorotetrafluoroethane	ND		14		ug/m3			04/22/21 20:54	1
Ethylbenzene	ND		2.2		ug/m3			04/22/21 20:54	1
Hexachloro-1,3-butadiene	ND		16		ug/m3			04/22/21 20:54	1
Isopropanol	ND		12		ug/m3			04/22/21 20:54	1
Methylene Chloride	ND		17		ug/m3			04/22/21 20:54	1
Methyl-t-Butyl Ether (MTBE)	ND		7.2		ug/m3			04/22/21 20:54	1
n-Butylbenzene	ND		8.2		ug/m3			04/22/21 20:54	1
o-Xylene	ND		2.2		ug/m3			04/22/21 20:54	1
m,p-Xylene	ND		8.7		ug/m3			04/22/21 20:54	1
sec-Butylbenzene	ND		8.2		ug/m3			04/22/21 20:54	1
Styrene	ND		6.4		ug/m3			04/22/21 20:54	1
trans-1,2-Dichloroethene	ND		2.0		ug/m3			04/22/21 20:54	1
trans-1,3-Dichloropropene	ND		4.5		ug/m3			04/22/21 20:54	1
tert-Butylbenzene	ND		8.2		ug/m3			04/22/21 20:54	1
Tetrachloroethene	ND		3.4		ug/m3			04/22/21 20:54	1
Di-isopropyl ether (DIPE)	ND		8.4		ug/m3			04/22/21 20:54	1
Toluene	ND		1.9		ug/m3			04/22/21 20:54	1
Ethanol	ND		9.4		ug/m3			04/22/21 20:54	1
Trichloroethene	ND		2.7		ug/m3			04/22/21 20:54	1
Trichlorofluoromethane	ND		5.6		ug/m3			04/22/21 20:54	1
Vinyl acetate	ND		7.0		ug/m3			04/22/21 20:54	1
Vinyl chloride	ND		1.3		ug/m3			04/22/21 20:54	1
Ethyl-t-butyl ether (ETBE)	ND		8.4		ug/m3			04/22/21 20:54	1
Tert-amyl methyl ether	ND		8.4		ug/m3			04/22/21 20:54	1
tert-Butyl alcohol (TBA)	ND		6.1		ug/m3			04/22/21 20:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*04/22/21 20:54*	*1*
4-Bromofluorobenzene (Surr)	*99*		*67 - 131*		*04/22/21 20:54*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*04/22/21 20:54*	*1*

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 570-145574/3
Matrix: Air
Analysis Batch: 145574

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	136	152.7		ug/m3		112	70 - 137
1,1,2,2-Tetrachloroethane	172	186.2		ug/m3		109	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	192	206.6		ug/m3		108	70 - 130
1,1,2-Trichloroethane	136	158.6		ug/m3		116	70 - 130
1,1-Dichloroethane	101	114.0		ug/m3		113	70 - 131
1,1-Dichloroethene	99.1	117.0		ug/m3		118	70 - 130
1,1-Difluoroethane	67.5	66.04		ug/m3		98	60 - 130
1,2,4-Trichlorobenzene	186	160.6		ug/m3		87	56 - 130
1,2,4-Trimethylbenzene	123	131.4		ug/m3		107	70 - 130
1,2-Dibromo-3-Chloropropane	242	248.3		ug/m3		103	68 - 130
1,2-Dibromoethane	192	215.3		ug/m3		112	70 - 130
1,2-Dichlorobenzene	150	158.3		ug/m3		105	70 - 130
1,2-Dichloroethane	101	112.1		ug/m3		111	70 - 134
1,2-Dichloropropane	116	134.3		ug/m3		116	70 - 130
1,3,5-Trimethylbenzene	123	134.5		ug/m3		109	70 - 130
1,3-Dichlorobenzene	150	160.2		ug/m3		107	69 - 132
1,4-Dichlorobenzene	150	159.4		ug/m3		106	67 - 132
2-Butanone	73.7	84.55		ug/m3		115	64 - 143
2-Hexanone	102	113.2		ug/m3		110	59 - 140
4-Ethyltoluene	123	134.9		ug/m3		110	70 - 130
4-Methyl-2-pentanone	102	115.8		ug/m3		113	64 - 133
Acetone	59.4	65.47		ug/m3		110	69 - 146
Benzene	79.9	99.31		ug/m3		124	70 - 133
Benzyl chloride	129	131.8		ug/m3		102	63 - 130
Bromodichloromethane	168	192.9		ug/m3		115	70 - 130
Bromoform	258	289.6		ug/m3		112	70 - 132
Bromomethane	97.1	104.6		ug/m3		108	70 - 137
cis-1,2-Dichloroethene	99.1	117.6		ug/m3		119	70 - 130
cis-1,3-Dichloropropene	113	138.0		ug/m3		122	70 - 130
Carbon disulfide	77.9	80.20		ug/m3		103	70 - 150
Carbon tetrachloride	157	174.6		ug/m3		111	70 - 130
Chlorobenzene	115	126.6		ug/m3		110	70 - 130
Chloroethane	66.0	71.34		ug/m3		108	70 - 137
Chloroform	122	131.9		ug/m3		108	70 - 132
Chloromethane	51.6	53.20		ug/m3		103	65 - 142
Dibromochloromethane	213	230.5		ug/m3		108	70 - 130
Dichlorodifluoromethane	124	129.1		ug/m3		104	70 - 142
Dichlorotetrafluoroethane	175	180.7		ug/m3		103	70 - 137
Ethylbenzene	109	125.1		ug/m3		115	70 - 130
Hexachloro-1,3-butadiene	267	224.5		ug/m3		84	55 - 130
Isopropanol	61.5	58.82		ug/m3		96	60 - 130
Methylene Chloride	86.8	96.95		ug/m3		112	70 - 130
Methyl-t-Butyl Ether (MTBE)	90.1	105.2		ug/m3		117	70 - 132
n-Butylbenzene	137	139.0		ug/m3		101	70 - 130
o-Xylene	109	124.2		ug/m3		114	70 - 130
m,p-Xylene	217	245.3		ug/m3		113	70 - 130
sec-Butylbenzene	137	139.5		ug/m3		102	70 - 130
Styrene	106	121.5		ug/m3		114	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 570-145574/3
Matrix: Air
Analysis Batch: 145574

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	99.1	110.0		ug/m3		111	70 - 140
trans-1,3-Dichloropropene	113	137.7		ug/m3		121	70 - 130
tert-Butylbenzene	137	140.8		ug/m3		103	70 - 130
Tetrachloroethene	170	180.8		ug/m3		107	70 - 130
Di-isopropyl ether (DIPE)	104	108.0		ug/m3		103	64 - 130
Toluene	94.2	110.4		ug/m3		117	70 - 130
Ethanol	188	180.9		ug/m3		96	56 - 130
Trichloroethene	134	150.9		ug/m3		112	70 - 130
Trichlorofluoromethane	140	146.6		ug/m3		104	70 - 143
Vinyl acetate	88.0	101.5		ug/m3		115	67 - 138
Vinyl chloride	63.9	65.78		ug/m3		103	70 - 133
Ethyl-t-butyl ether (ETBE)	104	109.6		ug/m3		105	70 - 130
Tert-amyl methyl ether	104	112.6		ug/m3		108	70 - 130
tert-Butyl alcohol (TBA)	152	158.2		ug/m3		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*67 - 131*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 570-145574/4
Matrix: Air
Analysis Batch: 145574

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	136	148.6		ug/m3		109	70 - 137	3	25
1,1,2,2-Tetrachloroethane	172	184.5		ug/m3		107	70 - 130	1	25
1,1,2-Trichloro-1,2,2-trifluoroethane	192	200.9		ug/m3		105	70 - 130	3	25
1,1,2-Trichloroethane	136	155.7		ug/m3		114	70 - 130	2	25
1,1-Dichloroethane	101	110.8		ug/m3		109	70 - 131	3	25
1,1-Dichloroethene	99.1	114.2		ug/m3		115	70 - 130	2	25
1,1-Difluoroethane	67.5	68.60		ug/m3		102	60 - 130	4	25
1,2,4-Trichlorobenzene	186	160.9		ug/m3		87	56 - 130	0	25
1,2,4-Trimethylbenzene	123	129.6		ug/m3		105	70 - 130	1	25
1,2-Dibromo-3-Chloropropane	242	241.1		ug/m3		100	68 - 130	3	25
1,2-Dibromoethane	192	214.7		ug/m3		112	70 - 130	0	25
1,2-Dichlorobenzene	150	157.0		ug/m3		104	70 - 130	1	25
1,2-Dichloroethane	101	108.9		ug/m3		108	70 - 134	3	25
1,2-Dichloropropane	116	134.3		ug/m3		116	70 - 130	0	25
1,3,5-Trimethylbenzene	123	133.3		ug/m3		108	70 - 130	1	25
1,3-Dichlorobenzene	150	157.6		ug/m3		105	69 - 132	2	25
1,4-Dichlorobenzene	150	158.4		ug/m3		105	67 - 132	1	25
2-Butanone	73.7	82.56		ug/m3		112	64 - 143	2	25
2-Hexanone	102	114.0		ug/m3		111	59 - 140	1	25
4-Ethyltoluene	123	134.3		ug/m3		109	70 - 130	0	25
4-Methyl-2-pentanone	102	116.6		ug/m3		114	64 - 133	1	25
Acetone	59.4	62.11		ug/m3		105	69 - 146	5	25
Benzene	79.9	99.49		ug/m3		125	70 - 133	0	25

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 570-145574/4
Matrix: Air
Analysis Batch: 145574

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzyl chloride	129	130.0		ug/m3		100	63 - 130	1	25
Bromodichloromethane	168	188.3		ug/m3		112	70 - 130	2	25
Bromoform	258	287.1		ug/m3		111	70 - 132	1	25
Bromomethane	97.1	102.7		ug/m3		106	70 - 137	2	25
cis-1,2-Dichloroethene	99.1	117.2		ug/m3		118	70 - 130	0	25
cis-1,3-Dichloropropene	113	136.0		ug/m3		120	70 - 130	1	25
Carbon disulfide	77.9	78.91		ug/m3		101	70 - 150	2	25
Carbon tetrachloride	157	170.3		ug/m3		108	70 - 130	2	25
Chlorobenzene	115	127.4		ug/m3		111	70 - 130	1	25
Chloroethane	66.0	70.68		ug/m3		107	70 - 137	1	25
Chloroform	122	130.0		ug/m3		107	70 - 132	1	25
Chloromethane	51.6	54.73		ug/m3		106	65 - 142	3	25
Dibromochloromethane	213	228.6		ug/m3		107	70 - 130	1	25
Dichlorodifluoromethane	124	129.2		ug/m3		104	70 - 142	0	25
Dichlorotetrafluoroethane	175	180.2		ug/m3		103	70 - 137	0	25
Ethylbenzene	109	125.8		ug/m3		116	70 - 130	1	25
Hexachloro-1,3-butadiene	267	226.4		ug/m3		85	55 - 130	1	25
Isopropanol	61.5	57.16		ug/m3		93	60 - 130	3	25
Methylene Chloride	86.8	94.76		ug/m3		109	70 - 130	2	25
Methyl-t-Butyl Ether (MTBE)	90.1	101.8		ug/m3		113	70 - 132	3	25
n-Butylbenzene	137	134.9		ug/m3		98	70 - 130	3	25
o-Xylene	109	123.9		ug/m3		114	70 - 130	0	25
m,p-Xylene	217	244.3		ug/m3		113	70 - 130	0	25
sec-Butylbenzene	137	137.9		ug/m3		100	70 - 130	1	25
Styrene	106	120.1		ug/m3		113	70 - 130	1	25
trans-1,2-Dichloroethene	99.1	108.1		ug/m3		109	70 - 140	2	25
trans-1,3-Dichloropropene	113	135.4		ug/m3		119	70 - 130	2	25
tert-Butylbenzene	137	138.5		ug/m3		101	70 - 130	2	25
Tetrachloroethene	170	180.6		ug/m3		107	70 - 130	0	25
Di-isopropyl ether (DIPE)	104	105.2		ug/m3		101	64 - 130	3	25
Toluene	94.2	112.0		ug/m3		119	70 - 130	1	25
Ethanol	188	178.6		ug/m3		95	56 - 130	1	25
Trichloroethene	134	150.7		ug/m3		112	70 - 130	0	25
Trichlorofluoromethane	140	139.5		ug/m3		99	70 - 143	5	25
Vinyl acetate	88.0	100.2		ug/m3		114	67 - 138	1	25
Vinyl chloride	63.9	67.01		ug/m3		105	70 - 133	2	25
Ethyl-t-butyl ether (ETBE)	104	107.5		ug/m3		103	70 - 130	2	25
Tert-amyl methyl ether	104	112.0		ug/m3		107	70 - 130	1	25
tert-Butyl alcohol (TBA)	152	156.6		ug/m3		103	70 - 130	1	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*67 - 131*
Toluene-d8 (Surr)	*101*		*70 - 130*

QC Association Summary

Client: Avocet Environmental Inc
Project/Site: Fairview Development Center / 1431.005

Job ID: 570-56905-1

Air - GC/MS VOA

Analysis Batch: 144606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-56905-1	MC-SV-1_5	Total/NA	Air	TO-15	
570-56905-3	MC-SV-3_5	Total/NA	Air	TO-15	
570-56905-4	MC-SV-3_15	Total/NA	Air	TO-15	
570-56905-6	MC-SV-4_15	Total/NA	Air	TO-15	
570-56905-8	MC-SV-6_15	Total/NA	Air	TO-15	
MB 570-144606/6	Method Blank	Total/NA	Air	TO-15	
LCS 570-144606/3	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-144606/4	Lab Control Sample Dup	Total/NA	Air	TO-15	

Analysis Batch: 145168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-56905-9	MC-SV-7_5	Total/NA	Air	TO-15	
570-56905-10	MC-SV-7_15	Total/NA	Air	TO-15	
570-56905-11	MC-SV-8_5	Total/NA	Air	TO-15	
570-56905-18	MC-SV-11_5	Total/NA	Air	TO-15	
570-56905-19	MC-SV-11_15	Total/NA	Air	TO-15	
570-56905-21	MC-SV-12_15	Total/NA	Air	TO-15	
570-56905-22	DUP_MC-SV-6_15	Total/NA	Air	TO-15	
MB 570-145168/14	Method Blank	Total/NA	Air	TO-15	
LCS 570-145168/1009	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-145168/10	Lab Control Sample Dup	Total/NA	Air	TO-15	

Analysis Batch: 145546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-56905-2	MC-SV-1_15	Total/NA	Air	TO-15	
570-56905-5	MC-SV-4_5	Total/NA	Air	TO-15	
MB 570-145546/6	Method Blank	Total/NA	Air	TO-15	
LCS 570-145546/3	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-145546/4	Lab Control Sample Dup	Total/NA	Air	TO-15	

Analysis Batch: 145574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-56905-7 - RA	MC-SV-6_5	Total/NA	Air	TO-15	
570-56905-12 - RA	MC-SV-8_15	Total/NA	Air	TO-15	
570-56905-13 - RA	DUP_MC-SV-4_15	Total/NA	Air	TO-15	
570-56905-14 - RA	MC-SV-9_5	Total/NA	Air	TO-15	
570-56905-15 - RA	MC-SV-9_15	Total/NA	Air	TO-15	
570-56905-16 - RA	MC-SV-10_5	Total/NA	Air	TO-15	
570-56905-17 - RA	MC-SV-10_15	Total/NA	Air	TO-15	
570-56905-20 - RA	MC-SV-12_5	Total/NA	Air	TO-15	
MB 570-145574/6	Method Blank	Total/NA	Air	TO-15	
LCS 570-145574/3	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-145574/4	Lab Control Sample Dup	Total/NA	Air	TO-15	

Lab Chronicle

Client: Avocet Environmental Inc
Job ID: 570-56905-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: MC-SV-1_5
Lab Sample ID: 570-56905-1
Date Collected: 04/19/21 09:08
Matrix: Air
Date Received: 04/19/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.044	400 mL	400 mL	144606	04/20/21 18:50	USQD	ECL 2
	Instrument ID: GCMSHH									

