

September 2023
164 John Street (NYSDEC No. 224339)

ANCHOR QEA

Site Characterization Report

Prepared for
Consolidated Edison Company of New York, Inc.
31-01 20th Avenue, Building 136, 2nd Floor
Long Island City, New York 11105

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ABBREVIATIONS

amsl	above mean sea level
AOC	Area of Concern, 760 square feet Area of Concern within a 0.2-acre section of Con Edison's Hudson Avenue East Substation
bgs	below ground surface
CAMP	community air monitoring program
Con Edison	Consolidated Edison Company of New York, Inc.
Consent Order	Order on Consent and Administrative Settlement
DOT	U.S. Department of Transportation
EM	Electromagnetic
GPR	ground-penetrating radar
HFM	Historic Fill Material
mg/kg	milligram per kilogram
MVA	mercury vapor analyzer
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
PPE	personal protective equipment
Property	Hudson Avenue East Substation, 164 John Street, New York, New York
PURS	Public Utility Regulating Station
QAPP	Quality Assurance Project Plan
SC	site characterization
SC Report	*Site Characterization Report*
SC Work Plan	northwest area consisting of 0.2-acre at the Property
SCO	site cleanup objective
Site	a 0.2-acre section of Con Edison's Hudson Avenue East Substation
SOP	standard operating procedure
structure	brick and mortar subsurface structure within the AOC
SVOC	semivolatile organic compound
TAL	target analyte list
VOC	volatile organic compound
$\mu g/m^3$	micrograms per cubic meter

Certifications

I certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Site Characterization Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.



September 8, 2023,

Margaret Carrillo-Sheridan, PE Date



September 8, 2023,

Matthew Cavas, PG Date

1 Introduction

On behalf of the Consolidated Edison Company of New York Inc. (Con Edison), Anchor QEA Engineering, PLLC, has prepared this *Site Characterization Report* (SC Report) for work conducted to assess the occurrence of visible mercury on the approximately 760 square feet Area of Concern (AOC) within a 0.2-acre section (the Site) of Con Edison's Hudson Avenue East Substation, located at 164 John Street, New York, New York (Property; Figures 1-1 and 1-2). The SC was performed as specified in an Order on Consent and Administrative Settlement (Consent Order) with the New York State Department of Environmental Conservation (NYSDEC; Index No. CO 2-20211022-253) and was assigned Site number 224339.

Excavation activities on the Site to support electrical infrastructure upgrades observed visible mercury on a previously undocumented structure and in the adjacent soils in the subsurface. A spill report was filed with the NYSDEC, which assigned Spill No. 2104180 on August 2, 2021.

The *Site Characterization Work Plan* (SC Work Plan; Anchor QEA 2022) was submitted to NYSDEC in September 2021 and subsequently revised to address comments. The final SC Work Plan was approved on March 16, 2022. The final SC Work Plan was attached to the Consent Order between Con Edison and NYSDEC dated March 18, 2022 (NYSDEC 2022). This SC Report presents the results of the SC Work Plan implementation.

1.1 Site Characterization Objectives

The objectives of the SC were as follows:

- Delineate the mercury-contaminated subsurface structure and associated soils within the AOC.
- Assess groundwater to determine if observed mercury contamination within the AOC is adversely affecting downgradient groundwater quality.
- Obtain adequate data to develop a remedial strategy, if necessary, to address the mercury-contaminated materials within the AOC.

1.2 Site Location and Description

The AOC covers approximately 760 square feet within the Site (see Figure 1-2). The Site is located in the northwestern-most corner area of the Property or New York City Tax Lot designated as Block 22 Lot 1 near the intersection of Gold Street and John Street in the Vinegar Hill section of Brooklyn and is currently owned and operated by Con Edison. The Property is bordered by John Street to the north, Plymouth Street to the south, Hudson Avenue to the east, and Gold Street to the west. The East River is located approximately 600 feet north of the Property.

1.2.1 Physical Setting

The Site is bordered by sidewalks and public roads on the north by John Street and on the west by Gold Street and immediately adjacent on the east is Extra Space Storage Facility, which is a commercial storage facility open to the public, and on the south by the Gold Street Public Utility Regulating Station (PURS) facility. Adjacent properties are predominately related to Con Edison's operations or are commercial/industrial. The closest residential area is located approximately 400 feet southeast of the Site at the intersection of Plymouth Street and Gold Street.

1.2.2 Regional Geology

As described in the SC Work Plan, the area of the Property is relatively flat with gradual sloping towards the East River. The New York State *Surficial Geology Map of New York* indicates the Property is underlain by a poorly sorted till likely deposited as glacial outwash during the Pleistocene Epoch (Cadwell 1986). The till consists of varying amounts of gravel, sand, silt, and clay. Bedrock beneath the Property is classified as Ravenswood Granodiorite (Baskerville 1990) and is located approximately 90 feet below ground surface (bgs; Hobbs 1905).

Review of the historical mapping (Appendix A) indicates that the original East River Shoreline was located along Marshall Street (one block west and north of John Street in the vicinity of the Property). The earliest available topographic map (by the U.S. Geological Survey) is dated 1889. This map indicates that pre-1900, the ground surface elevation in the vicinity of the Property (near the intersection of Plymouth Street and Gold Street) was 20 feet above mean sea level (amsl). Topographic surveys (Appendix A) indicate this area has undergone filling, resulting in current ground surface elevations reported at 25 feet amsl.

1.2.3 Property Geology and Hydrogeology

In 2019, Con Edison performed an investigation of the Gold Street PURS located at 43 Gold Street, Brooklyn, New York, which occupies the southwest corner of the Property (near the intersection of Gold Street and Plymouth Street). During this investigation, five soil borings were installed in and around the PURS using rotosonic and hollow-stem auger drilling methods. Based on a review of these soil borings, the following subsurface conditions were encountered in and around the PURS:

- 0 to 0.5 feet bgs: Concrete
- 0.5 to 28 bgs: Historic Fill Material (HFM)—this material consisted of a mixture of sand, gravel, cobbles, brick fragments, and concrete.
- 25 to 30 feet bgs: Brown sand with fine to medium grain size, little subangular gravel, and trace amounts of clay.

Based on the available PURS investigation soil boring data, the southwest area of the Property appears to have had extensive filling since its initial development in the early 1800s.

Review of groundwater elevations based on water levels measure along Gold Street (Con Edison 2019) indicates that groundwater flows north/northwest, towards the East River, and is located approximately 20 feet bgs. Localized groundwater flow patterns may be impacted by a subsurface low permeability steel sheet pile wall installed to a depth of approximately 30 feet bgs around a Con Edison's former Hudson Avenue tank farm located immediately northeast of the Property (across John Street).[1]

1.2.4 Current Use

The Site is currently used as an electrical substation with electrical distribution equipment installed throughout and is part of a M3-1 zoning district (NYC Planning Labs 2023). M3-1 zoning districts are areas designated for areas with heavy industries that generate noise, traffic, or pollutants. Typical uses include power plants, solid waste transfer facilities and recycling plants, and fuel supply depots.

1.3 Site History

A historical mapping review search was completed of the Property area; several historical topographic and fire insurance maps (Appendix A) were reviewed to identify historical activities on the Property. A summary of the historical mapping review was included in the SC Work Plan (Anchor QEA 2022).

A historical record search was conducted on the Site parcel. Aerial photographs, fire insurance maps, historical chain of titles, City directories, and environmental databases were reviewed to understand historical activities on and adjacent to the Site. Historical records indicate that several businesses have occupied the Site over the approximately 250-year period of information reviewed, including agricultural use, paint and varnish manufacturing, metal goods manufacturing and most recently, an electrical substation.

Presented below is a summary of the Property's development history.

1.3.1 Property Use and Ownership, 1776–Present

Table 1-1 presents a summary of Site ownership beginning in 1776 and based on a review of Site history and historical maps.

[1] Information regarding the low permeability steel sheet pile barrier wall was provided verbally to Anchor QEA by Con Edison on August 31, 2021.

Table 1-1
Site Occupancy: 1776 to Present

Year	Site Occupant	Property Use
1776	Agricultural Land	Agricultural Land
1885	Whiting Factory	Pigment Manufacturing[2]
1887	C.T. Raynolds & Company Paint Works	Paint Manufacturing
1907	Devoe & Raynolds Paint Works	Paint Manufacturing
1933	Alexapope Manufacturing Company	Paint Manufacturing
	Kent Machine Company	Paint Mixing and Grinding Machines; Mixing and Grinding Machinery for Laboratories; Marine Engines[3]
	Sternau & Company Metal Goods	Metal Goods
1966 to Present	Con Edison	Electrical Substation

1.4 Report Organization

This SC Report is organized into the sections described in Table 1-2.

Table 1-2
Site Characterization Report Organization

Section	Description
1 Introduction	Presents SC objectives and relevant background information
2 Site Characterization Field Activities and Results	Describes SC investigation field activities completed and any deviations from the SC Work Plan
3 Site Characterization Analytical Results	Summarizes results from SC analytical testing
4 Summary of Findings	Presents an overview of the nature and extent of visible mercury at the Site
5 Conclusions and Recommendations	Presents conclusions based on SC field and analytical data and next steps
6 References	Presents a list of references used to prepare this SC Report

[2] Whiting (or Paris White) material was historically used in paint and putty manufacture and was composed of mostly carbonate of lime (Jennings 1926).
[3] Based on information provided in trade catalog descriptions from the Smithsonian online collection (Smithsonian 2023).

2 Site Characterization Field Activities and Results

The SC Work Plan outlined intrusive and nonintrusive field activities to be completed. The implementation of the SC Work plan was conducted during multiple mobilizations due to access restrictions based on the active nature of the site during the utility infrastructure upgrades and Con Ed blackout dates. SC field work tasks were conducted between October 2021 and November 2022 and are described below along with any deviations from the SC Work Plan. Appendix B includes copies of any subcontractor reports, field notes, and forms as well as a photograph log of representative SC field work activities.

2.1 Geophysical Survey and Utility Clearance

A geophysical survey was performed on the AOC on November 4, 2021 in an effort to assess subsurface conditions and identify the previously exposed subsurface structure. The geophysical survey used ground-penetrating radar (GPR) as well as electromagnetic (EM) metal-detector and EM utility line locator. The objective of the geophysical survey was to attempt to image the lateral extent (length and width) of the subsurface structure that was partially uncovered during previous excavation activities (and appeared to be the source of the free/visible mercury), as well as other potential historical subsurface structures within the AOC.

The geophysical survey over the survey area is shown in Figure 2-1. The geophysical survey was completed over all accessible portions of the AOC, and two GPR anomalies were identified at shallow depths between 1 and 4 feet bgs. Neither of the anomalies were near the approximate locations of the previously identified subsurface structure. Additionally, neither anomaly appeared to be associated with an underground utility on the Property. A copy of the geophysical report is included in Appendix B.

Following completion of the geophysical survey but prior to implementing any intrusive activities, utility clearance procedures were conducted following the New York State and Con Edison's utility clearance procedures for intrusive activities. The Code 753 process was completed, an M-Scope survey completed on June 22, 2022, and an additional geophysical survey was completed on October 31, 2022, to locate known and suspected underground utilities within the AOC to the extent possible relative to the planned locations of all intrusive work. Results of the subsurface utility surveys confirmed the dense array of utilities that are present throughout the Site. SC test pits and soil boring locations were adjusted accordingly.

Manual excavations associated with the SC field work as well as ongoing infrastructure upgrades to the west of the AOC (on the Property) discovered three additional underground utilities that were unmarked prior to starting intrusive work. These utilities were identified at depths between

approximately 1.5 feet and upwards of 14 feet bgs and were not identified during prior geophysical survey. The utilities were subsequently confirmed on utility maps for the Property.

2.2 Mercury Vapor Survey

A mercury vapor survey was completed on October 15, 2021 to identify localized areas within the AOC exhibiting higher concentrations of mercury vapor as compared to adjacent readings. The mercury vapor survey was completed in October 2021 and was conducted over the area depicted in Figure 2-1. The mercury vapor survey was conducted using a VM-3000 mercury vapor analyzer (MVA; VM-3000). The VM-3000 collected mercury vapor readings every 2 to 3 seconds from the zone immediately above the ground surface (approximately 1 to 4 inches above the ground surface) as the instrument traversed the survey area along transects spaced approximately 1 foot apart. The VM-3000 MVA measures mercury vapors with a detection limit of 0.1 micrograms per cubic meter ($\mu g/m^3$).