Client Sample ID: MC-SV-1_15
Lab Sample ID: 570-56905-2
Date Collected: 04/19/21 09:09
Matrix: Air
Date Received: 04/19/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.6	400 mL	400 mL	145546	04/23/21 18:28	UX77	ECL 2
	Instrument ID: GCMSZZ									

Client Sample ID: MC-SV-3_5
Lab Sample ID: 570-56905-3
Date Collected: 04/19/21 09:44
Matrix: Air
Date Received: 04/19/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.208	400 mL	400 mL	144606	04/20/21 22:49	USQD	ECL 2
	Instrument ID: GCMSHH									

Client Sample ID: MC-SV-3_15
Lab Sample ID: 570-56905-4
Date Collected: 04/19/21 09:45
Matrix: Air
Date Received: 04/19/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.149	400 mL	400 mL	144606	04/20/21 23:44	USQD	ECL 2
	Instrument ID: GCMSHH									

Client Sample ID: MC-SV-4_5
Lab Sample ID: 570-56905-5
Date Collected: 04/19/21 11:15
Matrix: Air
Date Received: 04/19/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.88	400 mL	400 mL	145546	04/23/21 19:17	UX77	ECL 2
	Instrument ID: GCMSZZ									

Client Sample ID: MC-SV-4_15
Lab Sample ID: 570-56905-6
Date Collected: 04/19/21 11:18
Matrix: Air
Date Received: 04/19/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.14	400 mL	400 mL	144606	04/21/21 01:35	USQD	ECL 2
	Instrument ID: GCMSHH									

Client Sample ID: MC-SV-6_5
Lab Sample ID: 570-56905-7
Date Collected: 04/19/21 10:34
Matrix: Air
Date Received: 04/19/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15	RA	1.54	400 mL	400 mL	145574	04/23/21 15:01	USQD	ECL 2
	Instrument ID: GCMSHH									

Client Sample ID: MC-SV-6_15
Lab Sample ID: 570-56905-8
Date Collected: 04/19/21 10:40
Matrix: Air
Date Received: 04/19/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.013	400 mL	400 mL	144606	04/21/21 03:26	USQD	ECL 2
	Instrument ID: GCMSHH									

Client Sample ID: MC-SV-7_5
Lab Sample ID: 570-56905-9
Date Collected: 04/19/21 11:49
Matrix: Air
Date Received: 04/19/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.859	400 mL	400 mL	145168	04/22/21 12:35	USQD	ECL 2
	Instrument ID: GCMSHH									

Client Sample ID: MC-SV-7_15
Lab Sample ID: 570-56905-10
Date Collected: 04/19/21 11:50
Matrix: Air
Date Received: 04/19/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.28	400 mL	400 mL	145168	04/22/21 14:25	USQD	ECL 2
	Instrument ID: GCMSHH									

Client Sample ID: MC-SV-8_5
Lab Sample ID: 570-56905-11
Date Collected: 04/19/21 12:34
Matrix: Air
Date Received: 04/19/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.98	400 mL	400 mL	145168	04/22/21 15:20	USQD	ECL 2
	Instrument ID: GCMSHH									

Client Sample ID: MC-SV-8_15
Lab Sample ID: 570-56905-12
Date Collected: 04/19/21 12:37
Matrix: Air
Date Received: 04/19/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15	RA	2.55	400 mL	400 mL	145574	04/22/21 22:20	USQD	ECL 2
	Instrument ID: GCMSHH									

Client Sample ID: DUP_MC-SV-4_15
Lab Sample ID: 570-56905-13
Date Collected: 04/19/21 11:18
Matrix: Air
Date Received: 04/19/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15	RA	1.99	400 mL	400 mL	145574	04/22/21 23:16	USQD	ECL 2
	Instrument ID: GCMSHH									

Client Sample ID: MC-SV-9_5
Lab Sample ID: 570-56905-14
Date Collected: 04/19/21 13:09
Matrix: Air
Date Received: 04/19/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15	RA	2.08	400 mL	400 mL	145574	04/23/21 00:13	USQD	ECL 2
	Instrument ID: GCMSHH									

Client Sample ID: MC-SV-9_15
Lab Sample ID: 570-56905-15
Date Collected: 04/19/21 13:10
Matrix: Air
Date Received: 04/19/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15	RA	1.94	400 mL	400 mL	145574	04/23/21 01:08	USQD	ECL 2
	Instrument ID: GCMSHH									

Client Sample ID: MC-SV-10_5
Lab Sample ID: 570-56905-16
Date Collected: 04/19/21 08:30
Matrix: Air
Date Received: 04/19/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15	RA	1.31	400 mL	400 mL	145574	04/23/21 02:04	USQD	ECL 2
	Instrument ID: GCMSHH									

Client Sample ID: MC-SV-10_15
Lab Sample ID: 570-56905-17
Date Collected: 04/19/21 08:31
Matrix: Air
Date Received: 04/19/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15	RA	1.98	400 mL	400 mL	145574	04/23/21 02:59	USQD	ECL 2
	Instrument ID: GCMSHH									

Client Sample ID: MC-SV-11_5
Lab Sample ID: 570-56905-18
Date Collected: 04/19/21 14:13
Matrix: Air
Date Received: 04/19/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.075	400 mL	400 mL	145168	04/22/21 06:45	USQD	ECL 2
	Instrument ID: GCMSHH									

Lab Chronicle

Client: Avocet Environmental Inc
Job ID: 570-56905-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: MC-SV-11_15
Lab Sample ID: 570-56905-19
Date Collected: 04/19/21 14:20
Matrix: Air
Date Received: 04/19/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.878	400 mL	400 mL	145168	04/22/21 08:52	USQD	ECL 2
	Instrument ID: GCMSHH									

Client Sample ID: MC-SV-12_5
Lab Sample ID: 570-56905-20
Date Collected: 04/19/21 13:42
Matrix: Air
Date Received: 04/19/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15	RA	2.88	400 mL	400 mL	145574	04/23/21 03:57	USQD	ECL 2
	Instrument ID: GCMSHH									

Client Sample ID: MC-SV-12_15
Lab Sample ID: 570-56905-21
Date Collected: 04/19/21 13:43
Matrix: Air
Date Received: 04/19/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.114	400 mL	400 mL	145168	04/22/21 10:43	USQD	ECL 2
	Instrument ID: GCMSHH									

Client Sample ID: DUP_MC-SV-6_15
Lab Sample ID: 570-56905-22
Date Collected: 04/19/21 10:40
Matrix: Air
Date Received: 04/19/21 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.227	400 mL	400 mL	145168	04/22/21 11:39	USQD	ECL 2
	Instrument ID: GCMSHH									

Laboratory References:

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Avocet Environmental Inc
Job ID: 570-56905-1
Project/Site: Fairview Development Center / 1431.005

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-0161	11-19-21
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	SCAQMD LAP	17LA0919	11-30-21
California	State	2944	09-30-21
Guam	State	20-003R	10-31-20 *
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-30-22
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Avocet Environmental Inc
Job ID: 570-56905-1
Project/Site: Fairview Development Center / 1431.005

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	ECL 2

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Avocet Environmental Inc
Project/Site: Fairview Development Center / 1431.005

Job ID: 570-56905-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-56905-1	MC-SV-1_5	Air	04/19/21 09:08	04/19/21 16:34	Air Canister (1-Liter) #SLC076
570-56905-2	MC-SV-1_15	Air	04/19/21 09:09	04/19/21 16:34	Air Canister (1-Liter) #SLC166
570-56905-3	MC-SV-3_5	Air	04/19/21 09:44	04/19/21 16:34	Air Canister (1-Liter) #LC802
570-56905-4	MC-SV-3_15	Air	04/19/21 09:45	04/19/21 16:34	Air Canister (1-Liter) #LC1217
570-56905-5	MC-SV-4_5	Air	04/19/21 11:15	04/19/21 16:34	Air Canister (1-Liter) #LC1094
570-56905-6	MC-SV-4_15	Air	04/19/21 11:18	04/19/21 16:34	Air Canister (1-Liter) #LC685
570-56905-7	MC-SV-6_5	Air	04/19/21 10:34	04/19/21 16:34	Air Canister (1-Liter) #SLC058
570-56905-8	MC-SV-6_15	Air	04/19/21 10:40	04/19/21 16:34	Air Canister (1-Liter) #LC531
570-56905-9	MC-SV-7_5	Air	04/19/21 11:49	04/19/21 16:34	Air Canister (1-Liter) #LC480
570-56905-10	MC-SV-7_15	Air	04/19/21 11:50	04/19/21 16:34	Air Canister (1-Liter) #LC747
570-56905-11	MC-SV-8_5	Air	04/19/21 12:34	04/19/21 16:34	Air Canister (1-Liter) #LC933
570-56905-12	MC-SV-8_15	Air	04/19/21 12:37	04/19/21 16:34	Air Canister (1-Liter) #LC1072
570-56905-13	DUP_MC-SV-4_15	Air	04/19/21 11:18	04/19/21 16:34	Air Canister (1-Liter) #LC986
570-56905-14	MC-SV-9_5	Air	04/19/21 13:09	04/19/21 16:34	Air Canister (1-Liter) #LC756
570-56905-15	MC-SV-9_15	Air	04/19/21 13:10	04/19/21 16:34	Air Canister (1-Liter) #LC408
570-56905-16	MC-SV-10_5	Air	04/19/21 08:30	04/19/21 16:34	Air Canister (1-Liter) #LC765
570-56905-17	MC-SV-10_15	Air	04/19/21 08:31	04/19/21 16:34	Air Canister (1-Liter) #LC643
570-56905-18	MC-SV-11_5	Air	04/19/21 14:13	04/19/21 16:34	Air Canister (1-Liter) #SLC085
570-56905-19	MC-SV-11_15	Air	04/19/21 14:20	04/19/21 16:34	Air Canister (1-Liter) #LC613
570-56905-20	MC-SV-12_5	Air	04/19/21 13:42	04/19/21 16:34	Air Canister (1-Liter) #LC1239
570-56905-21	MC-SV-12_15	Air	04/19/21 13:43	04/19/21 16:34	Air Canister (1-Liter) #LC265
570-56905-22	DUP_MC-SV-6_15	Air	04/19/21 10:40	04/19/21 16:34	Air Canister (1-Liter) #LC793

56905

AIR CHAIN OF CUSTODY RECORD

AVOCET ENVIRONMENTAL, INC
1 Technology Drive, Suite C515
Irvine, California 92618-5302
TEL (949) 296-0977
FAX (949) 296-0978

570-56905 Chain of Custody

DATE: 4/19/2021

PAGE: 1 OF 2

LABORATORY CLIENT: Avocet Environmental, Inc.	CLIENT PROJECT NAME / NUMBER: Fairview Developmental Center / 1431.005	P.O. NO:	
ADDRESS: 1 Technology, Suite C515	PROJECT ADDRESS: 2501 Harbor Blvd	LAB CONTACT OR QUOTE NO: Virendra Patel	
CITY: Irvine STATE: CA ZIP: 92618	CITY: Cost Mesa STATE: CA ZIP: 92626	SAMPLER(S): (PRINT) Avo	
TEL: (949) 296-0977 E-MAIL: sruud@avocetenv.com	PROJECT CONTACT: Scott Ruud		

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☑ STANDARD

☑ EDD ☑ UNITS **Please report VOCs as µg/m³**

SPECIAL INSTRUCTIONS:

Please bill to Avocet.

If any questions, please call Scott Ruud @ (949) 296 0977 Ext.115

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment: Media ID #	Sampling Equipment: Canister Size 6L or 1L	Sampling Equipment: Flow Controller ID #	Start Sampling Information: Date	Start Sampling Information: Time (24 hr clock)	Start Sampling Information: Canister Pressure ("Hg)	Stop Sampling Information: Date	Stop Sampling Information: Time (24 hr clock)	Stop Sampling Information: Canister Pressure ("Hg)	VOCs EPA TO-15 (incl Fuel Oxys)	LDC = 1,1-DFA	
1	MC-SV- 1 _5	SV	SLC076	1L	SGM442	4-19-2021	9:03	31	4-19-2021	9:08	6	X	X	
2	MC-SV- 1 _15	↓	SLC166	↓	SGM205	↓	9:04	30	↓	9:09	5	X	X	
3	MC-SV- 3 _5		LC 802		SGM448		9:39	30		9:44	5	X	X	
4	MC-SV- 3 _15		LC 1217		SGM509		9:40	31		9:45	5	X	X	
5	MC-SV- 4 _5		LC 1094		SGM416		11:09	30		11:15	5	X	X	
6	MC-SV- 4 _15		LC 685		SGM368		11:10	30		11:18	5	X	X	
7	MC-SV- 6 _5		SLC058		SGM371		10:29	30		10:34	6	X	X	
8	MC-SV- 6 _15		LC 531		SGM139		10:30	30		10:40	6	X	X	
9	MC-SV- 7 _5		LC 480		SGM452		11:44	30		11:49	5	X	X	
10	MC-SV- 7 _15		LC 747		SGM335		11:45	30		11:50	5	X	X	
11	MC-SV- 8 _5		LC 933		SGM461		12:29	29		12:34	5	X	X	
12	MC-SV- 8 _15	↓	LC 1072	↓	SGM179	↓	12:30	32	↓	12:37	12	X	X	
13	DUP_MC-SV- 4 _15	SV	LC 986	1L	SGM368	4-19-2021	11:10	30	4-19-2021	11:18	5	X	X	

Relinquished by: (Signature)	Received by: (Signature/Affiliation) Danny Li EZ	Date: 4/19/21	Time: 16:34
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time

EurofinsCalscience COC Template

4/26/2021

56905

AIR CHAIN OF CUSTODY RECORD

AVOCET ENVIRONMENTAL, INC
1 Technology Drive, Suite C515
Irvine, California 92618-5302
TEL (949) 296-0977
FAX (949) 296-0978

WO # / LAB USE ONLY

DATE: 4/19/2021

PAGE: 2 OF 2

LABORATORY CLIENT: Avocet Environmental, Inc.	CLIENT PROJECT NAME / NUMBER: Fairview Developmental Center / 1431.005	P.O. NO.	
ADDRESS: 1 Technology, Suite C515	PROJECT ADDRESS: 2501 Harbor Blvd	LAB CONTACT OR QUOTE NO: Virendra Patel	
CITY: Irvine STATE: CA ZIP: 92618	CITY: Cost Mesa STATE: CA ZIP: 92626		
TEL.: (949) 296-0977 E-MAIL: sruud@avocetenv.com	PROJECT CONTACT: Scott Ruud	SAMPLER(S) (PRINT): Ave	

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD")

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☑ STANDARD

☑ EDD ☑ UNITS **Please report VOCs as µg/m³**

SPECIAL INSTRUCTIONS.

Please bill to Avocet.

If any questions, please call Scott Ruud @ (949) 296 0977 Ext.115

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment: Media ID #	Canister Size 6L or 1L	Flow Controller ID #	Start Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	VOCs EPA TO-15 (incl Fuel Oxys)	LDC = 1,1-DFA
14	MC-SV- 9 _5	SV	LC756	1L	SGM120	4-19-2021	13:04	30	4-19-2021	13:09	6	X	X
15	MC-SV- 9 _15	↓	LC408	↓	SGM253	↓	13:05	32	↓	13:10	6	X	X
16	MC-SV- 10 _5		LC765		SGM406		8:25	32		8:30	5	X	X
17	MC-SV- 10 _15		LC643		SGM363		8:26	30		8:31	6	X	X
18	MC-SV- 11 _5		SLC085		SGM378		14:08	31		14:13	5	X	X
19	MC-SV- 11 _15		LC613		SGM379		14:09	30		14:20	12	X	X
20	MC-SV- 12 _5		LC1239		SGM024		13:37	31		13:42	21	X	X
21	MC-SV- 12 _15	↓	LC265	↓	SGM146	↓	13:38	31	↓	13:43	5	X	X
	~~MC-SV- _5~~												
	~~MC-SV- _15~~												
	~~MC-SV- _5~~												
	~~MC-SV- _15~~												
22	DUP_MC-SV- 6 _15	SV	LC793	1L	SGM139	4-19-2021	10:30	30	4-19-2021	10:40	6	X	X

Relinquished by: (Signature)	Received by: (Signature/Affiliation) Danny L EZ	Date: 4/19/21	Time: 16:34
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date	Time

EurofinsCalscience COC Template

Login Sample Receipt Checklist

Client: Avocet Environmental Inc

Job Number: 570-56905-1

Login Number: 56905
List Number: 1
Creator: Cruise, Noel

List Source: Eurofins Calscience

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

Summa Canister Dilution Worksheet

Client: Avocet Environmental Inc
Project/Site: Fairview Development Center / 1431.005

Job No.: 570-56905-1

Lab Sample ID	Canister Volume (L)	Presampling Pressure ("Hg)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initials
570-56905-1	1	-29.5	-4.0	0.87	0.87	-1.96462	0.87	0.87		1.00	1.00	AIR MG-6	04/20/21 19:26	UHOG
570-56905-2	1	-29.5	-6.0	0.80	0.80	-2.94692	0.80	0.80		1.00	1.00	AIR MG-6	04/20/21 19:27	UHOG
570-56905-2	1	-29.5	-11.2	0.63	0.63	0.0	1.00	1.00		1.60	1.60	AIR MG-6	04/23/21 17:01	XKG5
570-56905-3	1	-29.5	-7.0	0.77	0.77	-3.43808	0.77	0.77		1.00	1.00	AIR MG-6	04/20/21 19:28	UHOG
570-56905-4	1	-29.5	-6.0	0.80	0.80	-2.94692	0.80	0.80		1.00	1.00	AIR MG-6	04/20/21 19:28	UHOG
570-56905-5	1	-29.5	-5.0	0.83	0.83	-2.45577	0.83	0.83		1.00	1.00	AIR MG-6	04/20/21 19:29	UHOG
570-56905-5	1	-29.5	-14.0	0.53	0.53	0.0	1.00	1.00		1.88	1.88	AIR MG-6	04/23/21 17:00	XKG5
570-56905-6	1	-29.5	-6.0	0.80	0.80	-2.94692	0.80	0.80		1.00	1.00	AIR MG-6	04/20/21 19:30	UHOG
570-56905-7	1	-29.5	-5.0	0.83	0.83	-2.45577	0.83	0.83		1.00	1.00	AIR MG-6	04/20/21 19:30	UHOG
570-56905-7	1	-29.5	-10	0.67	0.67	0.4	1.03	1.03		1.54	1.54	AIR MG-6	04/23/21 16:38	USQD
570-56905-8	1	-29.5	-5.0	0.83	0.83	-2.45577	0.83	0.83		1.00	1.00	AIR MG-6	04/20/21 19:31	UHOG
570-56905-9	1	-29.5	-8.0	0.73	0.73	-3.92923	0.73	0.73		1.00	1.00	AIR MG-6	04/20/21 19:31	UHOG
570-56905-9	1	-29.5	-14.6	0.51	0.51	-1.277	0.91	0.91		1.78	1.78	AIR MG-6	04/22/21 3:34	UHOG
570-56905-10	1	-29.5	-6.0	0.80	0.80	-2.94692	0.80	0.80		1.00	1.00	AIR MG-6	04/20/21 19:32	UHOG
570-56905-10	1	-29.5	-8.2	0.73	0.73	-1.08054	0.93	0.93		1.28	1.28	AIR MG-6	04/22/21 3:36	UHOG
570-56905-11	1	-29.5	-5.2	0.83	0.83	-2.554	0.83	0.83		1.00	1.00	AIR MG-6	04/20/21 19:32	UHOG
570-56905-11	1	-29.5	-15.6	0.48	0.48	-0.785847	0.95	0.95		1.98	1.98	AIR MG-6	04/22/21 3:37	UHOG
570-56905-12	1	-29.5	-10.0	0.67	0.67	-0.982308	0.93	0.93		1.40	1.40	AIR MG-6	04/20/21 19:32	UHOG
570-56905-12	1	-29.5	-14.6	0.51	0.51	-0.982308	0.93	0.93		1.82	2.55	AIR MG-6	04/22/21 3:39	UHOG

Summa Canister Dilution Worksheet

Client: Avocet Environmental Inc
Project/Site: Fairview Development Center / 1431.005

Job No.: 570-56905-1

Lab Sample ID	Canister Volume (L)	Presampling Pressure ("Hg)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initials
570-56905-13	1	-29.5	-7.2	0.76	0.76	-3.53631	0.76	0.76		1.00	1.00	AIR MG-6	04/20/21 19:33	UHOG
570-56905-13	1	-29.5	-16.0	0.47	0.47	-1.08054	0.93	0.93		1.99	1.99	AIR MG-6	04/22/21 3:59	UHOG
570-56905-14	1	-29.5	-7.6	0.75	0.75	-3.73277	0.75	0.75		1.00	1.00	AIR MG-6	04/20/21 19:36	UHOG
570-56905-14	1	-29.5	-16.2	0.46	0.46	-0.687616	0.95	0.95		2.08	2.08	AIR MG-6	04/22/21 4:01	UHOG
570-56905-15	1	-29.5	-4.6	0.85	0.85	-2.25931	0.85	0.85		1.00	1.00	AIR MG-6	04/20/21 19:37	UHOG
570-56905-15	1	-29.5	-15.0	0.50	0.50	-0.491154	0.97	0.97		1.94	1.94	AIR MG-6	04/22/21 4:02	UHOG
570-56905-16	1	-29.5	-4.2	0.86	0.86	-2.06285	0.86	0.86		1.00	1.00	AIR MG-6	04/20/21 19:43	UHOG
570-56905-16	1	-29.5	-8.6	0.71	0.71	-0.982308	0.93	0.93		1.31	1.31	AIR MG-6	04/22/21 4:03	UHOG
570-56905-17	1	-29.5	-5.2	0.83	0.83	-2.554	0.83	0.83		1.00	1.00	AIR MG-6	04/20/21 20:40	XKG5
570-56905-17	1	-29.5	-15.4	0.49	0.49	-0.589385	0.96	0.96		1.98	1.98	AIR MG-6	04/22/21 4:03	UHOG
570-56905-18	1	-29.5	-5.2	0.83	0.83	-2.554	0.83	0.83		1.00	1.00	AIR MG-6	04/20/21 20:41	XKG5
570-56905-19	1	-29.5	-13.0	0.57	0.57	-6.385	0.57	0.57		1.00	1.00	AIR MG-6	04/20/21 20:41	XKG5
570-56905-20	1	-29.5	-19.0	0.36	0.36	-9.33193	0.36	0.36		1.00	1.00	AIR MG-6	04/20/21 20:42	XKG5
570-56905-20	1	-29.5	-21.0	0.30	0.30	-2.06285	0.86	0.86		2.88	2.88	AIR MG-6	04/23/21 1:58	UHOG
570-56905-21	1	-29.5	-4.6	0.85	0.85	-2.25931	0.85	0.85		1.00	1.00	AIR MG-6	04/20/21 20:43	XKG5
570-56905-21	1	-29.5	-15.2	0.49	0.49	0	1.00	1.00		2.03	2.03	AIR MG-6	04/22/21 12:31	USQD
570-56905-22	1	-29.5	-6.0	0.80	0.80	-2.94692	0.80	0.80		1.00	1.00	AIR MG-6	04/20/21 20:43	XKG5

Summa Canister Dilution Worksheet

Client: Avocet Environmental Inc
Project/Site: Fairview Development Center / 1431.005

Job No.: 570-56905-1

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg
Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-57002-1
Client Project/Site: Fairview Development Center / 1431.005

For:
Avocet Environmental Inc
1 Technology Drive
Suite C515
Irvine, California 92618

Attn: Deke Siren

Virendra R Patel

Authorized for release by:
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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Glossary

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

Job ID: 570-57002-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-57002-1

Comments
No additional comments.

Receipt
The samples were received on 4/20/2021 2:47 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 22.0º C.

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

Detection Summary

Client: Avocet Environmental Inc
Project/Site: Fairview Development Center / 1431.005

Job ID: 570-57002-1

Client Sample ID: MC-SV-2_5 — Lab Sample ID: 570-57002-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.8		5.6		ug/m3	1.183		TO-15	Total/NA
Tetrachloroethene	33		4.0		ug/m3	1.183		TO-15	Total/NA
Trichlorofluoromethane	150		6.6		ug/m3	1.183		TO-15	Total/NA

Client Sample ID: MC-SV-2_15 — Lab Sample ID: 570-57002-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	10		6.4		ug/m3	1.351		TO-15	Total/NA
Tetrachloroethene	32		4.6		ug/m3	1.351		TO-15	Total/NA
Ethanol	16		13		ug/m3	1.351		TO-15	Total/NA
Trichlorofluoromethane	210		7.6		ug/m3	1.351		TO-15	Total/NA

Client Sample ID: MC-SV-5_5 — Lab Sample ID: 570-57002-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.5		4.8		ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	2.5		2.5		ug/m3	1		TO-15	Total/NA
o-Xylene	3.9		2.2		ug/m3	1		TO-15	Total/NA
Tetrachloroethene	17		3.4		ug/m3	1		TO-15	Total/NA
Toluene	3.9		1.9		ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	18		5.6		ug/m3	1		TO-15	Total/NA

Client Sample ID: MC-SV-5_15 — Lab Sample ID: 570-57002-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16		5.9		ug/m3	1.25		TO-15	Total/NA
o-Xylene	3.6		2.7		ug/m3	1.25		TO-15	Total/NA
Tetrachloroethene	29		4.2		ug/m3	1.25		TO-15	Total/NA
Toluene	4.0		2.4		ug/m3	1.25		TO-15	Total/NA
Ethanol	13		12		ug/m3	1.25		TO-15	Total/NA
Trichlorofluoromethane	41		7.0		ug/m3	1.25		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Client Sample ID: MC-SV-2_5
Lab Sample ID: 570-57002-1
Date Collected: 04/20/21 09:30
Matrix: Air
Date Received: 04/20/21 14:47
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.2		ug/m3			04/23/21 11:21	1.183
1,1,2,2-Tetrachloroethane	ND		8.1		ug/m3			04/23/21 11:21	1.183
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		14		ug/m3			04/23/21 11:21	1.183
1,1,2-Trichloroethane	ND		3.2		ug/m3			04/23/21 11:21	1.183
1,1-Dichloroethane	ND		2.4		ug/m3			04/23/21 11:21	1.183
1,1-Dichloroethene	ND		2.3		ug/m3			04/23/21 11:21	1.183
1,1-Difluoroethane	ND		6.4		ug/m3			04/23/21 11:21	1.183
1,2,4-Trichlorobenzene	ND		18		ug/m3			04/23/21 11:21	1.183
1,2,4-Trimethylbenzene	ND		8.7		ug/m3			04/23/21 11:21	1.183
1,2-Dibromo-3-Chloropropane	ND		17		ug/m3			04/23/21 11:21	1.183
1,2-Dibromoethane	ND		4.5		ug/m3			04/23/21 11:21	1.183
1,2-Dichlorobenzene	ND		3.6		ug/m3			04/23/21 11:21	1.183
1,2-Dichloroethane	ND		2.4		ug/m3			04/23/21 11:21	1.183
1,2-Dichloropropane	ND		2.7		ug/m3			04/23/21 11:21	1.183
1,3,5-Trimethylbenzene	ND		2.9		ug/m3			04/23/21 11:21	1.183
1,3-Dichlorobenzene	ND		3.6		ug/m3			04/23/21 11:21	1.183
1,4-Dichlorobenzene	ND		3.6		ug/m3			04/23/21 11:21	1.183
2-Butanone	ND		5.2		ug/m3			04/23/21 11:21	1.183
2-Hexanone	ND		7.3		ug/m3			04/23/21 11:21	1.183
4-Ethyltoluene	ND		2.9		ug/m3			04/23/21 11:21	1.183
4-Methyl-2-pentanone	ND		7.3		ug/m3			04/23/21 11:21	1.183
Acetone	**5.8**		5.6		ug/m3			04/23/21 11:21	1.183
Benzene	ND		1.9		ug/m3			04/23/21 11:21	1.183
Benzyl chloride	ND		9.2		ug/m3			04/23/21 11:21	1.183
Bromodichloromethane	ND		4.0		ug/m3			04/23/21 11:21	1.183
Bromoform	ND		6.1		ug/m3			04/23/21 11:21	1.183
Bromomethane	ND		2.3		ug/m3			04/23/21 11:21	1.183
cis-1,2-Dichloroethene	ND		2.3		ug/m3			04/23/21 11:21	1.183
cis-1,3-Dichloropropene	ND		2.7		ug/m3			04/23/21 11:21	1.183
Carbon disulfide	ND		7.4		ug/m3			04/23/21 11:21	1.183
Carbon tetrachloride	ND		3.7		ug/m3			04/23/21 11:21	1.183
Chlorobenzene	ND		2.7		ug/m3			04/23/21 11:21	1.183
Chloroethane	ND		1.6		ug/m3			04/23/21 11:21	1.183
Chloroform	ND		2.9		ug/m3			04/23/21 11:21	1.183
Chloromethane	ND		1.2		ug/m3			04/23/21 11:21	1.183
Dibromochloromethane	ND		5.0		ug/m3			04/23/21 11:21	1.183
Dichlorodifluoromethane	ND		2.9		ug/m3			04/23/21 11:21	1.183
Dichlorotetrafluoroethane	ND		17		ug/m3			04/23/21 11:21	1.183
Ethylbenzene	ND		2.6		ug/m3			04/23/21 11:21	1.183
Hexachloro-1,3-butadiene	ND		19		ug/m3			04/23/21 11:21	1.183
Isopropanol	ND		15		ug/m3			04/23/21 11:21	1.183
Methylene Chloride	ND		21		ug/m3			04/23/21 11:21	1.183
Methyl-t-Butyl Ether (MTBE)	ND		8.5		ug/m3			04/23/21 11:21	1.183
n-Butylbenzene	ND		9.7		ug/m3			04/23/21 11:21	1.183
o-Xylene	ND		2.6		ug/m3			04/23/21 11:21	1.183
m,p-Xylene	ND		10		ug/m3			04/23/21 11:21	1.183
sec-Butylbenzene	ND		9.7		ug/m3			04/23/21 11:21	1.183
Styrene	ND		7.6		ug/m3			04/23/21 11:21	1.183

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: MC-SV-2_5
Lab Sample ID: 570-57002-1
Date Collected: 04/20/21 09:30
Matrix: Air
Date Received: 04/20/21 14:47
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		2.3		ug/m3			04/23/21 11:21	1.183
trans-1,3-Dichloropropene	ND		5.4		ug/m3			04/23/21 11:21	1.183
tert-Butylbenzene	ND		9.7		ug/m3			04/23/21 11:21	1.183
Tetrachloroethene	**33**		4.0		ug/m3			04/23/21 11:21	1.183
Di-isopropyl ether (DIPE)	ND		9.9		ug/m3			04/23/21 11:21	1.183
Toluene	ND		2.2		ug/m3			04/23/21 11:21	1.183
Ethanol	ND		11		ug/m3			04/23/21 11:21	1.183
Trichloroethene	ND		3.2		ug/m3			04/23/21 11:21	1.183
Trichlorofluoromethane	**150**		6.6		ug/m3			04/23/21 11:21	1.183
Vinyl acetate	ND		8.3		ug/m3			04/23/21 11:21	1.183
Vinyl chloride	ND		1.5		ug/m3			04/23/21 11:21	1.183
Ethyl-t-butyl ether (ETBE)	ND		9.9		ug/m3			04/23/21 11:21	1.183
Tert-amyl methyl ether	ND		9.9		ug/m3			04/23/21 11:21	1.183
tert-Butyl alcohol (TBA)	ND		7.2		ug/m3			04/23/21 11:21	1.183