The mercury vapor concentrations measured during the mercury vapor survey are plotted in Figure 2-1 as discrete "dots" which show the location where measurements were made. The dots are colored to reflect a relative scale of concentration range. Specifically, the areas containing green and light blue dots represent mercury vapor readings that are consistent with ambient air. The areas containing dark blue, yellow, and red colors represent measurements with higher mercury vapor concentrations (as compared to the areas with green and light blue dots). Mercury vapor was either not detected or detected at low concentrations across the southern portion of the AOC and along the eastern and western borders. Within the central and northern portion of the AOC, relatively high mercury vapor readings were detected (as compared to readings in adjacent areas) but throughout the entire AOC no visible mercury was observed on the ground surface. The central and northern areas encompass the location where the visible mercury and associated structure were initially identified.

2.2.1 Secondary Mercury Vapor Survey

During a later phase of SC field work, the subsurface structure associated with the visible mercury was located and fully exposed. Figure 2-2 presents a photograph of the exposed structure. The structure was fully exposed as part of the subsurface soil characterization work discussed in the next section of this SC Report but in general the top of the structure was approximately 12 inches bgs. Once exposed, a handheld MVA (Jerome J405 capable of measuring mercury vapors with a detection limit of 0.5 $\mu g/m^3$) was used to perform an additional mercury vapor survey on June 1 and June 2, 2022. This survey was completed by taking readings every 1 foot in transects across the structure from west-to-east. Additionally, transects were continued beyond the limits of the structure to include the trench exposing the brick sides as well as the soil surface nearest to the structure on all four sides.

Figure 2-3 shows the results of this second mercury vapor survey and the readings indicate that mercury vapors were highest along the surface of the structure over its western half. Mercury vapor concentrations dropped rapidly towards the eastern portion of the structure and when measured over the trench dug to expose the four sides as well as the adjacent soils. Very small visible mercury beads were observed within soils excavated adjacent to the structure and from a few select areas on the top of the structure along its western edge. These very small beads were only visible once the overlying gravel and soils had been removed. At no time during the work activities were mercury vapors measured at concentrations exceeding the air monitoring criteria within worker breathing space or at the Site perimeter.

2.3 Subsurface Soil Characterization

As described in the SC Work Plan, subsurface soil characterization was to be accomplished via a combination of test pitting and soil borings advanced around the surface structure as well as throughout the AOC in 2022 . As described in Section 2.7 (Deviations from SC Work Plan), all subsurface soil characterization was completed by advancing soil borings using manual means, instead of mechanized equipment, as described in the SC Work Plan.

2.3.1 Site Geology

Subsurface soils at the Site were visually inspected during the soil boring program and generally consisted of fill. Fill was encountered in all borings extending from the ground surface to approximately 10 feet bgs. The fill is generally described as loose to dense sand with gravel and with some anthropogenic materials noted including brick fragments, metal, and rubber. Cobbles and cobble fragments were noted in portions of the fill as well.

As noted in Section 1.1.2, a poorly sorted till likely deposited as glacial outwash during the Pleistocene Epoch (Cadwell 1986) would be the uppermost undisturbed deposit. The till is described as having varying amounts of gravel, sand, silt, and clay. Numerous rounded gravels and cobbles were observed from borings/excavations within the AOC but it is not likely that these represent native soils given the varied and unknown filling history for this area of Brooklyn.

2.4 Subsurface Soil Field Screening Results

Subsurface soil investigations within the AOC began initially with excavation of a series of exploratory test pits and shallow excavations to locate the subsurface structure. Following location of the subsurface structure and excavating the perimeter of the structure to determine its vertical dimensions, several soil borings were advanced to further characterize subsurface soils adjacent to and below the structure and throughout the AOC. Figure 2-4 shows the locations of test pits and soil borings completed as part of the subsurface SC field activities.

Soil Sampling – Utility Work

Soil samples were collected from shallow test pits (HAE-TP01 to HAE-TP04) in February 2022. These excavations were completed by other parties as part of utility work in adjoining areas of the Site for the purpose of ongoing upgrades and maintenance at the substation. The excavations adjacent to the AOC extended to a point coincident with the boundary of the AOC. To obtain additional information regarding the potential occurrence of visible mercury in areas adjacent to the AOC, Anchor QEA visually inspect the walls of the excavation and collected soil samples for laboratory analysis. A total of four locations were sampled within the sidewall of the excavation with two analytical samples collected from different depths at each location (see Figure 2-4 and HAE-TP01 through HAE-TP04 locations).

Collected soils were placed into laboratory sample jars and held on ice for transport to ALS Laboratories for analysis of volatile organic compound (VOC), semivolatile organic compound (SVOC), target analyte list (TAL) metals, mercury, and polychlorinated biphenyls (PCBs). No visible mercury was encountered and analytical results are discussed further in Section 3. Following collection of samples, the areas were fully excavated as part of the utility work and soils were staged pending waste characterization and then disposed of off site.

Soil Sampling – Test Pitting

Intrusive work began within the AOC with the excavation of test pits and shallow trenches to locate and determine the dimensions of the subsurface structure between March and June 2022. The substructure location was located by excavating a series of trenches until the structure was found and uncovered. Three test pits (JSSC-TP-01, JSSC-TP-02, and JSSC-TP-03) were then extended to determine the thickness of the substructure. Once fully exposed (see Figure 2-2), the subsurface structure was found to be approximately 1 foot below grade and orientated east-to-west. The structure is approximately 14 feet long, 4 feet wide at its widest point, and tapers to less than 1 foot in width at the western edge. It was also determined to be approximately 34 inches thick with the base approximately 4 feet bgs. Figure 2-4 shows the approximate shape of the subsurface structure.

A masonry drill was advanced into the top of the structure (once exposed) in March 2022 to determine whether it was solid or if the structure was a vessel or pipe. The masonry drill bit was advanced 6 inches into the structure and confirmed a concrete layer overlying brick. No void was encountered, and the drill bit never exited solid material. Several additional attempts were made with the drill with the same result, and it was concluded the structure likely represents a historic solid foundation or footing remnant.

During excavation activities, visible mercury was observed sporadically in surficial soils immediately above the top and within soils immediately adjacent to the structure. Observations of visible mercury were not continuous over large areas and mercury was observed as very small beads, the size of a

pin head, from areas near JSSC-TP-01 and the top of the subsurface structure to the east. All surficial soils where visible mercury was observed were containerized for disposal.

Soil samples were then collected from test pits at depths below the base of the structure and as far under as could be reached. Collected soils were placed into laboratory sample jars and held on ice for transport to ALS Laboratories for analysis of VOCs, SVOCs, TAL metals, mercury, and PCBs.

Soil Sampling – Soil Boring Activities

Following completion of the test pits and confirming the dimensions of the subsurface structure, several soil borings were completed in two mobilizations in June and November 2022. As outlined in the SC Work Plan, soil borings were completed to assess soil characteristics and potential mercury impacts immediately adjacent to the structure. Additional borings were completed away from the structure to aide delineation as well as provide information on the general characteristics of subsurface soils down gradient of the substructure.

Figure 2-4 shows the locations of all soil borings completed as part of the SC field activities. A total of nine soil borings designated SB-1 through SB-9 were completed with borings one through six attempted around the structure and the remaining three completed at some distance away to evaluate general subsurface conditions within the AOC. As described in the approved deviation letter submitted to NYSDEC (Con Edison 2022), soil borings were completed using hand tools only; shovels were used to clear surface gravel and cobbles and post-hole digger and hand auger to complete soil borings. All soil borings targeted a depth of 10 feet bgs and many of the soil borings were adjusted slightly in the field from target locations to avoid utilities or buried debris/cobbles.

The soil borings SB-1 and SB-6 adjacent to the structure were advanced only to 4.5 feet and 5 feet, respectively. Repeated attempts to reach target depth were unsuccessful due to refusal on buried debris (e.g., boulders, concrete debris). All other borings were advanced to or within a foot of the target depth.

As manual soil borings were advanced, representative samples of subsurface soils were collected every foot, visually inspected, and placed into plastic bags. These bags were set aside and the headspace within the bag measured using the MVA. A combination of observations of visible mercury and MVA readings were used to screen the collected soils and identify the depths of samples to be submitted for laboratory analysis, as described in the SC Work Plan. The results of the MVA screening and selected intervals for laboratory analysis are included in Table 2-1, Soil Boring Summary. A total of 41 samples were collected for laboratory analysis from depths below the subsurface structure or between 3 and 10 feet bgs within the AOC. Collected soils were placed into laboratory sample jars and held on ice for transport to ALS Laboratories for analysis of VOCs, SVOCs, TAL metals, mercury, and PCBs.

2.5 Groundwater Characterization

Characterization of groundwater at the Site was accomplished by sampling two existing monitoring wells as well as installation and sampling of one temporary monitoring well on November 1 and 2, 2022. Figure 2-5 shows the location of the temporary monitoring well (HAE-TMW-01) installed downgradient of the AOC as well as two existing monitoring wells (HW-10 and MW-07) that were sampled. Well HAE-TMW-01 was installed using direct-push drilling technology along the north side of John Street and constructed of 2-inch PVC well screen and riser casing with an appropriate filter sand placed around the well screen. A 10-foot-long well screen was installed from 14 to 24 feet bgs based on observations of the water table when inspecting recovered soils. Once installed the water level was measured within the well casing at 17 feet bgs. The location of HAE-TMW-01 was modified based on the location of utilities present adjacent to the AOC and additional details are included in Section 2.6.

Once installed, the temporary monitoring well was sampled using low-flow groundwater sampling procedures along with MW-07 and HW-10 as outlined in the standard operating procedures (SOPs) included with the SC Work Plan. Filtered and unfiltered groundwater samples were collected from existing downgradient monitoring well, HW-10, existing upgradient monitoring well MW-07, as well as the temporary monitoring well HAE-TMW-01. The filtered samples were field-filtered using a 0.45 micron in-line filter and were analyzed for TAL metals and mercury. Groundwater samples collected for all other laboratory analyses were unfiltered.

Following sample collection, the temporary monitoring well was removed, the borehole abandoned, and concrete repaired. The groundwater samples were submitted for analysis by ALS Laboratories for VOC, SVOC, and PCBs; total and dissolved samples were analyzed for TAL metals and mercury.

2.6 Community Air Monitoring Program

A community air monitoring program (CAMP) was prepared to support performance of the intrusive work at the Site pursuant to the site-specific *Health and Safety Plan* (Anchor QEA 2022). In conformance with the CAMP, real-time air monitoring was performed for VOCs, mercury vapor, and particulates within and at the perimeter of any areas where intrusive activities occurred.

Three air monitoring stations were established to monitor as described in the CAMP. Two stations were equipped with a RAE Systems MultiRAE PID, a Mercury Instruments VM-3000 (instrument detection limit of 0.1 µg/m^3), and a DustTrak dust particulate monitor while the third community monitoring station was equipped with mercury vapor monitor only. Each station was deployed daily prior to the start of intrusive activity. One station was positioned upwind of the intrusive work and the other was placed at a downwind location. The third, community monitoring location was placed in the same location each day of intrusive work as outlined in the CAMP. The wind direction was determined from real-time meteorological data.

During SC field work no exceedances of the CAMP criteria were noted and recorded data are available upon request.

2.7 Deviations from SC Work Plan

During the course of implementing the SC field work, several adjustments were necessary to complete the work and achieve the project objectives.

Two deviations from work described in the SC Work Plan entailed a change in the method and target depth for completing subsurface soil borings and adjusting the location of the temporary monitoring well (HAE-TMW-01) to be installed downgradient of the AOC. These modifications were communicated to NYSDEC for their approval (Con Edison 2022) and described in more detail in Sections 2.7.1 and 2.7.2.

2.7.1 Soil Boring Methodology

Soil borings described in the SC Work Plan were to be completed at some distance from the exposed structure to further delineate mercury impacts and characterize subsurface soils. These borings are even closer to the overhead/underground utilities that made completing work using mechanical means to advance soil borings unsafe and against Con Edison's safety guidelines.