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*04/23/21 11:21*	*1.183*
4-Bromofluorobenzene (Surr)	*98*		*67 - 131*		*04/23/21 11:21*	*1.183*
Toluene-d8 (Surr)	*98*		*70 - 130*		*04/23/21 11:21*	*1.183*

Client Sample ID: MC-SV-2_15
Lab Sample ID: 570-57002-2
Date Collected: 04/20/21 09:31
Matrix: Air
Date Received: 04/20/21 14:47
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.7		ug/m3			04/23/21 12:17	1.351
1,1,2,2-Tetrachloroethane	ND		9.3		ug/m3			04/23/21 12:17	1.351
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		16		ug/m3			04/23/21 12:17	1.351
1,1,2-Trichloroethane	ND		3.7		ug/m3			04/23/21 12:17	1.351
1,1-Dichloroethane	ND		2.7		ug/m3			04/23/21 12:17	1.351
1,1-Dichloroethene	ND		2.7		ug/m3			04/23/21 12:17	1.351
1,1-Difluoroethane	ND		7.3		ug/m3			04/23/21 12:17	1.351
1,2,4-Trichlorobenzene	ND		20		ug/m3			04/23/21 12:17	1.351
1,2,4-Trimethylbenzene	ND		10		ug/m3			04/23/21 12:17	1.351
1,2-Dibromo-3-Chloropropane	ND		20		ug/m3			04/23/21 12:17	1.351
1,2-Dibromoethane	ND		5.2		ug/m3			04/23/21 12:17	1.351
1,2-Dichlorobenzene	ND		4.1		ug/m3			04/23/21 12:17	1.351
1,2-Dichloroethane	ND		2.7		ug/m3			04/23/21 12:17	1.351
1,2-Dichloropropane	ND		3.1		ug/m3			04/23/21 12:17	1.351
1,3,5-Trimethylbenzene	ND		3.3		ug/m3			04/23/21 12:17	1.351
1,3-Dichlorobenzene	ND		4.1		ug/m3			04/23/21 12:17	1.351
1,4-Dichlorobenzene	ND		4.1		ug/m3			04/23/21 12:17	1.351
2-Butanone	ND		6.0		ug/m3			04/23/21 12:17	1.351
2-Hexanone	ND		8.3		ug/m3			04/23/21 12:17	1.351
4-Ethyltoluene	ND		3.3		ug/m3			04/23/21 12:17	1.351
4-Methyl-2-pentanone	ND		8.3		ug/m3			04/23/21 12:17	1.351
Acetone	**10**		6.4		ug/m3			04/23/21 12:17	1.351
Benzene	ND		2.2		ug/m3			04/23/21 12:17	1.351
Benzyl chloride	ND		10		ug/m3			04/23/21 12:17	1.351

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: MC-SV-2_15
Lab Sample ID: 570-57002-2
Date Collected: 04/20/21 09:31
Matrix: Air
Date Received: 04/20/21 14:47
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		4.5		ug/m3			04/23/21 12:17	1.351
Bromoform	ND		7.0		ug/m3			04/23/21 12:17	1.351
Bromomethane	ND		2.6		ug/m3			04/23/21 12:17	1.351
cis-1,2-Dichloroethene	ND		2.7		ug/m3			04/23/21 12:17	1.351
cis-1,3-Dichloropropene	ND		3.1		ug/m3			04/23/21 12:17	1.351
Carbon disulfide	ND		8.4		ug/m3			04/23/21 12:17	1.351
Carbon tetrachloride	ND		4.2		ug/m3			04/23/21 12:17	1.351
Chlorobenzene	ND		3.1		ug/m3			04/23/21 12:17	1.351
Chloroethane	ND		1.8		ug/m3			04/23/21 12:17	1.351
Chloroform	ND		3.3		ug/m3			04/23/21 12:17	1.351
Chloromethane	ND		1.4		ug/m3			04/23/21 12:17	1.351
Dibromochloromethane	ND		5.8		ug/m3			04/23/21 12:17	1.351
Dichlorodifluoromethane	ND		3.3		ug/m3			04/23/21 12:17	1.351
Dichlorotetrafluoroethane	ND		19		ug/m3			04/23/21 12:17	1.351
Ethylbenzene	ND		2.9		ug/m3			04/23/21 12:17	1.351
Hexachloro-1,3-butadiene	ND		22		ug/m3			04/23/21 12:17	1.351
Isopropanol	ND		17		ug/m3			04/23/21 12:17	1.351
Methylene Chloride	ND		23		ug/m3			04/23/21 12:17	1.351
Methyl-t-Butyl Ether (MTBE)	ND		9.7		ug/m3			04/23/21 12:17	1.351
n-Butylbenzene	ND		11		ug/m3			04/23/21 12:17	1.351
o-Xylene	ND		2.9		ug/m3			04/23/21 12:17	1.351
m,p-Xylene	ND		12		ug/m3			04/23/21 12:17	1.351
sec-Butylbenzene	ND		11		ug/m3			04/23/21 12:17	1.351
Styrene	ND		8.6		ug/m3			04/23/21 12:17	1.351
trans-1,2-Dichloroethene	ND		2.7		ug/m3			04/23/21 12:17	1.351
trans-1,3-Dichloropropene	ND		6.1		ug/m3			04/23/21 12:17	1.351
tert-Butylbenzene	ND		11		ug/m3			04/23/21 12:17	1.351
Tetrachloroethene	**32**		4.6		ug/m3			04/23/21 12:17	1.351
Di-isopropyl ether (DIPE)	ND		11		ug/m3			04/23/21 12:17	1.351
Toluene	ND		2.5		ug/m3			04/23/21 12:17	1.351
Ethanol	**16**		13		ug/m3			04/23/21 12:17	1.351
Trichloroethene	ND		3.6		ug/m3			04/23/21 12:17	1.351
Trichlorofluoromethane	**210**		7.6		ug/m3			04/23/21 12:17	1.351
Vinyl acetate	ND		9.5		ug/m3			04/23/21 12:17	1.351
Vinyl chloride	ND		1.7		ug/m3			04/23/21 12:17	1.351
Ethyl-t-butyl ether (ETBE)	ND		11		ug/m3			04/23/21 12:17	1.351
Tert-amyl methyl ether	ND		11		ug/m3			04/23/21 12:17	1.351
tert-Butyl alcohol (TBA)	ND		8.2		ug/m3			04/23/21 12:17	1.351

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*04/23/21 12:17*	*1.351*
4-Bromofluorobenzene (Surr)	*98*		*67 - 131*		*04/23/21 12:17*	*1.351*
Toluene-d8 (Surr)	*99*		*70 - 130*		*04/23/21 12:17*	*1.351*

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Client Sample ID: MC-SV-5_5
Lab Sample ID: 570-57002-3
Date Collected: 04/20/21 09:05
Matrix: Air
Date Received: 04/20/21 14:47
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7		ug/m3			04/23/21 13:12	1
1,1,2,2-Tetrachloroethane	ND		6.9		ug/m3			04/23/21 13:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11		ug/m3			04/23/21 13:12	1
1,1,2-Trichloroethane	ND		2.7		ug/m3			04/23/21 13:12	1
1,1-Dichloroethane	ND		2.0		ug/m3			04/23/21 13:12	1
1,1-Dichloroethene	ND		2.0		ug/m3			04/23/21 13:12	1
1,1-Difluoroethane	ND		5.4		ug/m3			04/23/21 13:12	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			04/23/21 13:12	1
1,2,4-Trimethylbenzene	ND		7.4		ug/m3			04/23/21 13:12	1
1,2-Dibromo-3-Chloropropane	ND		14		ug/m3			04/23/21 13:12	1
1,2-Dibromoethane	ND		3.8		ug/m3			04/23/21 13:12	1
1,2-Dichlorobenzene	ND		3.0		ug/m3			04/23/21 13:12	1
1,2-Dichloroethane	ND		2.0		ug/m3			04/23/21 13:12	1
1,2-Dichloropropane	ND		2.3		ug/m3			04/23/21 13:12	1
1,3,5-Trimethylbenzene	ND		2.5		ug/m3			04/23/21 13:12	1
1,3-Dichlorobenzene	ND		3.0		ug/m3			04/23/21 13:12	1
1,4-Dichlorobenzene	ND		3.0		ug/m3			04/23/21 13:12	1
2-Butanone	ND		4.4		ug/m3			04/23/21 13:12	1
2-Hexanone	ND		6.1		ug/m3			04/23/21 13:12	1
4-Ethyltoluene	ND		2.5		ug/m3			04/23/21 13:12	1
4-Methyl-2-pentanone	ND		6.1		ug/m3			04/23/21 13:12	1
Acetone	**5.5**		4.8		ug/m3			04/23/21 13:12	1
Benzene	ND		1.6		ug/m3			04/23/21 13:12	1
Benzyl chloride	ND		7.8		ug/m3			04/23/21 13:12	1
Bromodichloromethane	ND		3.4		ug/m3			04/23/21 13:12	1
Bromoform	ND		5.2		ug/m3			04/23/21 13:12	1
Bromomethane	ND		1.9		ug/m3			04/23/21 13:12	1
cis-1,2-Dichloroethene	ND		2.0		ug/m3			04/23/21 13:12	1
cis-1,3-Dichloropropene	ND		2.3		ug/m3			04/23/21 13:12	1
Carbon disulfide	ND		6.2		ug/m3			04/23/21 13:12	1
Carbon tetrachloride	ND		3.1		ug/m3			04/23/21 13:12	1
Chlorobenzene	ND		2.3		ug/m3			04/23/21 13:12	1
Chloroethane	ND		1.3		ug/m3			04/23/21 13:12	1
Chloroform	ND		2.4		ug/m3			04/23/21 13:12	1
Chloromethane	ND		1.0		ug/m3			04/23/21 13:12	1
Dibromochloromethane	ND		4.3		ug/m3			04/23/21 13:12	1
Dichlorodifluoromethane	**2.5**		2.5		ug/m3			04/23/21 13:12	1
Dichlorotetrafluoroethane	ND		14		ug/m3			04/23/21 13:12	1
Ethylbenzene	ND		2.2		ug/m3			04/23/21 13:12	1
Hexachloro-1,3-butadiene	ND		16		ug/m3			04/23/21 13:12	1
Isopropanol	ND		12		ug/m3			04/23/21 13:12	1
Methylene Chloride	ND		17		ug/m3			04/23/21 13:12	1
Methyl-t-Butyl Ether (MTBE)	ND		7.2		ug/m3			04/23/21 13:12	1
n-Butylbenzene	ND		8.2		ug/m3			04/23/21 13:12	1
o-Xylene	**3.9**		2.2		ug/m3			04/23/21 13:12	1
m,p-Xylene	ND		8.7		ug/m3			04/23/21 13:12	1
sec-Butylbenzene	ND		8.2		ug/m3			04/23/21 13:12	1
Styrene	ND		6.4		ug/m3			04/23/21 13:12	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: MC-SV-5_5
Lab Sample ID: 570-57002-3
Date Collected: 04/20/21 09:05
Matrix: Air
Date Received: 04/20/21 14:47
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		2.0		ug/m3			04/23/21 13:12	1
trans-1,3-Dichloropropene	ND		4.5		ug/m3			04/23/21 13:12	1
tert-Butylbenzene	ND		8.2		ug/m3			04/23/21 13:12	1
Tetrachloroethene	**17**		3.4		ug/m3			04/23/21 13:12	1
Di-isopropyl ether (DIPE)	ND		8.4		ug/m3			04/23/21 13:12	1
Toluene	**3.9**		1.9		ug/m3			04/23/21 13:12	1
Ethanol	ND		9.4		ug/m3			04/23/21 13:12	1
Trichloroethene	ND		2.7		ug/m3			04/23/21 13:12	1
Trichlorofluoromethane	**18**		5.6		ug/m3			04/23/21 13:12	1
Vinyl acetate	ND		7.0		ug/m3			04/23/21 13:12	1
Vinyl chloride	ND		1.3		ug/m3			04/23/21 13:12	1
Ethyl-t-butyl ether (ETBE)	ND		8.4		ug/m3			04/23/21 13:12	1
Tert-amyl methyl ether	ND		8.4		ug/m3			04/23/21 13:12	1
tert-Butyl alcohol (TBA)	ND		6.1		ug/m3			04/23/21 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*04/23/21 13:12*	*1*
4-Bromofluorobenzene (Surr)	*104*		*67 - 131*		*04/23/21 13:12*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*04/23/21 13:12*	*1*

Client Sample ID: MC-SV-5_15
Lab Sample ID: 570-57002-4
Date Collected: 04/20/21 09:06
Matrix: Air
Date Received: 04/20/21 14:47
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.4		ug/m3			04/23/21 14:07	1.25
1,1,2,2-Tetrachloroethane	ND		8.6		ug/m3			04/23/21 14:07	1.25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		14		ug/m3			04/23/21 14:07	1.25
1,1,2-Trichloroethane	ND		3.4		ug/m3			04/23/21 14:07	1.25
1,1-Dichloroethane	ND		2.5		ug/m3			04/23/21 14:07	1.25
1,1-Dichloroethene	ND		2.5		ug/m3			04/23/21 14:07	1.25
1,1-Difluoroethane	ND		6.8		ug/m3			04/23/21 14:07	1.25
1,2,4-Trichlorobenzene	ND		19		ug/m3			04/23/21 14:07	1.25
1,2,4-Trimethylbenzene	ND		9.2		ug/m3			04/23/21 14:07	1.25
1,2-Dibromo-3-Chloropropane	ND		18		ug/m3			04/23/21 14:07	1.25
1,2-Dibromoethane	ND		4.8		ug/m3			04/23/21 14:07	1.25
1,2-Dichlorobenzene	ND		3.8		ug/m3			04/23/21 14:07	1.25
1,2-Dichloroethane	ND		2.5		ug/m3			04/23/21 14:07	1.25
1,2-Dichloropropane	ND		2.9		ug/m3			04/23/21 14:07	1.25
1,3,5-Trimethylbenzene	ND		3.1		ug/m3			04/23/21 14:07	1.25
1,3-Dichlorobenzene	ND		3.8		ug/m3			04/23/21 14:07	1.25
1,4-Dichlorobenzene	ND		3.8		ug/m3			04/23/21 14:07	1.25
2-Butanone	ND		5.5		ug/m3			04/23/21 14:07	1.25
2-Hexanone	ND		7.7		ug/m3			04/23/21 14:07	1.25
4-Ethyltoluene	ND		3.1		ug/m3			04/23/21 14:07	1.25
4-Methyl-2-pentanone	ND		7.7		ug/m3			04/23/21 14:07	1.25
Acetone	**16**		5.9		ug/m3			04/23/21 14:07	1.25
Benzene	ND		2.0		ug/m3			04/23/21 14:07	1.25
Benzyl chloride	ND		9.7		ug/m3			04/23/21 14:07	1.25

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: MC-SV-5_15
Lab Sample ID: 570-57002-4
Date Collected: 04/20/21 09:06
Matrix: Air
Date Received: 04/20/21 14:47
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		4.2		ug/m3			04/23/21 14:07	1.25
Bromoform	ND		6.5		ug/m3			04/23/21 14:07	1.25
Bromomethane	ND		2.4		ug/m3			04/23/21 14:07	1.25
cis-1,2-Dichloroethene	ND		2.5		ug/m3			04/23/21 14:07	1.25
cis-1,3-Dichloropropene	ND		2.8		ug/m3			04/23/21 14:07	1.25
Carbon disulfide	ND		7.8		ug/m3			04/23/21 14:07	1.25
Carbon tetrachloride	ND		3.9		ug/m3			04/23/21 14:07	1.25
Chlorobenzene	ND		2.9		ug/m3			04/23/21 14:07	1.25
Chloroethane	ND		1.6		ug/m3			04/23/21 14:07	1.25
Chloroform	ND		3.1		ug/m3			04/23/21 14:07	1.25
Chloromethane	ND		1.3		ug/m3			04/23/21 14:07	1.25
Dibromochloromethane	ND		5.3		ug/m3			04/23/21 14:07	1.25
Dichlorodifluoromethane	ND		3.1		ug/m3			04/23/21 14:07	1.25
Dichlorotetrafluoroethane	ND		17		ug/m3			04/23/21 14:07	1.25
Ethylbenzene	ND		2.7		ug/m3			04/23/21 14:07	1.25
Hexachloro-1,3-butadiene	ND		20		ug/m3			04/23/21 14:07	1.25
Isopropanol	ND		15		ug/m3			04/23/21 14:07	1.25
Methylene Chloride	ND		22		ug/m3			04/23/21 14:07	1.25
Methyl-t-Butyl Ether (MTBE)	ND		9.0		ug/m3			04/23/21 14:07	1.25
n-Butylbenzene	ND		10		ug/m3			04/23/21 14:07	1.25
o-Xylene	**3.6**		2.7		ug/m3			04/23/21 14:07	1.25
m,p-Xylene	ND		11		ug/m3			04/23/21 14:07	1.25
sec-Butylbenzene	ND		10		ug/m3			04/23/21 14:07	1.25
Styrene	ND		8.0		ug/m3			04/23/21 14:07	1.25
trans-1,2-Dichloroethene	ND		2.5		ug/m3			04/23/21 14:07	1.25
trans-1,3-Dichloropropene	ND		5.7		ug/m3			04/23/21 14:07	1.25
tert-Butylbenzene	ND		10		ug/m3			04/23/21 14:07	1.25
Tetrachloroethene	**29**		4.2		ug/m3			04/23/21 14:07	1.25
Di-isopropyl ether (DIPE)	ND		10		ug/m3			04/23/21 14:07	1.25
Toluene	**4.0**		2.4		ug/m3			04/23/21 14:07	1.25
Ethanol	**13**		12		ug/m3			04/23/21 14:07	1.25
Trichloroethene	ND		3.4		ug/m3			04/23/21 14:07	1.25
Trichlorofluoromethane	**41**		7.0		ug/m3			04/23/21 14:07	1.25
Vinyl acetate	ND		8.8		ug/m3			04/23/21 14:07	1.25
Vinyl chloride	ND		1.6		ug/m3			04/23/21 14:07	1.25
Ethyl-t-butyl ether (ETBE)	ND		10		ug/m3			04/23/21 14:07	1.25
Tert-amyl methyl ether	ND		10		ug/m3			04/23/21 14:07	1.25
tert-Butyl alcohol (TBA)	ND		7.6		ug/m3			04/23/21 14:07	1.25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*04/23/21 14:07*	*1.25*
4-Bromofluorobenzene (Surr)	*103*		*67 - 131*		*04/23/21 14:07*	*1.25*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/23/21 14:07*	*1.25*

Surrogate Summary

Client: Avocet Environmental Inc
Job ID: 570-57002-1
Project/Site: Fairview Development Center / 1431.005

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Matrix: Air
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(70-130)	(67-131)	(70-130)
570-57002-1	MC-SV-2_5	105	98	98
570-57002-2	MC-SV-2_15	104	98	99
570-57002-3	MC-SV-5_5	104	104	102
570-57002-4	MC-SV-5_15	106	103	100
LCS 570-145574/3	Lab Control Sample	97	98	102
LCSD 570-145574/4	Lab Control Sample Dup	96	98	101
MB 570-145574/6	Method Blank	101	99	99

Surrogate Legend

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

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 570-145574/6
Matrix: Air
Analysis Batch: 145574

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7		ug/m3			04/22/21 20:54	1
1,1,2,2-Tetrachloroethane	ND		6.9		ug/m3			04/22/21 20:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11		ug/m3			04/22/21 20:54	1
1,1,2-Trichloroethane	ND		2.7		ug/m3			04/22/21 20:54	1
1,1-Dichloroethane	ND		2.0		ug/m3			04/22/21 20:54	1
1,1-Dichloroethene	ND		2.0		ug/m3			04/22/21 20:54	1
1,1-Difluoroethane	ND		5.4		ug/m3			04/22/21 20:54	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			04/22/21 20:54	1
1,2,4-Trimethylbenzene	ND		7.4		ug/m3			04/22/21 20:54	1
1,2-Dibromo-3-Chloropropane	ND		14		ug/m3			04/22/21 20:54	1
1,2-Dibromoethane	ND		3.8		ug/m3			04/22/21 20:54	1
1,2-Dichlorobenzene	ND		3.0		ug/m3			04/22/21 20:54	1
1,2-Dichloroethane	ND		2.0		ug/m3			04/22/21 20:54	1
1,2-Dichloropropane	ND		2.3		ug/m3			04/22/21 20:54	1
1,3,5-Trimethylbenzene	ND		2.5		ug/m3			04/22/21 20:54	1
1,3-Dichlorobenzene	ND		3.0		ug/m3			04/22/21 20:54	1
1,4-Dichlorobenzene	ND		3.0		ug/m3			04/22/21 20:54	1
2-Butanone	ND		4.4		ug/m3			04/22/21 20:54	1
2-Hexanone	ND		6.1		ug/m3			04/22/21 20:54	1
4-Ethyltoluene	ND		2.5		ug/m3			04/22/21 20:54	1
4-Methyl-2-pentanone	ND		6.1		ug/m3			04/22/21 20:54	1
Acetone	ND		4.8		ug/m3			04/22/21 20:54	1
Benzene	ND		1.6		ug/m3			04/22/21 20:54	1
Benzyl chloride	ND		7.8		ug/m3			04/22/21 20:54	1
Bromodichloromethane	ND		3.4		ug/m3			04/22/21 20:54	1
Bromoform	ND		5.2		ug/m3			04/22/21 20:54	1
Bromomethane	ND		1.9		ug/m3			04/22/21 20:54	1
cis-1,2-Dichloroethene	ND		2.0		ug/m3			04/22/21 20:54	1
cis-1,3-Dichloropropene	ND		2.3		ug/m3			04/22/21 20:54	1
Carbon disulfide	ND		6.2		ug/m3			04/22/21 20:54	1
Carbon tetrachloride	ND		3.1		ug/m3			04/22/21 20:54	1
Chlorobenzene	ND		2.3		ug/m3			04/22/21 20:54	1
Chloroethane	ND		1.3		ug/m3			04/22/21 20:54	1
Chloroform	ND		2.4		ug/m3			04/22/21 20:54	1
Chloromethane	ND		1.0		ug/m3			04/22/21 20:54	1
Dibromochloromethane	ND		4.3		ug/m3			04/22/21 20:54	1
Dichlorodifluoromethane	ND		2.5		ug/m3			04/22/21 20:54	1
Dichlorotetrafluoroethane	ND		14		ug/m3			04/22/21 20:54	1
Ethylbenzene	ND		2.2		ug/m3			04/22/21 20:54	1
Hexachloro-1,3-butadiene	ND		16		ug/m3			04/22/21 20:54	1
Isopropanol	ND		12		ug/m3			04/22/21 20:54	1
Methylene Chloride	ND		17		ug/m3			04/22/21 20:54	1
Methyl-t-Butyl Ether (MTBE)	ND		7.2		ug/m3			04/22/21 20:54	1
n-Butylbenzene	ND		8.2		ug/m3			04/22/21 20:54	1
o-Xylene	ND		2.2		ug/m3			04/22/21 20:54	1
m,p-Xylene	ND		8.7		ug/m3			04/22/21 20:54	1
sec-Butylbenzene	ND		8.2		ug/m3			04/22/21 20:54	1
Styrene	ND		6.4		ug/m3			04/22/21 20:54	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 570-145574/6
Matrix: Air
Analysis Batch: 145574

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		2.0		ug/m3			04/22/21 20:54	1
trans-1,3-Dichloropropene	ND		4.5		ug/m3			04/22/21 20:54	1
tert-Butylbenzene	ND		8.2		ug/m3			04/22/21 20:54	1
Tetrachloroethene	ND		3.4		ug/m3			04/22/21 20:54	1
Di-isopropyl ether (DIPE)	ND		8.4		ug/m3			04/22/21 20:54	1
Toluene	ND		1.9		ug/m3			04/22/21 20:54	1
Ethanol	ND		9.4		ug/m3			04/22/21 20:54	1
Trichloroethene	ND		2.7		ug/m3			04/22/21 20:54	1
Trichlorofluoromethane	ND		5.6		ug/m3			04/22/21 20:54	1
Vinyl acetate	ND		7.0		ug/m3			04/22/21 20:54	1
Vinyl chloride	ND		1.3		ug/m3			04/22/21 20:54	1
Ethyl-t-butyl ether (ETBE)	ND		8.4		ug/m3			04/22/21 20:54	1
Tert-amyl methyl ether	ND		8.4		ug/m3			04/22/21 20:54	1
tert-Butyl alcohol (TBA)	ND		6.1		ug/m3			04/22/21 20:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*04/22/21 20:54*	*1*
4-Bromofluorobenzene (Surr)	*99*		*67 - 131*		*04/22/21 20:54*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*04/22/21 20:54*	*1*

Lab Sample ID: LCS 570-145574/3
Matrix: Air
Analysis Batch: 145574

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	136	152.7		ug/m3		112	70 - 137
1,1,2,2-Tetrachloroethane	172	186.2		ug/m3		109	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	192	206.6		ug/m3		108	70 - 130
1,1,2-Trichloroethane	136	158.6		ug/m3		116	70 - 130
1,1-Dichloroethane	101	114.0		ug/m3		113	70 - 131
1,1-Dichloroethene	99.1	117.0		ug/m3		118	70 - 130
1,1-Difluoroethane	67.5	66.04		ug/m3		98	60 - 130
1,2,4-Trichlorobenzene	186	160.6		ug/m3		87	56 - 130
1,2,4-Trimethylbenzene	123	131.4		ug/m3		107	70 - 130
1,2-Dibromo-3-Chloropropane	242	248.3		ug/m3		103	68 - 130
1,2-Dibromoethane	192	215.3		ug/m3		112	70 - 130
1,2-Dichlorobenzene	150	158.3		ug/m3		105	70 - 130
1,2-Dichloroethane	101	112.1		ug/m3		111	70 - 134
1,2-Dichloropropane	116	134.3		ug/m3		116	70 - 130
1,3,5-Trimethylbenzene	123	134.5		ug/m3		109	70 - 130
1,3-Dichlorobenzene	150	160.2		ug/m3		107	69 - 132
1,4-Dichlorobenzene	150	159.4		ug/m3		106	67 - 132
2-Butanone	73.7	84.55		ug/m3		115	64 - 143
2-Hexanone	102	113.2		ug/m3		110	59 - 140
4-Ethyltoluene	123	134.9		ug/m3		110	70 - 130
4-Methyl-2-pentanone	102	115.8		ug/m3		113	64 - 133
Acetone	59.4	65.47		ug/m3		110	69 - 146
Benzene	79.9	99.31		ug/m3		124	70 - 133

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 570-145574/3
Matrix: Air
Analysis Batch: 145574

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzyl chloride	129	131.8		ug/m3		102	63 - 130
Bromodichloromethane	168	192.9		ug/m3		115	70 - 130
Bromoform	258	289.6		ug/m3		112	70 - 132
Bromomethane	97.1	104.6		ug/m3		108	70 - 137
cis-1,2-Dichloroethene	99.1	117.6		ug/m3		119	70 - 130
cis-1,3-Dichloropropene	113	138.0		ug/m3		122	70 - 130
Carbon disulfide	77.9	80.20		ug/m3		103	70 - 150
Carbon tetrachloride	157	174.6		ug/m3		111	70 - 130
Chlorobenzene	115	126.6		ug/m3		110	70 - 130
Chloroethane	66.0	71.34		ug/m3		108	70 - 137
Chloroform	122	131.9		ug/m3		108	70 - 132
Chloromethane	51.6	53.20		ug/m3		103	65 - 142
Dibromochloromethane	213	230.5		ug/m3		108	70 - 130
Dichlorodifluoromethane	124	129.1		ug/m3		104	70 - 142
Dichlorotetrafluoroethane	175	180.7		ug/m3		103	70 - 137
Ethylbenzene	109	125.1		ug/m3		115	70 - 130
Hexachloro-1,3-butadiene	267	224.5		ug/m3		84	55 - 130
Isopropanol	61.5	58.82		ug/m3		96	60 - 130
Methylene Chloride	86.8	96.95		ug/m3		112	70 - 130
Methyl-t-Butyl Ether (MTBE)	90.1	105.2		ug/m3		117	70 - 132
n-Butylbenzene	137	139.0		ug/m3		101	70 - 130
o-Xylene	109	124.2		ug/m3		114	70 - 130
m,p-Xylene	217	245.3		ug/m3		113	70 - 130
sec-Butylbenzene	137	139.5		ug/m3		102	70 - 130
Styrene	106	121.5		ug/m3		114	70 - 130
trans-1,2-Dichloroethene	99.1	110.0		ug/m3		111	70 - 140
trans-1,3-Dichloropropene	113	137.7		ug/m3		121	70 - 130
tert-Butylbenzene	137	140.8		ug/m3		103	70 - 130
Tetrachloroethene	170	180.8		ug/m3		107	70 - 130
Di-isopropyl ether (DIPE)	104	108.0		ug/m3		103	64 - 130
Toluene	94.2	110.4		ug/m3		117	70 - 130
Ethanol	188	180.9		ug/m3		96	56 - 130
Trichloroethene	134	150.9		ug/m3		112	70 - 130
Trichlorofluoromethane	140	146.6		ug/m3		104	70 - 143
Vinyl acetate	88.0	101.5		ug/m3		115	67 - 138
Vinyl chloride	63.9	65.78		ug/m3		103	70 - 133
Ethyl-t-butyl ether (ETBE)	104	109.6		ug/m3		105	70 - 130
Tert-amyl methyl ether	104	112.6		ug/m3		108	70 - 130
tert-Butyl alcohol (TBA)	152	158.2		ug/m3		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*67 - 131*
Toluene-d8 (Surr)	*102*		*70 - 130*

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 570-145574/4
Matrix: Air
Analysis Batch: 145574