Therefore, instead of completing soil borings using mechanized equipment, such as a direct-push drill rig (as described in the SC Work Plan), Con Edison proposed and NYSDEC approved completing the remaining soil borings manually. Field crews used hand augers, post-hole digger, and shovels to complete soil borings to a target depth of 10 feet bgs. This modification to the SC Work Plan was further described in the deviation letter to NYSDEC (Con Edison 2022).

2.7.2 HAE-TMW-01

As outlined in the SC Work Plan, a temporary monitoring well (HAE-TMW-01) was planned at a location downgradient of the AOC. As described in the deviation letter to NYSDEC (Con Edison 2022) it was anticipated that this proposed temporary monitoring well downgradient of the AOC would be installed in front of the gate on the sidewalk along John Street. Recent utility infrastructure upgrades created a dense network of electrical feeders along the sidewalk in addition to the existing utilities present beneath John Street. These conditions prohibited the safe use of any mechanical drilling methods for installation of the temporary monitoring well. As a viable alternative, it was proposed and NYSDEC approved to shift the location of the temporary monitoring well to the sidewalk along the northern portion of John Street. This new location was still downgradient of the AOC and allowed for an assessment of groundwater impacts as described in the SC Work Plan.

2.8 Investigation Derived Waste

Solid and liquid wastes generated as part of the SC investigations were properly contained, stored, characterized, transported, and disposed. All waste was placed in steel 55-gallon open-top U.S. Department of Transportation (DOT)-approved drums and were transported by Con Edison's approved transporter Clean Earth Inc. to their treatment, storage, and disposal facility in Kearny, New Jersey. All waste was then sent for final disposal at Con Edison's approved disposal facilities.

Solid waste consisted of excess soil generated during soil boring activities and used personal protective equipment (PPE) such as gloves, personal protective equipment, and plastic bags that came into contact with potentially contaminated soil or water. Excess soil was generated from all test pitting and manual soil boring activities. As described in the SC Work Plan, excess soils were field screened with MVA and then placed in open-top drums for off-site disposal. HFM/soils with elevated mercury vapor readings or where visible mercury was visible were segregated from all other soils and each drum was later individually characterized for disposal. PPE wastes were containerized in steel open-top drums as well. The drums were properly sealed and labeled to identify their contents.

Liquid waste was containerized in steel 55-gallon open-top DOT-approved drums. Liquid waste generally consisted of purged groundwater and decontamination water generated while cleaning equipment. All liquid waste drums were properly sealed and labeled to identify their contents.

Following the completion of field activities, waste characterization samples were collected from each drum generated. The results of the waste characterization were used to properly manifest the waste for disposal as either a hazardous or non-hazardous waste. Liquid waste was disposed of as non-hazardous waste based on characterization results and solid waste was disposed of as both hazardous and non-hazardous waste depending on a specific drums waste characterization result.

While awaiting disposal, drums were temporarily stored on the Site within a locked, fenced area. All drums of waste were transported by Con Edison approved company to approved treatment, storage, and disposal facilities under manifest prior to final disposal. Twenty drums generated during SC field work were moved to the Resource Conservation and Recovery Act storage area of the Con Edison Astoria facility while awaiting final characterization. The drums were moved to allow for ongoing infrastructure construction work on the Property. One of the drums moved containing waste soil from SC borings was characterized as hazardous for mercury (TCLP >0.2 milligrams per liter); contained visible mercury beads; and total PCB result of 1.2 parts per million. This drum remains at the Astoria facility pending identification of an approved Con Edison facility for final disposal.

3 Site Characterization Analytical Results

The SC field work was conducted between February and November 2022. Analytical soil and groundwater samples were collected as outlined in the SC Work Plan following procedures and methodologies outlined in the project Quality Assurance Project Plan (QAPP) and SOPs attached to that SC Work Plan (see Appendices A and B of the SC Work Plan; Anchor QEA 2022).

The following sections present laboratory analytical results for soil and groundwater samples collected during the SC. Laboratory analytical results are presented in Tables 3-1 through 3-4; laboratory reports and data usability summary reports for collected data are included in Appendix C.

3.1 Data Quality

Analytical data were evaluated for project, method, and laboratory quality control compliance, and their validity and applicability for program purposes were determined. Quality assurance/quality control samples were collected as outlined in the QAPP (see Appendix A of the SC Work Plan [Anchor QEA 2022]). Two field duplicates and matrix spike/matrix spike duplicates were collected from soil samples and one field duplicate and matrix spike/matrix spike duplicate were collected from groundwater samples. Based on the findings of the usability review, data validation qualifiers were assigned, as appropriate. The validated data, including qualifiers, were entered into the project analytical database consistent with the requirements of the QAPP. The data usability review confirmed the accuracy and precision of the chemical and physical determinations performed by the analytical laboratory during this investigation. A review of the validation findings indicates that the overall data quality of the laboratory analytical data generated during the SC is considered acceptable for the purpose of assessing the soil and groundwater quality at the Site. Data were considered useable as reported or as qualified.

3.2 Soil Analytical Results

Thirty-seven soil samples excluding quality control samples were submitted for laboratory analysis. The samples were collected from 10 soil borings (9 soil borings completed within the AOC and 1 soil boring completed along the north side of John Street as part of installation of the temporary monitoring well) and seven test pits completed within the AOC. The analytical results are presented in Tables 3-1 and 3-2 and an electronic data deliverable (EDD) of all analytical results has been prepared for submission to NYSDEC. Based on the Site's current use and zoning status as M3-1, designating the Property as an area of heavy industry, soil analytical results have been compared to the industrial soil cleanup objectives (SCOs) under 6 New York Codes, Rules, and Regulations (NYCRR) Part 375.

3.2.1 Subsurface Soil Analytical Results: Metals

Mercury was the most frequently detected metal within the soil samples submitted with results exceeding the industrial SCO criteria of 5.7 milligrams per kilogram (mg/kg). Of the 37 soil samples analyzed, 27 soil samples contained mercury at concentrations that exceeded its Industrial SCO. The concentration of total mercury in the soil samples ranged from 0.8 mg/kg to over 30,000 mg/kg, with the highest detected concentration reported in a sample collected from soil boring SB-1 from a depth interval of 4 to 5 feet bgs.

Additional metals exceedances of the industrial SCO were as follows:

- The Arsenic SCO of 16.0 mg/kg was exceeded in seven of the 37 soil samples. Concentrations of Arsenic ranged from 1.8 to 360 mg/kg in all samples.
- The Lead SCO of 3,900.0 mg/kg was exceeded in one of the 37 soil samples. Concentrations of Lead ranged from 4.1 to more than 4,900 mg/kg in all samples.

The concentrations of all other metals detected in the soil samples were below their respective industrial SCOs as shown in attached Table 3-1. These metals are commonly found in HFM and natural soils.

3.2.2 Subsurface Soil Analytical Results: VOCs, SVOCs, and PCBs

VOCs and PCB results are presented in Table 3-2 along with applicable industrial SCO values. VOCs and PCBs were detected in subsurface soil samples, but all results were less than their industrial SCO. The majority of SVOCs were not detected and the few detections reported did not exceed industrial SCOs with the exception of polycyclic aromatic hydrocarbons (PAHs). These organic compounds detections are commonly found in HFM.

Polycyclic Aromatic Hydrocarbons

Seven of the 37 subsurface soil samples had at least one exceedance for PAHs above industrial SCOs. The industrial SCO for benzo(a)pyrene of 1,100 µg/kg was exceeded in all seven of these samples. Concentrations of benzo(a)pyrene ranged from non-detect to 31,000 µg/kg in all samples.

The other two of seven samples with industrial SCO exceedances had either one or five additional PAH exceedances (see Table 3-2).

3.3 Groundwater Analytical Results

Groundwater samples were collected from two existing monitoring wells and one temporary monitoring well installed as part of the SC to evaluate potential impacts related to the AOC. As described above, groundwater samples were collected for total analyses from all three monitoring locations for all analytical tests. Dissolved samples were also collected from all three monitoring

locations and submitted for dissolved analyses of metals and mercury. Results were compared to the Class GA groundwater ambient standards presented in New York State Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (NYSDEC 1998), referred to herein as Class GA standards. A summary of the analytical results for the groundwater samples is presented in Table 3-3 and 3-4.

3.3.1 Groundwater Analytical Results: Metals

Metals were detected in both the total and dissolved samples and Table 3-3 presents all analytical results. Mercury was detected in two of the three total groundwater samples and only one of the dissolved samples; all of the detections were below the Class GA standard for mercury.

Sodium was the only metal that exceeded its Class GA standard at all three monitoring locations in both the total and dissolved samples. The only other metals that exceeded standards were arsenic (MW-10 and TMW-01) and chromium (TMW-01), which exceeded their Class GS standards in both total and dissolved samples.

3.3.2 Groundwater Analytical Results: VOCs, SVOCs and PCBs

Analytical results for the organic compounds detected in groundwater samples are presented in Table 3-4. The results show that none of the VOCs, SVOCs, and/or PCBs concentrations detected exceeded their respective Class GA standards.

4 Summary of Findings

Field observations, measurements, and analytical testing results were used to confirm the limits of the subsurface structure and the presence of very, small beads of visible mercury and mercury-impacted subsurface soils within the AOC. A summary of the SC findings is presented in the following bullets.

- Geology: AOC is comprised of HFM to a depth of at last 10 feet bgs characterized by the nine manual soil borings completed as part of the SC field work.
- Hydrogeology: Shallow water table at the Site resides within HFM and flow north towards the East River.
- History: Based on review of the history within the AOC, the Property has a long history of industrial uses, but historical uses of visible mercury were not confirmed.
- Subsurface structure: The structure (14 feet long, 3 feet wide, and 2.8 feet thick) originally uncovered when visible mercury was initially observed in July 2021 was fully exposed during SC investigations. The structure was not found to be the source of visible mercury and visible mercury was merely found in nearby soils.
- Visible mercury: Visible mercury was originally observed in subsurface soils of the AOC near manhole No. 61186. Visible mercury was never observed on the ground surface of the AOC during SC field work. Visible mercury was only observed in subsurface soils immediately above the subsurface structure and soils immediately around the structure as very small beads (i.e., the head of a pin). Field screening of recovered soil from borings was completed, and in most borings visible mercury was not identified at depth. Visible mercury was identified at depth in soil borings SB-1, SB-4, and SB-5, and as a result, vertical delineation was not completed at those locations. All visible mercury observations were confined to the AOC.
- CAMP: Mercury vapors were detected during SC field work but never at levels exceeding action levels identified in the project CAMP.
- MVA: The highest mercury vapor readings were measured immediately above portions of the subsurface structure once exposed as well as within subsurface soils from areas where visible mercury was observed (borings SB-4, SB-5, close to SB-1, and manhole No. 61186 where visible mercury was identified during the early spill response and previously remediated by Con Edison).
- Analytical results: Analytical results of soil samples found no exceedances of VOC, SVOC, or PCB industrial SCOs within the AOC. Seven locations with PAH exceedances of industrial SCOs, typical of urban fill, described in Section 3.2.2 also have exceedances for mercury and all exceedances of the industrial SCO for mercury were within the AOC. No impacts to groundwater were measured.

Based on the results of the intrusive soil investigation activities, the extent of the mercury-contaminated subsurface structure and associated soil has been delineated as shown in Figure 4-1. Analytical results which exceeded their respective industrial SCO are shown on Figure 4-2.

5 Conclusions and Recommendations

No mercury vapor was detected above CAMP action levels during any SC field work and no visible mercury was observed on the ground surface of the AOC throughout all SC field work. Results of the SC field work have identified elevated mercury concentrations in subsurface soils within the AOC. Visible mercury observed in subsurface soils ranged from 1 to up to 10 feet bgs and no impacts to groundwater from mercury were measured during groundwater sampling.

Based on the findings, Con Edison believes the SC of the AOC to be complete. In keeping with this conclusion, Con Edison will submit an Interim Remedial Measure Work Plan for review and approval within 60 days of NYSDEC approval of this SC Report, as outlined in the Consent Order.