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	136	148.6		ug/m3		109	70 - 137	3	25
1,1,2,2-Tetrachloroethane	172	184.5		ug/m3		107	70 - 130	1	25
1,1,2-Trichloro-1,2,2-trifluoroethane	192	200.9		ug/m3		105	70 - 130	3	25
1,1,2-Trichloroethane	136	155.7		ug/m3		114	70 - 130	2	25
1,1-Dichloroethane	101	110.8		ug/m3		109	70 - 131	3	25
1,1-Dichloroethene	99.1	114.2		ug/m3		115	70 - 130	2	25
1,1-Difluoroethane	67.5	68.60		ug/m3		102	60 - 130	4	25
1,2,4-Trichlorobenzene	186	160.9		ug/m3		87	56 - 130	0	25
1,2,4-Trimethylbenzene	123	129.6		ug/m3		105	70 - 130	1	25
1,2-Dibromo-3-Chloropropane	242	241.1		ug/m3		100	68 - 130	3	25
1,2-Dibromoethane	192	214.7		ug/m3		112	70 - 130	0	25
1,2-Dichlorobenzene	150	157.0		ug/m3		104	70 - 130	1	25
1,2-Dichloroethane	101	108.9		ug/m3		108	70 - 134	3	25
1,2-Dichloropropane	116	134.3		ug/m3		116	70 - 130	0	25
1,3,5-Trimethylbenzene	123	133.3		ug/m3		108	70 - 130	1	25
1,3-Dichlorobenzene	150	157.6		ug/m3		105	69 - 132	2	25
1,4-Dichlorobenzene	150	158.4		ug/m3		105	67 - 132	1	25
2-Butanone	73.7	82.56		ug/m3		112	64 - 143	2	25
2-Hexanone	102	114.0		ug/m3		111	59 - 140	1	25
4-Ethyltoluene	123	134.3		ug/m3		109	70 - 130	0	25
4-Methyl-2-pentanone	102	116.6		ug/m3		114	64 - 133	1	25
Acetone	59.4	62.11		ug/m3		105	69 - 146	5	25
Benzene	79.9	99.49		ug/m3		125	70 - 133	0	25
Benzyl chloride	129	130.0		ug/m3		100	63 - 130	1	25
Bromodichloromethane	168	188.3		ug/m3		112	70 - 130	2	25
Bromoform	258	287.1		ug/m3		111	70 - 132	1	25
Bromomethane	97.1	102.7		ug/m3		106	70 - 137	2	25
cis-1,2-Dichloroethene	99.1	117.2		ug/m3		118	70 - 130	0	25
cis-1,3-Dichloropropene	113	136.0		ug/m3		120	70 - 130	1	25
Carbon disulfide	77.9	78.91		ug/m3		101	70 - 150	2	25
Carbon tetrachloride	157	170.3		ug/m3		108	70 - 130	2	25
Chlorobenzene	115	127.4		ug/m3		111	70 - 130	1	25
Chloroethane	66.0	70.68		ug/m3		107	70 - 137	1	25
Chloroform	122	130.0		ug/m3		107	70 - 132	1	25
Chloromethane	51.6	54.73		ug/m3		106	65 - 142	3	25
Dibromochloromethane	213	228.6		ug/m3		107	70 - 130	1	25
Dichlorodifluoromethane	124	129.2		ug/m3		104	70 - 142	0	25
Dichlorotetrafluoroethane	175	180.2		ug/m3		103	70 - 137	0	25
Ethylbenzene	109	125.8		ug/m3		116	70 - 130	1	25
Hexachloro-1,3-butadiene	267	226.4		ug/m3		85	55 - 130	1	25
Isopropanol	61.5	57.16		ug/m3		93	60 - 130	3	25
Methylene Chloride	86.8	94.76		ug/m3		109	70 - 130	2	25
Methyl-t-Butyl Ether (MTBE)	90.1	101.8		ug/m3		113	70 - 132	3	25
n-Butylbenzene	137	134.9		ug/m3		98	70 - 130	3	25
o-Xylene	109	123.9		ug/m3		114	70 - 130	0	25
m,p-Xylene	217	244.3		ug/m3		113	70 - 130	0	25
sec-Butylbenzene	137	137.9		ug/m3		100	70 - 130	1	25
Styrene	106	120.1		ug/m3		113	70 - 130	1	25

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 570-145574/4
Matrix: Air
Analysis Batch: 145574

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
trans-1,2-Dichloroethene			99.1	108.1		ug/m3		109	70 - 140	2	25
trans-1,3-Dichloropropene			113	135.4		ug/m3		119	70 - 130	2	25
tert-Butylbenzene			137	138.5		ug/m3		101	70 - 130	2	25
Tetrachloroethene			170	180.6		ug/m3		107	70 - 130	0	25
Di-isopropyl ether (DIPE)			104	105.2		ug/m3		101	64 - 130	3	25
Toluene			94.2	112.0		ug/m3		119	70 - 130	1	25
Ethanol			188	178.6		ug/m3		95	56 - 130	1	25
Trichloroethene			134	150.7		ug/m3		112	70 - 130	0	25
Trichlorofluoromethane			140	139.5		ug/m3		99	70 - 143	5	25
Vinyl acetate			88.0	100.2		ug/m3		114	67 - 138	1	25
Vinyl chloride			63.9	67.01		ug/m3		105	70 - 133	2	25
Ethyl-t-butyl ether (ETBE)			104	107.5		ug/m3		103	70 - 130	2	25
Tert-amyl methyl ether			104	112.0		ug/m3		107	70 - 130	1	25
tert-Butyl alcohol (TBA)			152	156.6		ug/m3		103	70 - 130	1	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*67 - 131*
Toluene-d8 (Surr)	*101*		*70 - 130*

QC Association Summary

Client: Avocet Environmental Inc
Job ID: 570-57002-1
Project/Site: Fairview Development Center / 1431.005

Air - GC/MS VOA

Analysis Batch: 145574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-57002-1	MC-SV-2_5	Total/NA	Air	TO-15	
570-57002-2	MC-SV-2_15	Total/NA	Air	TO-15	
570-57002-3	MC-SV-5_5	Total/NA	Air	TO-15	
570-57002-4	MC-SV-5_15	Total/NA	Air	TO-15	
MB 570-145574/6	Method Blank	Total/NA	Air	TO-15	
LCS 570-145574/3	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-145574/4	Lab Control Sample Dup	Total/NA	Air	TO-15	

Lab Chronicle

Client: Avocet Environmental Inc
Job ID: 570-57002-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: MC-SV-2_5
Lab Sample ID: 570-57002-1
Date Collected: 04/20/21 09:30
Matrix: Air
Date Received: 04/20/21 14:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.183	400 mL	400 mL	145574	04/23/21 11:21	USQD	ECL 2
	Instrument ID: GCMSHH									

Client Sample ID: MC-SV-2_15
Lab Sample ID: 570-57002-2
Date Collected: 04/20/21 09:31
Matrix: Air
Date Received: 04/20/21 14:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.351	400 mL	400 mL	145574	04/23/21 12:17	USQD	ECL 2
	Instrument ID: GCMSHH									

Client Sample ID: MC-SV-5_5
Lab Sample ID: 570-57002-3
Date Collected: 04/20/21 09:05
Matrix: Air
Date Received: 04/20/21 14:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	400 mL	400 mL	145574	04/23/21 13:12	USQD	ECL 2
	Instrument ID: GCMSHH									

Client Sample ID: MC-SV-5_15
Lab Sample ID: 570-57002-4
Date Collected: 04/20/21 09:06
Matrix: Air
Date Received: 04/20/21 14:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.25	400 mL	400 mL	145574	04/23/21 14:07	USQD	ECL 2
	Instrument ID: GCMSHH									

Laboratory References:

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Avocet Environmental Inc
Job ID: 570-57002-1
Project/Site: Fairview Development Center / 1431.005

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-0161	11-19-21
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	SCAQMD LAP	17LA0919	11-30-21
California	State	2944	09-30-21
Guam	State	20-003R	10-31-20 *
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-30-22
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Avocet Environmental Inc
Job ID: 570-57002-1
Project/Site: Fairview Development Center / 1431.005

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	ECL 2

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Avocet Environmental Inc
Project/Site: Fairview Development Center / 1431.005

Job ID: 570-57002-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-57002-1	MC-SV-2_5	Air	04/20/21 09:30	04/20/21 14:47	Air Canister (1-Liter) #LC044
570-57002-2	MC-SV-2_15	Air	04/20/21 09:31	04/20/21 14:47	Air Canister (1-Liter) #SLC120
570-57002-3	MC-SV-5_5	Air	04/20/21 09:05	04/20/21 14:47	Air Canister (1-Liter) #LC095
570-57002-4	MC-SV-5_15	Air	04/20/21 09:06	04/20/21 14:47	Air Canister (1-Liter) #LC337

57002

AIR CHAIN OF CUSTODY RECORD

AVOCET ENVIRONMENTAL, INC
1 Technology Drive, Suite C515
Irvine, California 92618-5302
TEL (949) 296-0977
FAX (949) 296-0978

570-57002 Chain of Custody

DATE: 4/20/21

PAGE: 1 OF 1

LABORATORY CLIENT: Avocet Environmental, Inc.	CLIENT: Fairview Developmental Center / 1431.005
ADDRESS: 1 Technology, Suite C515	PROJECT ADDRESS: 2501 Harbor Blvd
CITY: Irvine STATE: CA ZIP: 92618	CITY: Cost Mesa STATE: CA ZIP: 92626
TEL: (949) 296-0977 E-MAIL: sruud@avocetenv.com	PROJECT CONTACT: Scott Ruud
P.O NO:	LAB CONTACT OR QUOTE NO: Virendra Patel
	SAMPLER(S). (PRINT): SRR

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☑ STANDARD

☑ EDD ☑ UNITS **Please report VOCs as µg/m³**

SPECIAL INSTRUCTIONS

Please bill to Avocet.

If any questions, please call Scott Ruud @ (949) 296-0977 Ext.115

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment: Media ID #	Canister Size 6L or 1L	Flow Controller ID #	Start Sampling Information: Date	Time (24 hr clock)	Canister Pressure ('Hg)	Stop Sampling Information: Date	Time (24 hr clock)	Canister Pressure ('Hg)	VOCs EPA TO-15 (incl Fuel Oxys)	LDC = 1 1-DFA
1	MC-SV-2_5	SV	LC044	1L	SGM472	4/20/21	0925	30	4/20/21	0930	6	X	X
2	MC-SV-2_15	↓	120	↓	466	↓	0926	30	↓	0931	6	X	X
3	MC-SV-5_5	↓	095	↓	162	↓	0900	33	↓	0905	6	X	X
4	MC-SV-5_15	↓	337	↓	449	↓	0901	30	↓	0906	5	X	X

Relinquished by: (Signature)	Received by: (Signature/Affiliation) ECI	Date: 4/20/21	Time: 1447
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date.	Time
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date	Time

Login Sample Receipt Checklist

Client: Avocet Environmental Inc

Job Number: 570-57002-1

Login Number: 57002
List Number: 1
Creator: Cruise, Noel

List Source: Eurofins Calscience

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

Summa Canister Dilution Worksheet

Client: Avocet Environmental Inc
Project/Site: Fairview Development Center / 1431.005

Job No.: 570-57002-1

Lab Sample ID	Canister Volume (L)	Presampling Pressure ("Hg)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initials
570-57002-1	1	-29.5	-6.4	0.79	0.79	-3.14339	0.79	0.79		1.00	1.00	AIR MG-6	04/22/21 19:45	UHOG
570-57002-2	1	-29.5	-8.0	0.73	0.73	-3.92923	0.73	0.73		1.00	1.00	AIR MG-6	04/22/21 19:46	UHOG
570-57002-3	1	-29.5	-1.6	0.95	0.95	-0.785847	0.95	0.95		1.00	1.00	AIR MG-6	04/22/21 19:46	UHOG
570-57002-4	1	-29.5	-6.4	0.79	0.79	-3.14339	0.79	0.79		1.00	1.00	AIR MG-6	04/22/21 19:46	UHOG

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg
Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

Appendix D

Eurofins Laboratory Reports, IDW

AVOCET
ENVIRONMENTAL, INC.

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-55934-1
Client Project/Site: Fairview Development Center / 1431.005

For:
Avocet Environmental Inc
1 Technology Drive
Suite C515
Irvine, California 92618

Attn: Deke Siren

Virendra R Patel

Authorized for release by:
4/15/2021 8:16:13 AM

Virendra Patel, Project Manager I
(714)895-5494
Virendra.Patel@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Avocet Environmental Inc
Job ID: 570-55934-1
Project/Site: Fairview Development Center / 1431.005

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

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

Job ID: 570-55934-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-55934-1

Comments
No additional comments.

Receipt
The sample was received on 4/8/2021 12:04 PM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.0º C.

GC/MS VOA
Method 8260B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 570-142065 and analytical batch 570-142058 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC Semi VOA
Method 8015B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-143061 and analytical batch 570-143048 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-142963 and analytical batch 570-143207 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

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

Detection Summary

Client: Avocet Environmental Inc
Job ID: 570-55934-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: IDW_20210408
Lab Sample ID: 570-55934-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	78.0		0.508		mg/Kg	1		6010B	Total/NA
Beryllium	0.725		0.254		mg/Kg	1		6010B	Total/NA
Cadmium	0.598		0.508		mg/Kg	1		6010B	Total/NA
Cobalt	7.26		1.02		mg/Kg	1		6010B	Total/NA
Chromium	16.0		1.02		mg/Kg	1		6010B	Total/NA
Copper	11.1		1.02		mg/Kg	1		6010B	Total/NA
Nickel	12.3		0.508		mg/Kg	1		6010B	Total/NA
Vanadium	33.1		1.02		mg/Kg	1		6010B	Total/NA
Zinc	36.8		10.2		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

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

Client Sample ID: IDW_20210408
Date Collected: 04/08/21 10:30
Date Received: 04/08/21 12:04

Lab Sample ID: 570-55934-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
1,1,2,2-Tetrachloroethane	ND		2.1		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
1,1-Dichloroethane	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
1,1-Dichloroethene	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
1,1-Dichloropropene	ND		2.1		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
1,2,3-Trichlorobenzene	ND		2.1		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
1,2,3-Trichloropropane	ND		2.1		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
1,2,4-Trichlorobenzene	ND		2.1		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
1,2,4-Trimethylbenzene	ND		2.1		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
1,2-Dibromoethane	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
1,2-Dichloroethane	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
1,2-Dichloropropane	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
1,3,5-Trimethylbenzene	ND		2.1		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
1,3-Dichloropropane	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
2,2-Dichloropropane	ND		5.2		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
2-Butanone	ND		21		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
2-Chlorotoluene	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
2-Hexanone	ND		21		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
4-Chlorotoluene	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
4-Methyl-2-pentanone	ND		21		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Acetone	ND	F2	21		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Benzene	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Bromobenzene	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Bromochloromethane	ND		2.1		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Bromodichloromethane	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Bromoform	ND		5.2		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Bromomethane	ND		21		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Carbon disulfide	ND		10		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Carbon tetrachloride	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Chlorobenzene	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Chloroethane	ND		2.1		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Chloroform	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Chloromethane	ND		21		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Dibromochloromethane	ND		2.1		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Dibromomethane	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Dichlorodifluoromethane	ND		2.1		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Ethanol	ND	F2	260		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Ethylbenzene	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1

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

Client Sample ID: IDW_20210408
Date Collected: 04/08/21 10:30
Date Received: 04/08/21 12:04

Lab Sample ID: 570-55934-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Methylene Chloride	ND		10		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Methyl-t-Butyl Ether (MTBE)	ND		2.1		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Naphthalene	ND		10		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
n-Butylbenzene	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
N-Propylbenzene	ND		2.1		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
o-Xylene	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
m,p-Xylene	ND		2.1		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
p-Isopropyltoluene	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
sec-Butylbenzene	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Styrene	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
trans-1,3-Dichloropropene	ND		2.1		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
tert-Butyl alcohol (TBA)	ND		21		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
tert-Butylbenzene	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Tetrachloroethene	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Toluene	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Trichloroethene	ND		2.1		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Trichlorofluoromethane	ND		10		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Vinyl acetate	ND		10		ug/Kg		04/09/21 11:15	04/09/21 11:38	1
Vinyl chloride	ND		1.0		ug/Kg		04/09/21 11:15	04/09/21 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*64 - 141*	*04/09/21 11:15*	*04/09/21 11:38*	*1*
4-Bromofluorobenzene (Surr)	*100*		*76 - 117*	*04/09/21 11:15*	*04/09/21 11:38*	*1*
Dibromofluoromethane (Surr)	*99*		*47 - 142*	*04/09/21 11:15*	*04/09/21 11:38*	*1*
Toluene-d8 (Surr)	*100*		*87 - 111*	*04/09/21 11:15*	*04/09/21 11:38*	*1*

Client: Avocet Environmental Inc
Job ID: 570-55934-1
Project/Site: Fairview Development Center / 1431.005

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

Client Sample ID: IDW_20210408
Date Collected: 04/08/21 10:30
Date Received: 04/08/21 12:04

Lab Sample ID: 570-55934-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 06:32	1
C7 as C7	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 06:32	1
C8 as C8	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 06:32	1
C9-C10	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 06:32	1
C11-C12	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 06:32	1
C13-C14	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 06:32	1
C15-C16	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 06:32	1
C17-C18	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 06:32	1
C19-C20	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 06:32	1
C21-C22	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 06:32	1
C23-C24	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 06:32	1
C25-C28	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 06:32	1
C29-C32	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 06:32	1
C33-C36	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 06:32	1
C37-C40	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 06:32	1
C41-C44	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 06:32	1
C6-C44	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 06:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*113*		*60 - 138*	*04/13/21 21:01*	*04/14/21 06:32*	*1*

Client: Avocet Environmental Inc
Job ID: 570-55934-1
Project/Site: Fairview Development Center / 1431.005

Method: 6010B - Metals (ICP)

Client Sample ID: IDW_20210408
Date Collected: 04/08/21 10:30
Date Received: 04/08/21 12:04

Lab Sample ID: 570-55934-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.02		mg/Kg		04/13/21 16:00	04/14/21 14:24	1
Arsenic	ND		2.54		mg/Kg		04/13/21 16:00	04/14/21 14:24	1
Barium	**78.0**		0.508		mg/Kg		04/13/21 16:00	04/14/21 14:24	1
Beryllium	**0.725**		0.254		mg/Kg		04/13/21 16:00	04/14/21 14:24	1
Cadmium	**0.598**		0.508		mg/Kg		04/13/21 16:00	04/14/21 14:24	1
Cobalt	**7.26**		1.02		mg/Kg		04/13/21 16:00	04/14/21 14:24	1
Chromium	**16.0**		1.02		mg/Kg		04/13/21 16:00	04/14/21 14:24	1
Copper	**11.1**		1.02		mg/Kg		04/13/21 16:00	04/14/21 14:24	1
Molybdenum	ND		0.508		mg/Kg		04/13/21 16:00	04/14/21 14:24	1
Nickel	**12.3**		0.508		mg/Kg		04/13/21 16:00	04/14/21 14:24	1
Antimony	ND	F1	3.05		mg/Kg		04/13/21 16:00	04/14/21 14:24	1
Selenium	ND	F1	5.08		mg/Kg		04/13/21 16:00	04/14/21 14:24	1
Thallium	ND		5.08		mg/Kg		04/13/21 16:00	04/14/21 14:24	1
Vanadium	**33.1**		1.02		mg/Kg		04/13/21 16:00	04/14/21 14:24	1
Zinc	**36.8**		10.2		mg/Kg		04/13/21 16:00	04/14/21 14:24	1
Lead	ND		5.08		mg/Kg		04/13/21 16:00	04/14/21 14:24	1

Client: Avocet Environmental Inc
Job ID: 570-55934-1
Project/Site: Fairview Development Center / 1431.005

Method: 7471A - Mercury (CVAA)

Client Sample ID: IDW_20210408
Date Collected: 04/08/21 10:30
Date Received: 04/08/21 12:04

Lab Sample ID: 570-55934-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		04/13/21 16:00	04/14/21 14:51	1

Surrogate Summary

Client: Avocet Environmental Inc
Job ID: 570-55934-1
Project/Site: Fairview Development Center / 1431.005

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(64-141)	(76-117)	(47-142)	(87-111)
570-55934-1	IDW_20210408	111	100	99	100
570-55934-1 MS	IDW_20210408	115	108	109	102
570-55934-1 MSD	IDW_20210408	115	107	109	102
LCS 570-142065/1-A	Lab Control Sample	110	106	107	103
LCSD 570-142065/2-A	Lab Control Sample Dup	108	107	106	103
MB 570-142065/3-A	Method Blank	113	101	102	100

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(60-138)
570-55934-1	IDW_20210408	113
570-55954-C-1-D MS	Matrix Spike	200 S1+
570-55954-C-1-E MSD	Matrix Spike Duplicate	144 S1+
LCS 570-143061/2-A	Lab Control Sample	111
LCSD 570-143061/3-A	Lab Control Sample Dup	113
MB 570-143061/1-A	Method Blank	121

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 570-142065/3-A
Matrix: Solid
Analysis Batch: 142058

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142065

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
1,1-Dichloroethane	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
1,1-Dichloroethene	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
1,1-Dichloropropene	ND		2.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
1,2-Dibromoethane	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
1,2-Dichloroethane	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
1,2-Dichloropropane	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
1,3-Dichloropropane	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
2,2-Dichloropropane	ND		5.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
2-Butanone	ND		20		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
2-Chlorotoluene	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
2-Hexanone	ND		20		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
4-Chlorotoluene	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
4-Methyl-2-pentanone	ND		20		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Acetone	ND		20		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Benzene	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Bromobenzene	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Bromochloromethane	ND		2.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Bromodichloromethane	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Bromoform	ND		5.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Bromomethane	ND		20		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Carbon disulfide	ND		10		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Carbon tetrachloride	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Chlorobenzene	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Chloroethane	ND		2.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Chloroform	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Chloromethane	ND		20		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Dibromochloromethane	ND		2.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Dibromomethane	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Ethanol	ND		250		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Ethylbenzene	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1

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

Lab Sample ID: MB 570-142065/3-A
Matrix: Solid
Analysis Batch: 142058

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142065

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Isopropylbenzene	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Methylene Chloride	ND		10		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Naphthalene	ND		10		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
n-Butylbenzene	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
N-Propylbenzene	ND		2.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
o-Xylene	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
m,p-Xylene	ND		2.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
p-Isopropyltoluene	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
sec-Butylbenzene	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Styrene	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
tert-Butylbenzene	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Tetrachloroethene	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Toluene	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Trichloroethene	ND		2.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Trichlorofluoromethane	ND		10		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Vinyl acetate	ND		10		ug/Kg		04/09/21 07:26	04/09/21 10:25	1
Vinyl chloride	ND		1.0		ug/Kg		04/09/21 07:26	04/09/21 10:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*64 - 141*	*04/09/21 07:26*	*04/09/21 10:25*	*1*
4-Bromofluorobenzene (Surr)	*101*		*76 - 117*	*04/09/21 07:26*	*04/09/21 10:25*	*1*
Dibromofluoromethane (Surr)	*102*		*47 - 142*	*04/09/21 07:26*	*04/09/21 10:25*	*1*
Toluene-d8 (Surr)	*100*		*87 - 111*	*04/09/21 07:26*	*04/09/21 10:25*	*1*

Lab Sample ID: LCS 570-142065/1-A
Matrix: Solid
Analysis Batch: 142058

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142065

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	50.88		ug/Kg		102	68 - 120
1,2-Dibromoethane	50.0	49.24		ug/Kg		98	80 - 120
1,2-Dichlorobenzene	50.0	48.21		ug/Kg		96	80 - 120
1,2-Dichloroethane	50.0	51.97		ug/Kg		104	76 - 126
Benzene	50.0	46.80		ug/Kg		94	76 - 120
Carbon tetrachloride	50.0	56.65		ug/Kg		113	68 - 132
Chlorobenzene	50.0	48.59		ug/Kg		97	80 - 120
Di-isopropyl ether (DIPE)	50.0	47.49		ug/Kg		95	69 - 123
Ethanol	500	511.8		ug/Kg		102	46 - 152
Ethylbenzene	50.0	49.38		ug/Kg		99	80 - 120
Ethyl-t-butyl ether (ETBE)	50.0	47.45		ug/Kg		95	69 - 121
Methyl-t-Butyl Ether (MTBE)	50.0	47.33		ug/Kg		95	70 - 120
o-Xylene	50.0	51.67		ug/Kg		103	76 - 125

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

Lab Sample ID: LCS 570-142065/1-A
Matrix: Solid
Analysis Batch: 142058

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142065

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
m,p-Xylene			100	100.4		ug/Kg		100	75 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*64 - 141*
4-Bromofluorobenzene (Surr)	*106*		*76 - 117*
Dibromofluoromethane (Surr)	*107*		*47 - 142*
Toluene-d8 (Surr)	*103*		*87 - 111*

Lab Sample ID: LCSD 570-142065/2-A
Matrix: Solid
Analysis Batch: 142058

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142065

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			50.0	48.35		ug/Kg		97	68 - 120	5	20
1,2-Dibromoethane			50.0	48.06		ug/Kg		96	80 - 120	2	20
1,2-Dichlorobenzene			50.0	47.51		ug/Kg		95	80 - 120	1	20
1,2-Dichloroethane			50.0	50.28		ug/Kg		101	76 - 126	3	20
Benzene			50.0	45.60		ug/Kg		91	76 - 120	3	20
Carbon tetrachloride			50.0	54.74		ug/Kg		109	68 - 132	3	20
Chlorobenzene			50.0	47.31		ug/Kg		95	80 - 120	3	20
Di-isopropyl ether (DIPE)			50.0	45.80		ug/Kg		92	69 - 123	4	20
Ethanol			500	473.8		ug/Kg		95	46 - 152	8	30
Ethylbenzene			50.0	48.10		ug/Kg		96	80 - 120	3	20
Ethyl-t-butyl ether (ETBE)			50.0	45.80		ug/Kg		92	69 - 121	4	20
Methyl-t-Butyl Ether (MTBE)			50.0	45.65		ug/Kg		91	70 - 120	4	20
o-Xylene			50.0	50.42		ug/Kg		101	76 - 125	2	20
m,p-Xylene			100	97.38		ug/Kg		97	75 - 122	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*64 - 141*
4-Bromofluorobenzene (Surr)	*107*		*76 - 117*
Dibromofluoromethane (Surr)	*106*		*47 - 142*
Toluene-d8 (Surr)	*103*		*87 - 111*

Lab Sample ID: 570-55934-1 MS
Matrix: Solid
Analysis Batch: 142058

Client Sample ID: IDW_20210408
Prep Type: Total/NA
Prep Batch: 142065

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethene	ND		48.3	49.65		ug/Kg		103	60 - 125		
1,2-Dibromoethane	ND		48.3	46.01		ug/Kg		95	65 - 125		
1,2-Dichlorobenzene	ND		48.3	43.99		ug/Kg		91	47 - 130		
1,2-Dichloroethane	ND		48.3	49.43		ug/Kg		102	66 - 127		
Benzene	ND		48.3	44.38		ug/Kg		92	70 - 125		
Carbon tetrachloride	ND		48.3	55.62		ug/Kg		115	60 - 130		
Chlorobenzene	ND		48.3	45.44		ug/Kg		94	65 - 125		
Di-isopropyl ether (DIPE)	ND		48.3	45.32		ug/Kg		94	62 - 125		
Ethanol	ND	F2	483	383.0		ug/Kg		79	21 - 168		

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

Lab Sample ID: 570-55934-1 MS
Matrix: Solid
Analysis Batch: 142058

Client Sample ID: IDW_20210408
Prep Type: Total/NA
Prep Batch: 142065

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	ND		48.3	46.63		ug/Kg		97	64 - 125
Ethyl-t-butyl ether (ETBE)	ND		48.3	45.15		ug/Kg		94	61 - 125
Methyl-t-Butyl Ether (MTBE)	ND		48.3	44.58		ug/Kg		92	61 - 125
o-Xylene	ND		48.3	48.45		ug/Kg		100	59 - 128
m,p-Xylene	ND		96.5	94.69		ug/Kg		98	60 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*115*		*64 - 141*
4-Bromofluorobenzene (Surr)	*108*		*76 - 117*
Dibromofluoromethane (Surr)	*109*		*47 - 142*
Toluene-d8 (Surr)	*102*		*87 - 111*

Lab Sample ID: 570-55934-1 MSD
Matrix: Solid
Analysis Batch: 142058

Client Sample ID: IDW_20210408
Prep Type: Total/NA
Prep Batch: 142065

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		48.1	47.68		ug/Kg		99	60 - 125	4	20
1,2-Dibromoethane	ND		48.1	45.79		ug/Kg		95	65 - 125	0	21
1,2-Dichlorobenzene	ND		48.1	42.27		ug/Kg		88	47 - 130	4	29
1,2-Dichloroethane	ND		48.1	47.87		ug/Kg		100	66 - 127	3	20
Benzene	ND		48.1	43.36		ug/Kg		90	70 - 125	2	20
Carbon tetrachloride	ND		48.1	54.08		ug/Kg		112	60 - 130	3	20
Chlorobenzene	ND		48.1	44.00		ug/Kg		92	65 - 125	3	22
Di-isopropyl ether (DIPE)	ND		48.1	43.45		ug/Kg		90	62 - 125	4	20
Ethanol	ND	F2	481	603.1	F2	ug/Kg		125	21 - 168	45	40
Ethylbenzene	ND		48.1	45.58		ug/Kg		95	64 - 125	2	22
Ethyl-t-butyl ether (ETBE)	ND		48.1	43.55		ug/Kg		91	61 - 125	4	20
Methyl-t-Butyl Ether (MTBE)	ND		48.1	43.49		ug/Kg		90	61 - 125	2	20
o-Xylene	ND		48.1	47.35		ug/Kg		98	59 - 128	2	24
m,p-Xylene	ND		96.2	91.84		ug/Kg		96	60 - 125	3	24

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*115*		*64 - 141*
4-Bromofluorobenzene (Surr)	*107*		*76 - 117*
Dibromofluoromethane (Surr)	*109*		*47 - 142*
Toluene-d8 (Surr)	*102*		*87 - 111*

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

Lab Sample ID: MB 570-143061/1-A
Matrix: Solid
Analysis Batch: 143048

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 143061

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 04:14	1
C7 as C7	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 04:14	1
C8 as C8	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 04:14	1

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

Lab Sample ID: MB 570-143061/1-A
Matrix: Solid
Analysis Batch: 143048

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 143061

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C9-C10	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 04:14	1
C11-C12	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 04:14	1
C13-C14	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 04:14	1
C15-C16	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 04:14	1
C17-C18	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 04:14	1
C19-C20	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 04:14	1
C21-C22	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 04:14	1
C23-C24	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 04:14	1
C25-C28	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 04:14	1
C29-C32	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 04:14	1
C33-C36	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 04:14	1
C37-C40	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 04:14	1
C41-C44	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 04:14	1
C6-C44	ND		5.0		mg/Kg		04/13/21 21:01	04/14/21 04:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*121*		*60 - 138*	*04/13/21 21:01*	*04/14/21 04:14*	*1*

Lab Sample ID: LCS 570-143061/2-A
Matrix: Solid
Analysis Batch: 143048

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 143061

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			400	406.9		mg/Kg		102	80 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*111*		*60 - 138*

Lab Sample ID: LCSD 570-143061/3-A
Matrix: Solid
Analysis Batch: 143048

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 143061

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			400	445.5		mg/Kg		111	80 - 130	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*113*		*60 - 138*

Lab Sample ID: 570-55954-C-1-D MS
Matrix: Solid
Analysis Batch: 143048

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 143061

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	54	F1	400	739.1	F1	mg/Kg		171	43 - 165		

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

Lab Sample ID: 570-55954-C-1-D MS
Matrix: Solid
Analysis Batch: 143048

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 143061

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*200*	*S1+*	*60 - 138*

Lab Sample ID: 570-55954-C-1-E MSD
Matrix: Solid
Analysis Batch: 143048

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 143061

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	54	F1	398	838.9	F1	mg/Kg		197	43 - 165	13	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*144*	*S1+*	*60 - 138*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-142963/1-A
Matrix: Solid
Analysis Batch: 143207

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142963

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.985		mg/Kg		04/13/21 16:00	04/14/21 14:17	1
Arsenic	ND		2.46		mg/Kg		04/13/21 16:00	04/14/21 14:17	1
Barium	ND		0.493		mg/Kg		04/13/21 16:00	04/14/21 14:17	1
Beryllium	ND		0.246		mg/Kg		04/13/21 16:00	04/14/21 14:17	1
Cadmium	ND		0.493		mg/Kg		04/13/21 16:00	04/14/21 14:17	1
Cobalt	ND		0.985		mg/Kg		04/13/21 16:00	04/14/21 14:17	1
Chromium	ND		0.985		mg/Kg		04/13/21 16:00	04/14/21 14:17	1
Copper	ND		0.985		mg/Kg		04/13/21 16:00	04/14/21 14:17	1
Molybdenum	ND		0.493		mg/Kg		04/13/21 16:00	04/14/21 14:17	1
Nickel	ND		0.493		mg/Kg		04/13/21 16:00	04/14/21 14:17	1
Antimony	ND		2.96		mg/Kg		04/13/21 16:00	04/14/21 14:17	1
Selenium	ND		4.93		mg/Kg		04/13/21 16:00	04/14/21 14:17	1
Thallium	ND		4.93		mg/Kg		04/13/21 16:00	04/14/21 14:17	1
Vanadium	ND		0.985		mg/Kg		04/13/21 16:00	04/14/21 14:17	1
Zinc	ND		9.85		mg/Kg		04/13/21 16:00	04/14/21 14:17	1
Lead	ND		4.93		mg/Kg		04/13/21 16:00	04/14/21 14:17	1