6 References

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Tables

Table 2-1
Soil Boring Summary

Core ID	Date Collected	Sample Type	Start Depth (feet)	End Depth (feet)	Hg Vapor Headspace (µg/m^3)	Description	Analytical Sample Depth (feet)	
							Upper	Lower
SB-1	6/3/2022	Hand-auger	0.0	0.5	NM	Stone fill.		
			0.5	1.5	NM	Fill: Moist, dense, light brown and gray fine GRAVEL with fine to medium sand.		
			1.5	4	NM	Fill: Moist, loose, light brown, fine SAND. Visible Hg beads.		
			4	5	NM	Fill: Moist, loose, dark brown, fine SAND with some fine to coarse gravel. Refusal at 5 feet. Visible Hg beads.	4	5
SB-2	6/2/2022	Hand-auger	0	0.5	NM	Stone fill.		
			0.5	1.5	NM	Fill: Moist, dense, light brown and gray fine GRAVEL with fine to medium sand.		
			1.5	4	NM	Fill: Moist, loose, light brown, fine SAND.		
			4	5	NM	Fill: Moist, loose, brown, fine SAND with some fine to coarse gravel.		
			5	6	10		5	6
			6	7	3		6	7
			7	8	16		7	8
			8	9	10		8	9
			9	10	14		9	10
SB-3	6/3/2022	Hand-auger	0	0.5	NM	Stone fill.		
			0.5	1.5	NM	Fill: Moist, dense, light brown and gray fine GRAVEL with fine to medium sand.		
			1.5	4	NM	Fill: Moist, loose, light brown, fine SAND.		
			4	5	NM	Fill: Moist, loose, dark brown, medium SAND with trace fine to coarse gravel.		
			5	6	401		5	6
			6	7	132	Fill: Moist, loose, dark brown, fine to medium SAND with trace fine gravel.	6	7
			7	8	30	Fill: Moist, loose, dark brown, fine SAND with trace fine gravel.	7	8
			8	9	58	Moist, dense, dark brown and gray GRAVEL. Refusal at 9 feet.	8	9
SB-4	6/3/2022	Hand-auger	0	0.5	NM	Stone fill.		
			0.5	1.5	NM	Fill: Moist, dense, light brown and gray fine GRAVEL with fine to medium sand.		
			1.5	4	NM	Fill: Moist, loose, light brown, fine SAND.		
			4	5	NM	Fill: Moist, loose, brown, fine SAND with some fine to coarse gravel.		
			5	6	68		5	6
			6	7	104	Moist, loose, dark brown, fine SAND with some fine to coarse gravel. Visible Hg beads.	6	7
			7	8	79		7	8
			8	9	247		8	9
			9	9.5	102	Moist, dense, dark brown and gray GRAVEL. Refusal at 9.5 feet. Visible Hg beads.	9	9.5
SB-5	6/2/2022	Hand-auger	0	0.5	NM	Stone fill.		
			0.5	1.5	NM	Fill: Moist, dense, light brown and gray fine GRAVEL with fine to medium sand.		
			1.5	4	NM	Fill: Moist, loose, light brown, fine SAND.		
			4	5	NM	Fill: Moist, loose, brown, fine SAND with some fine to coarse gravel. Terminated boring at 9 feet. Visible Hg beads.		
			5	6	202		5	6
			6	7	284		6	7
			7	8	94		7	8
			8	9	79		8	9

Table 2-1
Soil Boring Summary

Core ID	Date Collected	Sample Type	Start Depth (feet)	End Depth (feet)	Hg Vapor Headspace (µg/m^3)	Description	Analytical Sample Depth (feet)	
							Upper	Lower
SB-6	No samples collected	Hand-auger	0	0.5	NM	Stone fill.		
			0.5	1.5	NM	Fill: Moist, dense, light brown and gray fine GRAVEL with fine to medium sand		
			1.5	4	NM	Fill: Moist, loose, light brown, fine SAND		
			4	4.5	NM	Fill: Moist, loose, dark brown, fine SAND with some fine to coarse gravel. Refusal at 4.5 feet—concrete slab		
TMW-01	11/1/2022	Hand-auger	0	5	NM	Dry, brown, FILL NO VISIBLE Hg		
		Direct Push	5	10	0	0 to 10 inches dry, brown, FILL NO VISIBLE Hg 10 to 32 inches dry, brown, SAND (90%) fine to coarse sand With trace GRAVEL, fine to medium NO VISIBLE Hg		
			10	15	0	0 to 23 inches dry, brown, SAND (80%) medium to fine With little (10% to 20%) GRAVEL, fine to medium NO VISIBLE Hg 23 to 44 inches dry, brown, SAND (80%) medium to coarse With little (10% to 20%) GRAVEL, fine to medium NO VISIBLE Hg		
			15	20	0	0 to 23 inches SSA w/GRAVEL 20% to 30% NO VISIBLE Hg SAMPLED AT 16 to 17 feet at 1110 (November 1, 2022) 23 to 44 inches saturated at 23 inches Saturated, brown, SAND (80% to 90%), medium to coarse grading to more coarse, GRAVEL (10% to 20%) NO VISIBLE Hg	16	17
			20	25	0	SSA w/GRAVEL (20% to 30%) throughout NO VISIBLE Hg Terminated boring at 25 feet		
SB-08	11/17/2022 No sample collected	Hand cleared	0	0.5	NM	Fill, bluestone		
			0.5	2	NM	NO VISIBLE Hg		
			2	3	NM	Fine to coarse SAND (60%), with some gravel, fine to coarse, and cobble, light brown NO VISIBLE Hg		
			3	5	NM	Fine to coarse SAND (80%) with trace gravel NO VISIBLE Hg Terminated boring at 5 feet		

Table 2-1
Soil Boring Summary

Core ID	Date Collected	Sample Type	Start Depth (feet)	End Depth (feet)	Hg Vapor Headspace (µg/m^3)	Description	Analytical Sample Depth (feet)	
							Upper	Lower
SB-08	11/18/2022 no sample collected	Hand cleared	0	0.5	NM	Fill, bluestone NO VISIBLE Hg		
			0.5	1	NM	Medium to coarse SAND (60%), small to coarse gravel, dark brown NO VISIBLE Hg		
			1	5	NM	Fill, bluestone NO VISIBLE Hg Refusal at 5 feet		
SB-09	11/18/2022	Hand cleared	0	2	NM	Fill, bluestone NO VISIBLE Hg		
			2	6.5	NM	Fine to coarse, SAND (90%) trace gravel, small to coarse, light brown NO VISIBLE Hg Refusal at 6.5 feet	6	6.5
SB-07	11/18/2022 no sample collected	Hand cleared	0	4	NM	Fill, bluestone NO VISIBLE Hg Refusal at 4 feet		
SB-07	11/18/2022	Hand cleared	0	2	NM	Fill, bluestone		
			2	9	0	Medium to coarse SAND (80%) trace gravel, small to coarse NO VISIBLE Hg	5 8	6 9
SB-08	11/21/2022	Hand cleared	0	2	NM	Fill, bluestone		
			2	10	0	Medium to coarse SAND (90%) trace gravel and pebble, light brown NO VISIBLE Hg Stopped at 10 feet	9	10
SB-09	11/21/2022	Hand cleared	0	0.5	NM	Fill, bluestone		
			0.5	6.5	0	Medium to coarse SAND, light brown NO VISIBLE Hg Refusal at 6.5 feet		

Notes:
µg/m^3: microgram per cubic meter
ID: identification
NM: Not Measured

Table 3-1
Soil Inorganic Analytical Results Summary

Chemical	Protection of Public Health - Part 375 - Industrial SCOs	HAE-TP01 2/24/2022 3 ft	HAE-TP01 2/24/2022 5 ft	HAE-TP2 2/24/2022 3 ft	HAE-TP2 2/24/2022 5 ft	HAE-TP3 2/24/2022 3 ft	HAE-TP3 2/24/2022 4 ft	HAE-TP4 2/24/2022 3 ft	HAE-TP4 2/24/2022 5 ft	JSSC-TP-01 5/24/2022 4 ft	JSSC-TP02 6/1/2022 4 ft
Conventional Parameters (pct)											
Total solids		**91**	**92.4**	**93.8**	**91.1**	**93.5**	**95.2**	**94.4**	**93.5**	**94.3**	**94.3**
Metals (mg/kg)											
Aluminum		**5020**	**3270**	**2610**	**5290**	**3120**	**2390**	**2110**	**2550**	**5630**	**3710**
Antimony		**2.4 NJ**	**4.9 NJ**	5.9 UN	6.1 UN	5.9 UN	6.1 UN	**0.604 NJ**	6.3 UN	**0.7 J**	6.2 U
Arsenic	16.0	**360**	**113**	**15.1**	**13.7**	**28**	**21.9**	**13.5**	**12.3**	**12.1**	**10.8**
Barium	10,000.0	**328**	**453**	**55.1**	**148**	**77.3**	**65.4**	**182**	**167**	**98.6**	**46.7**
Beryllium	2,700.0	**0.33 J**	**0.291 J**	**0.168 J**	**0.335**	**0.228 J**	**0.162 J**	**0.138 J**	**0.157 J**	**0.24 J**	**0.21 J**
Cadmium	60.0	**0.44 J**	**5.6**	**0.257 J**	**0.203 J**	**0.297 J**	**0.182 J**	**0.35 J**	**0.671**	**0.19 J**	**0.18 J**
Calcium		**13800**	**8450**	**2040**	**9420**	**4540**	**1650**	**2670**	**1950**	**5680**	**6030**
Chromium	800.0	**65.4 N**	**35.2 N**	**13.3 N**	**35.1 N**	**11.9 N**	**23.8 N**	**13 N**	**12 N**	**19.7**	**11.7**
Cobalt		**4.9 J**	**4.2 J**	**2.7 J**	**5.1**	**6**	**7.1**	**2.1 J**	**4.8 J**	**5.3**	**4.2 J**
Copper	10,000.0	**190**	**98.5**	**183**	**84.9**	**41.4**	**41.7**	**33**	**106**	**25.4**	**21.1**
Iron		**14800**	**14700**	**7590**	**13200**	**10300**	**6900**	**8150**	**6370**	**14200**	**11600**
Lead	3,900.0	**1910**	**1420**	**142**	**298**	**217**	**137**	**289**	**226**	**137**	**76.9**
Magnesium		**2760**	**1880**	**1490**	**4720**	**1730**	**1200**	**1010**	**1700**	**4340**	**2720**
Manganese	10,000.0	**278**	**268**	**126**	**256**	**207**	**142**	**120**	**669**	**286**	**202**
Mercury	5.7	**445**	**124**	**107**	**293**	**41.3**	**28.7**	**18.2**	**28.8**	**170**	**81.8**
Nickel	10,000.0	**18.6**	**14.6**	**14.4**	**47.4**	**8.6**	**55.2**	**8**	**25.3**	**15.7**	**13.3**
Potassium		**961**	**615**	**550**	**1240**	**498**	**433**	**308**	**411**	**1420**	**1040**
Selenium	6,800.0	1.1 U	1.0 U	0.987 U	1.0 U	0.99 U	1.0 U	1.1 U	1.1 U	1.0 U	1.0 U
Silver	6,800.0	**1.3**	**0.302 J**	**0.148 J**	**0.102 J**	**0.099 J**	1.0 U	**0.095 J**	**0.178 J**	1.0 U	1.0 U
Sodium		**216**	**131**	**81.3 J**	**199**	**109**	**67.2 J**	**39.2 J**	**117**	**300**	**100**
Thallium		1.1 U	1.0 U	0.987 U	1.0 U	0.99 U	1.0 U	1.1 U	1.1 U	1.0 U	1.0 U
Vanadium		**32.7**	**27.3**	**16.2**	**24.5**	**13.1**	**10.5**	**10.4**	**18.6**	**22.4**	**19.1**
Zinc	10,000.0	**257**	**1360**	**78.8**	**130**	**146**	**107**	**136**	**287**	**56.4**	**33.9**