Lab Sample ID: LCS 570-142963/2-A
Matrix: Solid
Analysis Batch: 143207

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142963

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	12.6	12.12		mg/Kg		96	80 - 120
Arsenic	25.3	21.30		mg/Kg		84	80 - 120
Barium	25.3	24.84		mg/Kg		98	80 - 120
Beryllium	25.3	22.93		mg/Kg		91	80 - 120
Cadmium	25.3	22.83		mg/Kg		90	80 - 120
Cobalt	25.3	23.34		mg/Kg		92	80 - 120
Chromium	25.3	24.00		mg/Kg		95	80 - 120

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

Lab Sample ID: LCS 570-142963/2-A
Matrix: Solid
Analysis Batch: 143207

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142963

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	25.3	25.45		mg/Kg		101	80 - 120
Molybdenum	25.3	22.81		mg/Kg		90	80 - 120
Nickel	25.3	24.70		mg/Kg		98	80 - 120
Antimony	25.3	23.11		mg/Kg		92	80 - 120
Selenium	25.3	21.04		mg/Kg		83	80 - 120
Thallium	25.3	21.45		mg/Kg		85	80 - 120
Vanadium	25.3	23.93		mg/Kg		95	80 - 120
Zinc	25.3	22.54		mg/Kg		89	80 - 120
Lead	25.3	24.02		mg/Kg		95	80 - 120

Lab Sample ID: LCSD 570-142963/3-A
Matrix: Solid
Analysis Batch: 143207

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142963

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	12.4	11.94		mg/Kg		96	80 - 120	1	20
Arsenic	24.9	20.77		mg/Kg		84	80 - 120	3	20
Barium	24.9	24.23		mg/Kg		97	80 - 120	3	20
Beryllium	24.9	22.13		mg/Kg		89	80 - 120	4	20
Cadmium	24.9	22.12		mg/Kg		89	80 - 120	3	20
Cobalt	24.9	22.73		mg/Kg		91	80 - 120	3	20
Chromium	24.9	23.41		mg/Kg		94	80 - 120	3	20
Copper	24.9	25.08		mg/Kg		101	80 - 120	1	20
Molybdenum	24.9	22.60		mg/Kg		91	80 - 120	1	20
Nickel	24.9	24.07		mg/Kg		97	80 - 120	3	20
Antimony	24.9	22.37		mg/Kg		90	80 - 120	3	20
Selenium	24.9	21.24		mg/Kg		85	80 - 120	1	20
Thallium	24.9	21.79		mg/Kg		88	80 - 120	2	20
Vanadium	24.9	23.32		mg/Kg		94	80 - 120	3	20
Zinc	24.9	21.75		mg/Kg		87	80 - 120	4	20
Lead	24.9	23.27		mg/Kg		94	80 - 120	3	20

Lab Sample ID: 570-55934-1 MS
Matrix: Solid
Analysis Batch: 143207

Client Sample ID: IDW_20210408
Prep Type: Total/NA
Prep Batch: 142963

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND		12.8	12.35		mg/Kg		96	75 - 125
Arsenic	ND		25.6	23.66		mg/Kg		83	75 - 125
Barium	78.0		25.6	100.1		mg/Kg		86	75 - 125
Beryllium	0.725		25.6	23.80		mg/Kg		90	75 - 125
Cadmium	0.598		25.6	21.81		mg/Kg		83	75 - 125
Cobalt	7.26		25.6	28.01		mg/Kg		81	75 - 125
Chromium	16.0		25.6	38.99		mg/Kg		90	75 - 125
Copper	11.1		25.6	37.37		mg/Kg		103	75 - 125
Molybdenum	ND		25.6	20.31		mg/Kg		79	75 - 125
Nickel	12.3		25.6	33.92		mg/Kg		84	75 - 125
Antimony	ND	F1	25.6	ND	F1	mg/Kg		0	50 - 115
Selenium	ND	F1	25.6	14.26	F1	mg/Kg		56	75 - 125

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

Lab Sample ID: 570-55934-1 MS
Matrix: Solid
Analysis Batch: 143207

Client Sample ID: IDW_20210408
Prep Type: Total/NA
Prep Batch: 142963

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	ND		25.6	29.70		mg/Kg		116	75 - 125
Vanadium	33.1		25.6	56.54		mg/Kg		91	75 - 125
Zinc	36.8		25.6	57.77		mg/Kg		82	75 - 125
Lead	ND		25.6	24.38		mg/Kg		86	75 - 125

Lab Sample ID: 570-55934-1 MSD
Matrix: Solid
Analysis Batch: 143207

Client Sample ID: IDW_20210408
Prep Type: Total/NA
Prep Batch: 142963

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND		12.1	12.31		mg/Kg		102	75 - 125	0	20
Arsenic	ND		24.2	23.67		mg/Kg		88	75 - 125	0	20
Barium	78.0		24.2	96.47		mg/Kg		76	75 - 125	4	20
Beryllium	0.725		24.2	23.92		mg/Kg		96	75 - 125	1	20
Cadmium	0.598		24.2	21.92		mg/Kg		88	75 - 125	0	20
Cobalt	7.26		24.2	28.05		mg/Kg		86	75 - 125	0	20
Chromium	16.0		24.2	38.02		mg/Kg		91	75 - 125	3	20
Copper	11.1		24.2	36.77		mg/Kg		106	75 - 125	2	20
Molybdenum	ND		24.2	20.42		mg/Kg		85	75 - 125	1	20
Nickel	12.3		24.2	33.67		mg/Kg		89	75 - 125	1	20
Antimony	ND	F1	24.2	ND	F1	mg/Kg		0	50 - 115	NC	20
Selenium	ND	F1	24.2	16.81	F1	mg/Kg		70	75 - 125	16	20
Thallium	ND		24.2	28.24		mg/Kg		117	75 - 125	5	20
Vanadium	33.1		24.2	54.83		mg/Kg		90	75 - 125	3	20
Zinc	36.8		24.2	56.90		mg/Kg		83	75 - 125	2	20
Lead	ND		24.2	24.49		mg/Kg		91	75 - 125	0	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-142964/1-A
Matrix: Solid
Analysis Batch: 143249

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142964

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0847		mg/Kg		04/13/21 16:00	04/14/21 14:42	1

Lab Sample ID: LCS 570-142964/2-A
Matrix: Solid
Analysis Batch: 143249

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142964

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.806	0.7389		mg/Kg		92	85 - 121

Lab Sample ID: LCSD 570-142964/3-A
Matrix: Solid
Analysis Batch: 143249

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142964

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.820	0.7377		mg/Kg		90	85 - 121	0	10

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 570-55934-1 MS
Client Sample ID: IDW_20210408
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 143249
Prep Batch: 142964

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	ND		0.820	0.7310		mg/Kg		87	71 - 137		

Lab Sample ID: 570-55934-1 MSD
Client Sample ID: IDW_20210408
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 143249
Prep Batch: 142964

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.806	0.7399		mg/Kg		89	71 - 137	1	14

GC/MS VOA

Analysis Batch: 142058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-55934-1	IDW_20210408	Total/NA	Solid	8260B	142065
MB 570-142065/3-A	Method Blank	Total/NA	Solid	8260B	142065
LCS 570-142065/1-A	Lab Control Sample	Total/NA	Solid	8260B	142065
LCSD 570-142065/2-A	Lab Control Sample Dup	Total/NA	Solid	8260B	142065
570-55934-1 MS	IDW_20210408	Total/NA	Solid	8260B	142065
570-55934-1 MSD	IDW_20210408	Total/NA	Solid	8260B	142065

Prep Batch: 142065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-55934-1	IDW_20210408	Total/NA	Solid	5030C	
MB 570-142065/3-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-142065/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-142065/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
570-55934-1 MS	IDW_20210408	Total/NA	Solid	5030C	
570-55934-1 MSD	IDW_20210408	Total/NA	Solid	5030C	

GC Semi VOA

Analysis Batch: 143048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-55934-1	IDW_20210408	Total/NA	Solid	8015B	143061
MB 570-143061/1-A	Method Blank	Total/NA	Solid	8015B	143061
LCS 570-143061/2-A	Lab Control Sample	Total/NA	Solid	8015B	143061
LCSD 570-143061/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	143061
570-55954-C-1-D MS	Matrix Spike	Total/NA	Solid	8015B	143061
570-55954-C-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	143061

Prep Batch: 143061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-55934-1	IDW_20210408	Total/NA	Solid	3550C	
MB 570-143061/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-143061/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-143061/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-55954-C-1-D MS	Matrix Spike	Total/NA	Solid	3550C	
570-55954-C-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

Metals

Prep Batch: 142963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-55934-1	IDW_20210408	Total/NA	Solid	3050B	
MB 570-142963/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-142963/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-142963/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-55934-1 MS	IDW_20210408	Total/NA	Solid	3050B	
570-55934-1 MSD	IDW_20210408	Total/NA	Solid	3050B	

Prep Batch: 142964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-55934-1	IDW_20210408	Total/NA	Solid	7471A	
MB 570-142964/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-142964/2-A	Lab Control Sample	Total/NA	Solid	7471A	

Metals (Continued)

Prep Batch: 142964 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 570-142964/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-55934-1 MS	IDW_20210408	Total/NA	Solid	7471A	
570-55934-1 MSD	IDW_20210408	Total/NA	Solid	7471A	

Analysis Batch: 143207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-55934-1	IDW_20210408	Total/NA	Solid	6010B	142963
MB 570-142963/1-A	Method Blank	Total/NA	Solid	6010B	142963
LCS 570-142963/2-A	Lab Control Sample	Total/NA	Solid	6010B	142963
LCSD 570-142963/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	142963
570-55934-1 MS	IDW_20210408	Total/NA	Solid	6010B	142963
570-55934-1 MSD	IDW_20210408	Total/NA	Solid	6010B	142963

Analysis Batch: 143249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-55934-1	IDW_20210408	Total/NA	Solid	7471A	142964
MB 570-142964/1-A	Method Blank	Total/NA	Solid	7471A	142964
LCS 570-142964/2-A	Lab Control Sample	Total/NA	Solid	7471A	142964
LCSD 570-142964/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	142964
570-55934-1 MS	IDW_20210408	Total/NA	Solid	7471A	142964
570-55934-1 MSD	IDW_20210408	Total/NA	Solid	7471A	142964

Lab Chronicle

Client: Avocet Environmental Inc
Job ID: 570-55934-1
Project/Site: Fairview Development Center / 1431.005

Client Sample ID: IDW_20210408
Lab Sample ID: 570-55934-1
Date Collected: 04/08/21 10:30
Matrix: Solid
Date Received: 04/08/21 12:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.82 g	5 mL	142065	04/09/21 11:15	BE5H	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	142058	04/09/21 11:38	BE5H	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3550C			9.94 g	10 mL	143061	04/13/21 21:01	EM5C	ECL 1
Total/NA	Analysis	8015B		1			143048	04/14/21 06:32	UJ3K	ECL 1
	Instrument ID: GC47									
Total/NA	Prep	3050B			1.97 g	100 mL	142963	04/13/21 16:00	SP7J	ECL 1
Total/NA	Analysis	6010B		1			143207	04/14/21 14:24	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.60 g	100 mL	142964	04/13/21 16:00	SP7J	ECL 1
Total/NA	Analysis	7471A		1			143249	04/14/21 14:51	VYQ5	ECL 1
	Instrument ID: HG8									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Avocet Environmental Inc
Job ID: 570-55934-1
Project/Site: Fairview Development Center / 1431.005

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-0161	11-19-21
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	SCAQMD LAP	17LA0919	11-30-21
California	State	2944	09-30-21
Guam	State	20-003R	10-31-20 *
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-30-22
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Avocet Environmental Inc
Job ID: 570-55934-1
Project/Site: Fairview Development Center / 1431.005

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
6010B	Metals (ICP)	SW846	ECL 1
7471A	Mercury (CVAA)	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL 2
7471A	Preparation, Mercury	SW846	ECL 1

Protocol References:

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

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Avocet Environmental Inc
Job ID: 570-55934-1
Project/Site: Fairview Development Center / 1431.005

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-55934-1	IDW_20210408	Solid	04/08/21 10:30	04/08/21 12:04	

559934

AVOCET ENVIRONMENTAL, INC

1 Technology Drive, Suite C515
Irvine, California 92618-5302
TEL (949) 296-0977
FAX (949) 296-0978

Sheet 1 of 1

CHAIN OF CUSTODY RECORD

Project Information	Event Name
Site Name	Fairview Developmental Center
Site Location	Costa Mesa, Ca
Project No.	1431.005
Project Manager	Deke Siren
Sampled By	SRR
Turnaround Time	Standard

ECI Project # 57006451

570-55934 Chain of Custody

Sample Identification	Sample Date	Sample Time	Matrix	No of Cntnrs	Lab I D Number	TPH (C6-44) by EPA 8015B	VOCs by EPA 8260B/5035	SVOCs by EPA 8270 SIM	PCBs by EPA 8082	Title 22 Metals by EPA 6010B7471A	CrVI by EPA 7199	HOLD
IDW_20210408	4/8/21	10:30	Soil	1		X	X			X		

Analyses

Relinquished by		Company	Received by		Company
Printed Name:	Colton Scott	Avocet Environmental, Inc	Printed Name:	PMEGY SOLOMON	
Signature			Signature		
Date	4/8/21		Date	4/8/21	
Time	12:04		Time:	1204	
Printed Name:			Printed Name		
Signature:			Signature		
Date:			Date:		
Time:			Time.		
Printed Name:			Printed Name		
Signature			Signature		
Date:			Date		
Time:			Time:		

Sample Receipt		Billing Information	Special Instructions
Total Containers	5 C 5	TAT	
Temperature	°C 3.6/4.0 °F	Lab No.	
COC Seal (Y/N/NA)		Intact (Y/N)	
Bill To	Philip Miller P E AVOCET ENVIRONMENTAL, INC 1 Technology Dive, Suite C515 Irvine CA 92618-5302		*Please bill to Avocet If any questions, please call Scott Ruud at (949) 296-0977 x115.*

4/15/2021

Login Sample Receipt Checklist

Client: Avocet Environmental Inc

Job Number: 570-55934-1

Login Number: 55934
List Number: 1
Creator: Ramos, Maribel

List Source: Eurofins Calscience

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

Appendix E

Uniform Hazardous Waste Manifest

AVOCET
ENVIRONMENTAL, INC.

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CAD072513146	1	888-785-7225	016148994 FLE

FOLD LABEL AT DOTTED LINE. AFFIX TO RIGHT SIDE OF HAZARDOUS MATERIAL BILLS SO THAT TAB STICKS OUT.

GENERATOR

5. Generator's Name and Mailing Address
Ewaste Disposal Inc.LA
1048 Irvine Ave #1069
Newport Beach, CA 92660
Generator's Phone: 714-655-5705

Generator's Site Address (if different than mailing address)
Fairview Developmental Center
2501 Harbor Blvd
Costa Mesa, CA 92626

6. Transporter 1 Company Name
Advanced Chemical Transport Inc./DBA ACTenviro
U.S. EPA ID Number
CAR000070540

7. Transporter 2 Company Name
Environmental Management Technologies
U.S. EPA ID Number
CAR000183574

8. Designated Facility Name and Site Address
Environmental Waste Solutions
31915 Industrial Ln
Parker South, AZ 85344
Facility's Phone: 877-227-0189
U.S. EPA ID Number
AZR000520478

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt/Vol.	13. Waste Codes
	1. Non-RCRA Hazardous Waste Solid (Soil)	7	DM	5250	P	181
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1) EWS8454 EWE-901-907-(55)DM
Project Number 293570 Document #: D359394

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Scott Rund agent for FDC
Signature
Month 05 Day 20 Year 21

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JOSE ESCALERA
Signature
Month 05 Day 20 Year 21

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name
Signature
Month Day Year