Table 3-1
Soil Inorganic Analytical Results Summary

Chemical	Protection of Public Health - Part 375 - Industrial SCOs	JSSC-TP03 6/1/2022 4 ft	SB07-5-6 11/18/2022 5–6 ft	SB07-8-9 11/18/2022 8–9 ft	SB08-9-10 11/21/2022 9–10 ft	SB09-6-6.5 11/18/2022 6–6.5 ft	SB1 6/3/2022 4–5 ft	SB2 6/2/2022 5–6 ft	SB2 6/2/2022 6–7 ft	SB2 6/2/2022 7–8 ft	SB2 6/2/2022 8–9 ft
Conventional Parameters (pct)											
Total solids		**95.2**	**95.4**	**96.1**	**98.1**	**94.9**	**80.5**	**96**	**95.9**	**96.2**	**96.7**
Metals (mg/kg)											
Aluminum		**3970**	**1810**	**2140**	**1090**	**1830**	**5880**	**4140**	**3930**	**4250**	**4010**
Antimony		5.7 U	5.9 U	6.2 U	5.6 U	5.9 U	**2.3 J**	5.9 U	5.9 U	5.7 U	6.1 U
Arsenic	16.0	**11.5**	**2.15**	**2.7**	**1.8**	**11.7**	**39.3**	**11.2**	**2.3**	**3.35**	**2.4**
Barium	10,000.0	**45.4**	**14.1**	**17**	**8.3**	**18.5**	**1100**	**51.9**	**41.4**	**43.1**	**36.7**
Beryllium	2,700.0	**0.24 J**	**0.1 J**	**0.16 J**	**0.06 J**	**0.14 J**	**0.39**	**0.33**	**0.23 J**	**0.32**	**0.22 J**
Cadmium	60.0	**0.22 J**	0.49 U	0.52 U	0.46 U	0.49 U	**0.89**	**0.31 J**	**0.19 J**	**0.23 J**	**0.17 J**
Calcium		**5530**	**466**	**350**	**373**	**1470**	**30500**	**5090**	**10400**	**5580**	**3640**
Chromium	800.0	**9.72**	**5.61**	**7.5**	**4.58**	**12.4**	**200**	**12.9**	**12.1**	**13**	**14.8**
Cobalt		**4.9**	**1.8 J**	**1.9 J**	**1.3 J**	**4.4 J**	**11**	**5.7**	**5.1**	**5.3**	**5.5**
Copper	10,000.0	**27.1**	**3.9**	**4.2**	**6.1**	**22.3**	**171**	**19.4**	**16.9**	**20.5**	**18.9**
Iron		**14000**	**5270**	**6870**	**2860**	**5600**	**37300**	**19200**	**12100**	**14600**	**12500**
Lead	3,900.0	**14.8**	**4.1 J**	**4.4 J**	**8.4**	**27.3**	**4980**	**23.3**	**11.1**	**23.7**	**12**
Magnesium		**4320**	**562**	**820**	**514**	**5110**	**3440**	**4740**	**3530**	**3410**	**3860**
Manganese	10,000.0	**276**	**88.5**	**102**	**85**	**105**	**373**	**381**	**262**	**250**	**223**
Mercury	5.7	**5.68**	**2.08**	**0.84**	**5.12**	**51**	**30600**	**14.9**	**6.71**	**10.6**	**6.77**
Nickel	10,000.0	**22.5**	**4.6**	**5.4**	**2.7 J**	**47.3**	**24.8**	**40.2**	**16.8**	**21.1**	**23.3**
Potassium		**1180**	**400**	**520**	**200**	**450**	**1260**	**1320**	**1240**	**1130**	**970**
Selenium	6,800.0	0.95 U	0.99 U	1.0 U	0.93 U	0.98 U	1.2 U	0.98 U	0.98 U	0.95 U	1.0 U
Silver	6,800.0	0.95 U	0.99 U	1.0 U	0.93 U	**0.39 J**	**0.6 J**	0.98 U	0.98 U	0.95 U	1.0 U
Sodium		**127**	**42 J**	**40 J**	**28 J**	**49 J**	**720**	**112**	**112**	**141**	**110**
Thallium		0.95 U	0.99 U	**0.8 J**	0.93 U	0.98 U	1.2 U	0.98 U	0.98 U	0.95 U	1.0 U
Vanadium		**17**	**6.8**	**8.9**	**4.3 J**	**8.6**	**23.5**	**21.7**	**20.9**	**24.9**	**17.9**
Zinc	10,000.0	**43.5**	**8.2**	**9.7**	**9.9**	**24.2**	**355**	**38**	**27.7**	**31.7**	**31.6**

Table 3-1
Soil Inorganic Analytical Results Summary

Chemical	Protection of Public Health - Part 375 - Industrial SCOs	SB2 6/2/2022 9–10 ft	SB2 6/2/2022 9–10 ft	SB3 6/3/2022 5–6 ft	SB3 6/3/2022 6–7 ft	SB3 6/3/2022 7–8 ft	SB3 6/3/2022 8–9 ft	SB3 6/3/2022 6–7 ft	SB4 6/3/2022 5–6 ft	SB4 6/3/2022 7–8 ft	SB4 6/3/2022 8–9 ft
Conventional Parameters (pct)											
Total solids		**96.1**	**95.5**	**96.1**	**95.2**	**95.5**	**96.2**	**96.3**	**91.8**	**91.7**	**93.5**
Metals (mg/kg)											
Aluminum		**3450**	**3570**	**4630**	**3660**	**3570**	**3900**	**5440**	**4410**	**3320**	**3420**
Antimony		5.9 U	6.2 U	5.7 U	6.2 U	6.0 U	5.7 U	5.7 U	5.9 U	5.9 U	6.2 U
Arsenic	16.0	**2.08**	**1.9**	**9.59**	**2.8**	**2.2**	**3.13**	**3.29**	**12.5**	**7.33**	**7.3**
Barium	10,000.0	**37.4**	**29.3**	**40.5**	**33.9**	**36.9**	**39.6**	**42.4**	**74.8**	**50.7**	**57.4**
Beryllium	2,700.0	**0.23 J**	**0.28 J**	**0.27 J**	**0.22 J**	**0.21 J**	**0.21 J**	**0.28**	**0.23 J**	**0.19 J**	**0.19 J**
Cadmium	60.0	**0.23 J**	**0.17 J**	**0.26 J**	**0.16 J**	**0.20 J**	**0.20 J**	**0.19 J**	**0.21 J**	**0.19 J**	**1.64**
Calcium		**4570**	**5310**	**5300**	**7220**	**7940**	**5520**	**8520**	**3080**	**4640**	**2580**
Chromium	800.0	**9.89**	**13**	**14.2**	**8.5**	**11.9**	**11.7**	**13.1**	**23.4**	**23.1**	**20.2**
Cobalt		**7.9**	**4.3 J**	**6.3**	**4.3 J**	**4.3 J**	**6.1**	**5.5**	**4.7 J**	**3.2 J**	**5.1**
Copper	10,000.0	**23.5**	**15.8**	**25.1**	**16.5**	**14.8**	**17.1**	**17.5**	**20.2**	**19.2**	**17.5**
Iron		**11800**	**12100**	**15600**	**10300**	**13000**	**12700**	**13300**	**13100**	**10600**	**10200**
Lead	3,900.0	**11.4**	**8.6**	**22.5**	**10.6**	**7.3**	**13**	**11.1**	**105**	**74**	**68.2**
Magnesium		**2660**	**5020**	**8350**	**3110**	**3360**	**7500**	**4870**	**3810**	**2660**	**3580**
Manganese	10,000.0	**229**	**194**	**261**	**191**	**329**	**204**	**242**	**185**	**165**	**286**
Mercury	5.7	**5.68**	**7.88**	**36.4**	**3.15**	**0.608**	**1.44**	**1.17**	**156**	**108**	**46.1**
Nickel	10,000.0	**16.6**	**28.6**	**63.8**	**13.6**	**18**	**48.8**	**21**	**28.6**	**20.6**	**27**
Potassium		**910**	**770**	**1010**	**980**	**1090**	**1060**	**1440**	**1300**	**660**	**680**
Selenium	6,800.0	0.98 U	1.0 U	0.95 U	1.0 U	1.0 U	0.95 U	0.94 U	0.99 U	0.99 U	1.0 U
Silver	6,800.0	0.98 U	1.0 U	0.95 U	1.0 U	1.0 U	0.95 U	0.94 U	0.99 U	0.99 U	1.0 U
Sodium		**151**	**120**	**162**	**100**	**120**	**137**	**289**	**130**	**141**	**120**
Thallium		0.98 U	1.0 U	0.95 U	1.0 U	1.0 U	0.95 U	0.94 U	0.99 U	0.99 U	1.0 U
Vanadium		**18.6**	**17**	**21.3**	**16.6**	**17.4**	**26.3**	**19.8**	**20.5**	**25.7**	**18**
Zinc	10,000.0	**29.9**	**29.4**	**61.4**	**28.2**	**23.6**	**39**	**37.5**	**56.4**	**38.2**	**40.2**

Table 3-1
Soil Inorganic Analytical Results Summary

Chemical	Protection of Public Health - Part 375 - Industrial SCOs	SB4 6/3/2022 9–9.5 ft	SB4 6/3/2022 6–7 ft	SB5 6/2/2022 5–6 ft	SB5 6/2/2022 6–7 ft	SB5 6/2/2022 7–8 ft	SB5 6/2/2022 8–9 ft	TMW-01-16-17 11/1/2022 16–17 ft
Conventional Parameters (pct)								
Total solids		**90.6**	**91.3**	**88.9**	**90**	**92.2**	**91.7**	**95.4**
Metals (mg/kg)								
Aluminum		**3870**	**3510**	**6050**	**6020**	**3960**	**4260**	**4120**
Antimony		6.1 U	6.2 U	6.4 U	6.1 U	6.0 U	6.1 U	5.7 U
Arsenic	16.0	**8.9**	**8**	**33.7**	**14.7**	**4.3**	**3.8**	**20**
Barium	10,000.0	**52.1**	**53**	**67.8**	**59.5**	**32.1**	**32.8**	**41**
Beryllium	2,700.0	**0.4**	**0.27 J**	**0.34**	**0.33**	**0.27 J**	**0.34**	**0.22 J**
Cadmium	60.0	**0.21 J**	**0.23 J**	**0.40 J**	**0.48 J**	**0.19 J**	**0.18 J**	0.48 U
Calcium		**2240**	**2220**	**2840**	**3420**	**5680**	**3020**	**2660**
Chromium	800.0	**18.1**	**25.3**	**21.4**	**19.2**	**11**	**13.3**	**44.2**
Cobalt		**6**	**5.8**	**7.6**	**7.1**	**4.6 J**	**5.0 J**	**4.1 J**
Copper	10,000.0	**19.7**	**23**	**25.2**	**26.4**	**13.7**	**13.5**	**19.3**
Iron		**13300**	**12800**	**17200**	**16900**	**10400**	**11300**	**11100**
Lead	3,900.0	**52.2**	**66.3**	**20.6**	**25.4**	**6.8**	**8.6**	**19.8**
Magnesium		**3040**	**4930**	**3870**	**4130**	**3120**	**3820**	**3230**
Manganese	10,000.0	**184**	**153**	**399**	**372**	**212**	**208**	**201**
Mercury	5.7	**33.6**	**73.8**	**170**	**353**	**24.2**	**41.1**	**0.054**
Nickel	10,000.0	**22.2**	**51.9**	**24.6**	**22**	**17.7**	**23.8**	**20.9**
Potassium		**750**	**710**	**1870**	**1980**	**1090**	**1100**	**990**
Selenium	6,800.0	1.0 U	1.0 U	1.1 U	1.0 U	1.0 U	1.0 U	0.95 U
Silver	6,800.0	1.0 U	1.0 U	1.1 U	1.0 U	1.0 U	1.0 U	0.95 U
Sodium		**150**	**130**	**110 J**	**110**	**130**	**140**	**369**
Thallium		1.0 U	1.0 U	1.1 U	1.0 U	1.0 U	1.0 U	0.95 U
Vanadium		**19.8**	**21.4**	**26.3**	**27.1**	**18.5**	**19.4**	**20.6**
Zinc	10,000.0	**41.2**	**42.2**	**164**	**146**	**32.8**	**30.4**	**26.8**

Table 3-1
Soil Inorganic Analytical Results Summary

Notes:
Detected concentration is greater than Part 375 - Industrial SCOs
Bold: detected result
N: Matrix Spike outside of laboratory limits
J: estimated value
mg/kg: milligram per kilogram
pct: percent
SCO: soil cleanup objective
U: compound analyzed for but not detected above detection limit
UJ: compound analyzed for but not detected above estimated detection limit

Table 3-2
Soil Organic Analytical Results Summary

Chemical	Protection of Public Health - Part 375 - Industrial SCOs	HAE-TP01 2/24/2022 3 ft	HAE-TP01 2/24/2022 5 ft	HAE-TP2 2/24/2022 3 ft	HAE-TP2 2/24/2022 5 ft	HAE-TP3 2/24/2022 3 ft	HAE-TP3 2/24/2022 4 ft	HAE-TP4 2/24/2022 3 ft	HAE-TP4 2/24/2022 5 ft	JSSC-TP-01 5/24/2022 4 ft	JSSC-TP02 6/1/2022 4 ft
Volatile Organic Compounds (µg/kg)											
1,1,1,2-Tetrachloroethane		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,1,1-Trichloroethane	1,000,000.0	5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,1,2,2-Tetrachloroethane		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,1,2-Trichloroethane		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,1-Dichloroethane	480,000.0	5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,1-Dichloroethene	1,000,000.0	5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,1-Dichloropropene		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,2,3-Trichlorobenzene		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,2,3-Trichloropropane		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,2,4-Trichlorobenzene		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,2,4-Trimethylbenzene	380,000.0	**0.55 J**	**0.49 J**	**0.56 J**	**0.52 J**	**0.39 J**	**0.31 J**	**0.34 J**	**0.27 J**	4.3 U	5.2 U
1,2-Dibromo-3-chloropropane		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,2-Dichlorobenzene	1,000,000.0	5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,2-Dichloroethane	60,000.0	5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,2-Dichloroethene, cis-	1,000,000.0	5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,2-Dichloroethene, trans-	1,000,000.0	5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,2-Dichloropropane		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,3,5-Trimethylbenzene (Mesitylene)	380,000.0	5.1 U	**0.20 J**	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,3-Dichlorobenzene	560,000.0	5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,3-Dichloropropane		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,3-Dichloropropene, cis-		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,3-Dichloropropene, trans-		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,4-Dichloro-2-butene, trans-		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,4-Dichlorobenzene	250,000.0	5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
1,4-Dioxane	250,000.0	100 U	100 U	100 U	100 U	99 U	110 U	110 U	110 U	87 U	100 U
2,2-Dichloropropane		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
2-Chlorotoluene		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
2-Hexanone (Methyl butyl ketone)		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
4-Chlorotoluene		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Acetone	1,000,000.0	**25 J**	**22 J**	25 U	**110**	25 U	**35**	27 U	27 U	22 U	26 U
Acrylonitrile		26 U	25 U	25 U	26 U	25 U	28 U	27 U	27 U	22 U	26 U
Benzene	89,000.0	**0.24 J**	**0.49 J**	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Bromobenzene		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Bromochloromethane		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Bromodichloromethane		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Bromoform (Tribromomethane)		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Bromomethane (Methyl bromide)		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Carbon disulfide		5.1 U	**0.32 J**	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Carbon tetrachloride (Tetrachloromethane)	44,000.0	5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U

Table 3-2
Soil Organic Analytical Results Summary

Chemical	Protection of Public Health - Part 375 - Industrial SCOs	HAE-TP01 2/24/2022 3 ft	HAE-TP01 2/24/2022 5 ft	HAE-TP2 2/24/2022 3 ft	HAE-TP2 2/24/2022 5 ft	HAE-TP3 2/24/2022 3 ft	HAE-TP3 2/24/2022 4 ft	HAE-TP4 2/24/2022 3 ft	HAE-TP4 2/24/2022 5 ft	JSSC-TP-01 5/24/2022 4 ft	JSSC-TP02 6/1/2022 4 ft
Chlorobenzene	1,000,000.0	5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Chloroethane		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Chloroform	700,000.0	5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Chloromethane		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Cymene, p- (4-Isopropyltoluene)		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Dibromochloromethane		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Dibromomethane		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Dichlorodifluoromethane		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Dichloromethane (Methylene chloride)	1,000,000.0	5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Diethyl ether		**0.29 J**	5.0 U	5.1 U	5.2 U	**0.42 J**	5.6 U	**0.63 J**	**0.60 J**	4.3 U	5.2 U
Ethylbenzene	780,000.0	5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Ethylene dibromide (1,2-Dibromoethane)		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Isopropylbenzene (Cumene)		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
m,p-Xylene	1,000.0	10 U	10 U	**2.4 J**	**2.2 J**	9.9 U	11 U	11 U	11 U	8.7 U	10 U
Methyl ethyl ketone (2-Butanone)	1,000,000.0	5.1 U	**2.1 J**	5.1 U	**3.0 J**	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Methyl tert-butyl ether (MTBE)	1,000,000.0	5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Naphthalene		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
n-Butylbenzene		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
n-Propylbenzene	1,000,000.0	5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
o-Xylene		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
sec-Butylbenzene	1,000,000.0	5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Styrene		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
tert-Butylbenzene	1,000,000.0	5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Tetrachloroethene (PCE)	300,000.0	**0.26 J**	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Toluene	1,000,000.0	5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Total Xylene	1,000,000.0	15 U	15 U	**2.4 J**	**2.2 J**	15 U	17 U	16 U	16 U	13 U	16 U
Trichloroethene (TCE)	400,000.0	5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Trichlorofluoromethane (Fluorotrichloromethane)		5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Vinyl acetate		10 U	10 U	10 U	10 U	9.9 U	11 U	11 U	11 U	8.7 U	10 U
Vinyl chloride	27,000.0	5.1 U	5.0 U	5.1 U	5.2 U	5.0 U	5.6 U	5.5 U	5.5 U	4.3 U	5.2 U
Semivolatile Organic Compounds (µg/kg)											
1,2,4,5-Tetrachlorobenzene		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
2,2'-Oxybis (1-chloropropane)		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
2,3,4,6-Tetrachlorophenol		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
2,4,5-Trichlorophenol		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
2,4,6-Trichlorophenol		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
2,4-Dichlorophenol		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
2,4-Dimethylphenol		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
2,4-Dinitrophenol		19000 U	19000 U	2000 U	1900 U	3900 U	3800 U	9500 U	3800 U	1900 U	1800 U
2,4-Dinitrotoluene		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U

Table 3-2
Soil Organic Analytical Results Summary

Chemical	Protection of Public Health - Part 375 - Industrial SCOs	HAE-TP01 2/24/2022 3 ft	HAE-TP01 2/24/2022 5 ft	HAE-TP2 2/24/2022 3 ft	HAE-TP2 2/24/2022 5 ft	HAE-TP3 2/24/2022 3 ft	HAE-TP3 2/24/2022 4 ft	HAE-TP4 2/24/2022 3 ft	HAE-TP4 2/24/2022 5 ft	JSSC-TP-01 5/24/2022 4 ft	JSSC-TP02 6/1/2022 4 ft
2,6-Dinitrotoluene		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
2-Chloronaphthalene		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
2-Chlorophenol		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
2-Methylphenol (o-Cresol)		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
2-Nitroaniline		19000 U	19000 U	2000 U	1900 U	3900 U	3800 U	9500 U	3800 U	1900 U	1800 U
2-Nitrophenol		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
3,3'-Dichlorobenzidine		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
3-Methylphenol & 4-Methylphenol (m&p-Cresol)		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
3-Nitroaniline		19000 U	19000 U	2000 U	1900 U	3900 U	3800 U	9500 U	3800 U	1900 U	1800 U
4-Bromophenyl-phenyl ether		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
4-Chloro-3-methylphenol		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
4-Chloroaniline		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
4-Chlorophenyl phenyl ether		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
4-Nitroaniline		19000 U	19000 U	2000 U	1900 U	3900 U	3800 U	9500 U	3800 U	1900 U	1800 U
4-Nitrophenol		19000 U	19000 U	2000 U	1900 U	3900 U	3800 U	9500 U	3800 U	1900 U	1800 U
Acetophenone		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
Atrazine		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
Benzaldehyde		19000 U	19000 U	2000 U	1900 U	3900 U	3800 U	9500 U	3800 U	1900 U	1800 U
Biphenyl (1,1'-Biphenyl)		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
Bis(2-chloroethoxy)methane		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
Bis(2-chloroethyl)ether		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
Bis(2-ethylhexyl)phthalate		5600 U	5500 U	**75 J**	560 U	1200 U	1100 U	2800 U	1100 U	540 U	530 U
Butylbenzyl phthalate		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
Caprolactam		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
Carbazole		3700 U	**610 J**	380 U	370 U	770 U	740 U	**390 J**	**300 J**	360 U	350 U
Dibenzofuran	1,000,000.0	3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	**160 J**	360 U	350 U
Diethyl phthalate		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
Dimethyl phthalate		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
Di-n-butyl phthalate		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		19000 U	19000 U	2000 U	1900 U	3900 U	3800 U	9500 U	3800 U	1900 U	1800 U
Di-n-octyl phthalate		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
Hexachlorobenzene		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
Hexachlorocyclopentadiene		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
Hexachloroethane		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
Isophorone		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
Nitrobenzene		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
n-Nitrosodi-n-propylamine		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
n-Nitrosodiphenylamine		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
Pentachlorophenol		19000 U	19000 U	2000 U	1900 U	3900 U	3800 U	9500 U	3800 U	1900 U	1800 U
Phenol		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U

Table 3-2
Soil Organic Analytical Results Summary

Chemical	Protection of Public Health - Part 375 - Industrial SCOs	HAE-TP01 2/24/2022 3 ft	HAE-TP01 2/24/2022 5 ft	HAE-TP2 2/24/2022 3 ft	HAE-TP2 2/24/2022 5 ft	HAE-TP3 2/24/2022 3 ft	HAE-TP3 2/24/2022 4 ft	HAE-TP4 2/24/2022 3 ft	HAE-TP4 2/24/2022 5 ft	JSSC-TP-01 5/24/2022 4 ft	JSSC-TP02 6/1/2022 4 ft
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene		3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	730 U	360 U	350 U
Acenaphthene	1,000,000.0	3700 U	3600 U	380 U	370 U	770 U	740 U	1800 U	**540 J**	360 U	350 U
Acenaphthylene	1,000,000.0	3700 U	**1600 J**	**88 J**	370 U	770 U	740 U	**1600 J**	730 U	360 U	350 U
Anthracene	1,000,000.0	**1500 J**	**1400 J**	**84 J**	370 U	**170 J**	740 U	**740 J**	**520 J**	360 U	350 U
Benzo(a)anthracene	11,000.0	**5000**	**5100**	**300 J**	**170 J**	**1000**	**220 J**	**1600 J**	**1600**	**220 J**	350 U
Benzo(a)pyrene	1,100.0	**5300**	**7100**	**450**	**210 J**	**1100**	**290 J**	**2600**	**2000**	**260 J**	350 U
Benzo(b,j)fluoranthene	11,000.0	**5400**	**6700**	**410**	**220 J**	**1100**	**270 J**	**2600**	**2100**	**270 J**	350 U
Benzo(g,h,i)perylene	1,000,000.0	**3100 J**	**4700**	**330 J**	**140 J**	**620 J**	740 U	**3100**	**1100**	**190 J**	350 U
Benzo(k)fluoranthene	110,000.0	**1700 J**	**2200 J**	**150 J**	**80 J**	**400 J**	740 U	**840 J**	**720 J**	**88 J**	350 U
Chrysene	110,000.0	**4900**	**4800**	**300 J**	**170 J**	**980**	**210 J**	**1600 J**	**1600**	**230 J**	350 U
Dibenzo(a,h)anthracene	1,100.0	3700 U	**1100 J**	380 U	370 U	770 U	740 U	**560 J**	**260 J**	360 U	350 U
Fluoranthene	1,000,000.0	**11000**	**9900**	**600**	**300 J**	**1700**	**370 J**	**3200**	**3300**	**460**	350 U
Fluorene	1,000,000.0	3700 U	3600 U	380 U	370 U	770 U	740 U	**400 J**	**250 J**	360 U	350 U
Indeno(1,2,3-c,d)pyrene	11,000.0	**3300 J**	**5200**	**300 J**	**130 J**	**650 J**	740 U	**2600**	**1200**	**170 J**	350 U
Naphthalene	1,000,000.0	3700 U	3600 U	380 U	370 U	770 U	740 U	**500 J**	**180 J**	360 U	350 U
Phenanthrene	1,000,000.0	**6000**	**5300**	**360 J**	**150 J**	**740 J**	**180 J**	**2800**	**2400**	**300 J**	350 U
Pyrene	100,000.0	**9700**	**9200**	**560**	**300 J**	**1900**	**390 J**	**3000**	**3200**	**460**	350 U
Polychlorinated Biphenyl Aroclors (µg/kg)											
Aroclor 1016		40 U	37 U	37 U	36 U	37 U	35 U	36 U	36 U	35 U	35 U
Aroclor 1221		81 U	75 U	75 U	73 U	74 U	71 U	74 U	72 U	72 U	70 U
Aroclor 1232		40 U	37 U	37 U	36 U	37 U	35 U	36 U	36 U	35 U	35 U
Aroclor 1242		40 U	37 U	37 U	36 U	37 U	35 U	36 U	36 U	35 U	35 U
Aroclor 1248		40 U	37 U	37 U	36 U	37 U	35 U	36 U	36 U	35 U	35 U
Aroclor 1254		40 U	37 U	37 U	36 U	37 U	35 U	**46**	36 U	35 U	35 U
Aroclor 1260		40 U	37 U	37 U	36 U	37 U	35 U	36 U	36 U	35 U	35 U
Total polychlorinated biphenyls	25,000.0	0	0	0	0	0	0	**46**	0	0	0

Table 3-2
Soil Organic Analytical Results Summary

Chemical	Protection of Public Health - Part 375 - Industrial SCOs	JSSC-TP03 6/1/2022 4 ft	SB07-5-6 11/18/2022 5–6 ft	SB07-8-9 11/18/2022 8–9 ft	SB08-9-10 11/21/2022 9–10 ft	SB09-6-6.5 11/18/2022 6–6.5 ft	SB1 6/3/2022 4–5 ft	SB2 6/2/2022 5–6 ft	SB2 6/2/2022 6–7 ft	SB2 6/2/2022 7–8 ft	SB2 6/2/2022 8–9 ft
Volatile Organic Compounds (µg/kg)											
1,1,1,2-Tetrachloroethane		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,1,1-Trichloroethane	1,000,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,1,2,2-Tetrachloroethane		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,1,2-Trichloroethane		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,1-Dichloroethane	480,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,1-Dichloroethene	1,000,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,1-Dichloropropene		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,2,3-Trichlorobenzene		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,2,3-Trichloropropane		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,2,4-Trichlorobenzene		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,2,4-Trimethylbenzene	380,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	**0.28 J**	4.8 U	4.4 U	4.7 U	5.0 U
1,2-Dibromo-3-chloropropane		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,2-Dichlorobenzene	1,000,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,2-Dichloroethane	60,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,2-Dichloroethene, cis-	1,000,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,2-Dichloroethene, trans-	1,000,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,2-Dichloropropane		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,3,5-Trimethylbenzene (Mesitylene)	380,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,3-Dichlorobenzene	560,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,3-Dichloropropane		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,3-Dichloropropene, cis-		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,3-Dichloropropene, trans-		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,4-Dichloro-2-butene, trans-		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,4-Dichlorobenzene	250,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
1,4-Dioxane	250,000.0	86 U	99 U	100 U	110 U	110 U	120 U	97 U	89 U	94 U	99 U
2,2-Dichloropropane		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
2-Chlorotoluene		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
2-Hexanone (Methyl butyl ketone)		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
4-Chlorotoluene		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Acetone	1,000,000.0	22 U	25 U	25 U	27 U	28 U	30 U	24 U	22 U	23 U	**19 J**
Acrylonitrile		22 U	25 U	25 U	27 U	28 U	30 U	24 U	22 U	23 U	25 U
Benzene	89,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Bromobenzene		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Bromochloromethane		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Bromodichloromethane		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Bromoform (Tribromomethane)		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Bromomethane (Methyl bromide)		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Carbon disulfide		4.3 U	4.9 U	5.0 U	5.3 U	**0.56 J**	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Carbon tetrachloride (Tetrachloromethane)	44,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U

Table 3-2
Soil Organic Analytical Results Summary

Chemical	Protection of Public Health - Part 375 - Industrial SCOs	JSSC-TP03 6/1/2022 4 ft	SB07-5-6 11/18/2022 5–6 ft	SB07-8-9 11/18/2022 8–9 ft	SB08-9-10 11/21/2022 9–10 ft	SB09-6-6.5 11/18/2022 6–6.5 ft	SB1 6/3/2022 4–5 ft	SB2 6/2/2022 5–6 ft	SB2 6/2/2022 6–7 ft	SB2 6/2/2022 7–8 ft	SB2 6/2/2022 8–9 ft
Chlorobenzene	1,000,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Chloroethane		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Chloroform	700,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	**0.37 J**	4.8 U	4.4 U	4.7 U	5.0 U
Chloromethane		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Cymene, p- (4-Isopropyltoluene)		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Dibromochloromethane		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Dibromomethane		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Dichlorodifluoromethane		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Dichloromethane (Methylene chloride)	1,000,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Diethyl ether		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Ethylbenzene	780,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Ethylene dibromide (1,2-Dibromoethane)		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Isopropylbenzene (Cumene)		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
m,p-Xylene	1,000.0	8.6 U	9.9 U	10 U	11 U	11 U	12 U	9.7 U	8.9 U	9.4 U	9.9 U
Methyl ethyl ketone (2-Butanone)	1,000,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Methyl tert-butyl ether (MTBE)	1,000,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Naphthalene		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
n-Butylbenzene		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
n-Propylbenzene	1,000,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
o-Xylene		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
sec-Butylbenzene	1,000,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Styrene		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
tert-Butylbenzene	1,000,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Tetrachloroethene (PCE)	300,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Toluene	1,000,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Total Xylene	1,000,000.0	13 U	15 U	15 U	16 U	17 U	18 U	15 U	13 U	14 U	15 U
Trichloroethene (TCE)	400,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	**0.74 J**	4.8 U	4.4 U	4.7 U	5.0 U
Trichlorofluoromethane (Fluorotrichloromethane)		4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Vinyl acetate		8.6 U	9.9 U	10 U	11 U	11 U	12 U	9.7 U	8.9 U	9.4 U	9.9 U
Vinyl chloride	27,000.0	4.3 U	4.9 U	5.0 U	5.3 U	5.5 U	6.0 U	4.8 U	4.4 U	4.7 U	5.0 U
Semivolatile Organic Compounds (µg/kg)											
1,2,4,5-Tetrachlorobenzene		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
2,2'-Oxybis (1-chloropropane)		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
2,3,4,6-Tetrachlorophenol		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
2,4,5-Trichlorophenol		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
2,4,6-Trichlorophenol		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
2,4-Dichlorophenol		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
2,4-Dimethylphenol		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
2,4-Dinitrophenol		1800 U	1800 U	1800 U	1700 U	9000 U	2200 U	1800 U	1800 U	1800 U	1800 U
2,4-Dinitrotoluene		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U

Table 3-2
Soil Organic Analytical Results Summary

Chemical	Protection of Public Health - Part 375 - Industrial SCOs	JSSC-TP03 6/1/2022 4 ft	SB07-5-6 11/18/2022 5–6 ft	SB07-8-9 11/18/2022 8–9 ft	SB08-9-10 11/21/2022 9–10 ft	SB09-6-6.5 11/18/2022 6–6.5 ft	SB1 6/3/2022 4–5 ft	SB2 6/2/2022 5–6 ft	SB2 6/2/2022 6–7 ft	SB2 6/2/2022 7–8 ft	SB2 6/2/2022 8–9 ft
2,6-Dinitrotoluene		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
2-Chloronaphthalene		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
2-Chlorophenol		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
2-Methylphenol (o-Cresol)		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
2-Nitroaniline		1800 U	1800 U	1800 U	1700 U	9000 U	2200 U	1800 U	1800 U	1800 U	1800 U
2-Nitrophenol		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
3,3'-Dichlorobenzidine		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
3-Methylphenol & 4-Methylphenol (m&p-Cresol)		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
3-Nitroaniline		1800 U	1800 U	1800 U	1700 U	9000 U	2200 U	1800 U	1800 U	1800 U	1800 U
4-Bromophenyl-phenyl ether		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
4-Chloro-3-methylphenol		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
4-Chloroaniline		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
4-Chlorophenyl phenyl ether		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
4-Nitroaniline		1800 U	1800 U	1800 U	1700 U	9000 U	2200 U	1800 U	1800 U	1800 U	1800 U
4-Nitrophenol		1800 U	1800 U	1800 U	1700 U	9000 U	2200 U	1800 U	1800 U	1800 U	1800 U
Acetophenone		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
Atrazine		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
Benzaldehyde		1800 U	1800 U	1800 U	1700 U	9000 U	**150 J**	1800 U	1800 U	1800 U	1800 U
Biphenyl (1,1'-Biphenyl)		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
Bis(2-chloroethoxy)methane		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
Bis(2-chloroethyl)ether		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
Bis(2-ethylhexyl)phthalate		540 U	520 U	530 U	510 U	2700 U	650 U	530 U	520 U	530 U	520 U
Butylbenzyl phthalate		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
Caprolactam		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
Carbazole		360 U	340 U	350 U	340 U	**12000**	430 U	350 U	350 U	350 U	340 U
Dibenzofuran	1,000,000.0	360 U	340 U	350 U	340 U	**1300 J**	**140 J**	350 U	350 U	350 U	340 U
Diethyl phthalate		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
Dimethyl phthalate		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
Di-n-butyl phthalate		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	**92 J**	340 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		1800 U	1800 U	1800 U	1700 U	9000 U	2200 U	1800 U	1800 U	1800 U	1800 U
Di-n-octyl phthalate		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
Hexachlorobenzene		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
Hexachlorocyclopentadiene		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
Hexachloroethane		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
Isophorone		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
Nitrobenzene		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
n-Nitrosodi-n-propylamine		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
n-Nitrosodiphenylamine		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
Pentachlorophenol		1800 U	1800 U	1800 U	1700 U	9000 U	2200 U	1800 U	1800 U	1800 U	1800 U
Phenol		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U

Table 3-2
Soil Organic Analytical Results Summary

Chemical	Protection of Public Health - Part 375 - Industrial SCOs	JSSC-TP03 6/1/2022 4 ft	SB07-5-6 11/18/2022 5–6 ft	SB07-8-9 11/18/2022 8–9 ft	SB08-9-10 11/21/2022 9–10 ft	SB09-6-6.5 11/18/2022 6–6.5 ft	SB1 6/3/2022 4–5 ft	SB2 6/2/2022 5–6 ft	SB2 6/2/2022 6–7 ft	SB2 6/2/2022 7–8 ft	SB2 6/2/2022 8–9 ft
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene		360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
Acenaphthene	1,000,000.0	360 U	340 U	350 U	340 U	**3300**	**170 J**	350 U	350 U	350 U	340 U
Acenaphthylene	1,000,000.0	360 U	340 U	350 U	340 U	1800 U	430 U	350 U	350 U	350 U	340 U
Anthracene	1,000,000.0	360 U	340 U	350 U	340 U	**56000**	**430**	350 U	350 U	350 U	340 U
Benzo(a)anthracene	11,000.0	360 U	340 U	350 U	340 U	**59000**	**1300**	350 U	350 U	350 U	340 U
Benzo(a)pyrene	1,100.0	360 U	340 U	350 U	340 U	**31000**	**1700**	350 U	350 U	350 U	340 U
Benzo(b,j)fluoranthene	11,000.0	360 U	340 U	350 U	340 U	**40000**	**1700**	350 U	350 U	350 U	340 U
Benzo(g,h,i)perylene	1,000,000.0	360 U	340 U	350 U	340 U	**10000**	**880**	350 U	350 U	350 U	340 U
Benzo(k)fluoranthene	110,000.0	360 U	340 U	350 U	340 U	**14000**	**590**	350 U	350 U	350 U	340 U
Chrysene	110,000.0	360 U	340 U	350 U	340 U	**54000**	**1300**	350 U	350 U	350 U	340 U
Dibenzo(a,h)anthracene	1,100.0	360 U	340 U	350 U	340 U	**3200**	**240 J**	350 U	350 U	350 U	340 U
Fluoranthene	1,000,000.0	360 U	340 U	350 U	340 U	**170000**	**2600**	350 U	350 U	350 U	340 U
Fluorene	1,000,000.0	360 U	340 U	350 U	340 U	**5400**	**140 J**	350 U	350 U	350 U	340 U
Indeno(1,2,3-c,d)pyrene	11,000.0	360 U	340 U	350 U	340 U	**14000**	**970**	350 U	350 U	350 U	340 U
Naphthalene	1,000,000.0	360 U	340 U	350 U	340 U	1800 U	**160 J**	350 U	350 U	350 U	340 U
Phenanthrene	1,000,000.0	360 U	340 U	350 U	340 U	**100000**	**1800**	350 U	350 U	350 U	340 U
Pyrene	100,000.0	360 U	340 U	350 U	340 U	**140000**	**2300**	350 U	350 U	350 U	340 U
Polychlorinated Biphenyl Aroclors (µg/kg)											
Aroclor 1016		34 U	36 U	34 U	34 U	34 U	42 U	35 U	36 U	35 U	35 U
Aroclor 1221		70 U	73 U	69 U	70 U	69 U	85 U	72 U	73 U	72 U	71 U
Aroclor 1232		34 U	36 U	34 U	34 U	34 U	42 U	35 U	36 U	35 U	35 U
Aroclor 1242		34 U	36 U	34 U	34 U	34 U	42 U	35 U	36 U	35 U	35 U
Aroclor 1248		34 U	36 U	34 U	34 U	34 U	42 U	35 U	36 U	35 U	35 U
Aroclor 1254		34 U	36 U	34 U	34 U	34 U	42 U	35 U	36 U	35 U	35 U
Aroclor 1260		34 U	36 U	34 U	34 U	34 U	**38 J**	35 U	36 U	35 U	35 U
Total polychlorinated biphenyls	25,000.0	0	0	0	0	0	**38J**	0	0	0	0

Table 3-2
Soil Organic Analytical Results Summary

Chemical	Protection of Public Health - Part 375 - Industrial SCOs	SB2 6/2/2022 9–10 ft	SB2 6/2/2022 9–10 ft	SB3 6/3/2022 5–6 ft	SB3 6/3/2022 6–7 ft	SB3 6/3/2022 7–8 ft	SB3 6/3/2022 8–9 ft	SB3 6/3/2022 6–7 ft	SB4 6/3/2022 5–6 ft	SB4 6/3/2022 7–8 ft	SB4 6/3/2022 8–9 ft
Volatile Organic Compounds (µg/kg)											
1,1,1,2-Tetrachloroethane		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,1,1-Trichloroethane	1,000,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,1,2,2-Tetrachloroethane		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,1,2-Trichloroethane		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,1-Dichloroethane	480,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,1-Dichloroethene	1,000,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,1-Dichloropropene		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,2,3-Trichlorobenzene		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,2,3-Trichloropropane		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,2,4-Trichlorobenzene		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,2,4-Trimethylbenzene	380,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,2-Dibromo-3-chloropropane		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,2-Dichlorobenzene	1,000,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,2-Dichloroethane	60,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,2-Dichloroethene, cis-	1,000,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,2-Dichloroethene, trans-	1,000,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,2-Dichloropropane		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,3,5-Trimethylbenzene (Mesitylene)	380,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,3-Dichlorobenzene	560,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,3-Dichloropropane		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,3-Dichloropropene, cis-		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,3-Dichloropropene, trans-		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,4-Dichloro-2-butene, trans-		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,4-Dichlorobenzene	250,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
1,4-Dioxane	250,000.0	100 U	97 U	96 U	95 U	97 U	93 U	91 U	100 U	100 U	96 U
2,2-Dichloropropane		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
2-Chlorotoluene		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
2-Hexanone (Methyl butyl ketone)		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
4-Chlorotoluene		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Acetone	1,000,000.0	25 U	24 U	24 U	24 U	24 U	23 U	23 U	25 U	26 U	24 U
Acrylonitrile		25 U	24 U	24 U	24 U	24 U	23 U	23 U	25 U	26 U	24 U
Benzene	89,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Bromobenzene		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Bromochloromethane		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Bromodichloromethane		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Bromoform (Tribromomethane)		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Bromomethane (Methyl bromide)		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Carbon disulfide		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Carbon tetrachloride (Tetrachloromethane)	44,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U

Table 3-2
Soil Organic Analytical Results Summary

Chemical	Protection of Public Health - Part 375 - Industrial SCOs	SB2 6/2/2022 9–10 ft	SB2 6/2/2022 9–10 ft	SB3 6/3/2022 5–6 ft	SB3 6/3/2022 6–7 ft	SB3 6/3/2022 7–8 ft	SB3 6/3/2022 8–9 ft	SB3 6/3/2022 6–7 ft	SB4 6/3/2022 5–6 ft	SB4 6/3/2022 7–8 ft	SB4 6/3/2022 8–9 ft
Chlorobenzene	1,000,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Chloroethane		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Chloroform	700,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Chloromethane		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Cymene, p- (4-Isopropyltoluene)		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Dibromochloromethane		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Dibromomethane		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Dichlorodifluoromethane		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Dichloromethane (Methylene chloride)	1,000,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Diethyl ether		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Ethylbenzene	780,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Ethylene dibromide (1,2-Dibromoethane)		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Isopropylbenzene (Cumene)		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
m,p-Xylene	1,000.0	10 U	9.7 U	9.6 U	9.5 U	9.7 U	9.3 U	9.1 U	10 U	10 U	9.6 U
Methyl ethyl ketone (2-Butanone)	1,000,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Methyl tert-butyl ether (MTBE)	1,000,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Naphthalene		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
n-Butylbenzene		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
n-Propylbenzene	1,000,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
o-Xylene		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
sec-Butylbenzene	1,000,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Styrene		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
tert-Butylbenzene	1,000,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Tetrachloroethene (PCE)	300,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Toluene	1,000,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Total Xylene	1,000,000.0	15 U	15 U	14 U	14 U	15 U	14 U	14 U	15 U	15 U	14 U
Trichloroethene (TCE)	400,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Trichlorofluoromethane (Fluorotrichloromethane)		5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Vinyl acetate		10 U	9.7 U	9.6 U	9.5 U	9.7 U	9.3 U	9.1 U	10 U	10 U	9.6 U
Vinyl chloride	27,000.0	5.1 U	4.9 U	4.8 U	4.7 U	4.9 U	4.6 U	4.6 U	5.1 U	5.1 U	4.8 U
Semivolatile Organic Compounds (µg/kg)											
1,2,4,5-Tetrachlorobenzene		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
2,2'-Oxybis (1-chloropropane)		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
2,3,4,6-Tetrachlorophenol		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
2,4,5-Trichlorophenol		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
2,4,6-Trichlorophenol		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
2,4-Dichlorophenol		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
2,4-Dimethylphenol		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
2,4-Dinitrophenol		1800 U	1700 U	1800 U	1900 U	1800 U	1800 U	1800 U	1900 U	1900 U	1900 U
2,4-Dinitrotoluene		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U

Table 3-2
Soil Organic Analytical Results Summary

Chemical	Protection of Public Health - Part 375 - Industrial SCOs	SB2 6/2/2022 9–10 ft	SB2 6/2/2022 9–10 ft	SB3 6/3/2022 5–6 ft	SB3 6/3/2022 6–7 ft	SB3 6/3/2022 7–8 ft	SB3 6/3/2022 8–9 ft	SB3 6/3/2022 6–7 ft	SB4 6/3/2022 5–6 ft	SB4 6/3/2022 7–8 ft	SB4 6/3/2022 8–9 ft
2,6-Dinitrotoluene		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
2-Chloronaphthalene		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
2-Chlorophenol		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
2-Methylphenol (o-Cresol)		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
2-Nitroaniline		1800 U	1700 U	1800 U	1900 U	1800 U	1800 U	1800 U	1900 U	1900 U	1900 U
2-Nitrophenol		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
3,3'-Dichlorobenzidine		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
3-Methylphenol & 4-Methylphenol (m&p-Cresol)		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
3-Nitroaniline		1800 U	1700 U	1800 U	1900 U	1800 U	1800 U	1800 U	1900 U	1900 U	1900 U
4-Bromophenyl-phenyl ether		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
4-Chloro-3-methylphenol		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
4-Chloroaniline		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
4-Chlorophenyl phenyl ether		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
4-Nitroaniline		1800 U	1700 U	1800 U	1900 U	1800 U	1800 U	1800 U	1900 U	1900 U	1900 U
4-Nitrophenol		1800 U	1700 U	1800 U	1900 U	1800 U	1800 U	1800 U	1900 U	1900 U	1900 U
Acetophenone		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Atrazine		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Benzaldehyde		1800 U	1700 U	1800 U	1900 U	1800 U	1800 U	1800 U	1900 U	1900 U	1900 U
Biphenyl (1,1'-Biphenyl)		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Bis(2-chloroethoxy)methane		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Bis(2-chloroethyl)ether		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Bis(2-ethylhexyl)phthalate		530 U	510 U	520 U	560 U	540 U	520 U	520 U	550 U	560 U	560 U
Butylbenzyl phthalate		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Caprolactam		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Carbazole		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Dibenzofuran	1,000,000.0	350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Diethyl phthalate		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Dimethyl phthalate		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Di-n-butyl phthalate		**76 J**	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		1800 U	1700 U	1800 U	1900 U	1800 U	1800 U	1800 U	1900 U	1900 U	1900 U
Di-n-octyl phthalate		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Hexachlorobenzene		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Hexachlorocyclopentadiene		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Hexachloroethane		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Isophorone		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Nitrobenzene		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
n-Nitrosodi-n-propylamine		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
n-Nitrosodiphenylamine		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Pentachlorophenol		1800 U	1700 U	1800 U	1900 U	1800 U	1800 U	1800 U	1900 U	1900 U	1900 U
Phenol		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U

Table 3-2
Soil Organic Analytical Results Summary

Chemical	Protection of Public Health - Part 375 - Industrial SCOs	SB2 6/2/2022 9–10 ft	SB2 6/2/2022 9–10 ft	SB3 6/3/2022 5–6 ft	SB3 6/3/2022 6–7 ft	SB3 6/3/2022 7–8 ft	SB3 6/3/2022 8–9 ft	SB3 6/3/2022 6–7 ft	SB4 6/3/2022 5–6 ft	SB4 6/3/2022 7–8 ft	SB4 6/3/2022 8–9 ft
Polycyclic Aromatic Hydrocarbons (µg/kg)											
2-Methylnaphthalene		350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Acenaphthene	1,000,000.0	350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Acenaphthylene	1,000,000.0	350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Anthracene	1,000,000.0	350 U	340 U	340 U	370 U	360 U	340 U	350 U	**65 J**	370 U	370 U
Benzo(a)anthracene	11,000.0	350 U	340 U	340 U	370 U	360 U	340 U	350 U	**260 J**	**260 J**	**110 J**
Benzo(a)pyrene	1,100.0	350 U	340 U	340 U	370 U	360 U	340 U	350 U	**310 J**	**330 J**	**140 J**
Benzo(b,j)fluoranthene	11,000.0	350 U	340 U	340 U	370 U	360 U	340 U	350 U	**310 J**	**330 J**	**140 J**
Benzo(g,h,i)perylene	1,000,000.0	350 U	340 U	340 U	370 U	360 U	340 U	350 U	**180 J**	**180 J**	**120 J**
Benzo(k)fluoranthene	110,000.0	350 U	340 U	340 U	370 U	360 U	340 U	350 U	**110 J**	**120 J**	370 U
Chrysene	110,000.0	350 U	340 U	340 U	370 U	360 U	340 U	350 U	**250 J**	**260 J**	**110 J**
Dibenzo(a,h)anthracene	1,100.0	350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Fluoranthene	1,000,000.0	350 U	340 U	340 U	370 U	360 U	340 U	350 U	**520**	**510**	**210 J**
Fluorene	1,000,000.0	350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Indeno(1,2,3-c,d)pyrene	11,000.0	350 U	340 U	340 U	370 U	360 U	340 U	350 U	**180 J**	**200 J**	370 U
Naphthalene	1,000,000.0	350 U	340 U	340 U	370 U	360 U	340 U	350 U	370 U	370 U	370 U
Phenanthrene	1,000,000.0	350 U	340 U	340 U	370 U	360 U	340 U	350 U	**310 J**	**270 J**	**110 J**
Pyrene	100,000.0	350 U	340 U	340 U	370 U	360 U	340 U	350 U	**500**	**470**	**200 J**
Polychlorinated Biphenyl Aroclors (µg/kg)											
Aroclor 1016		36 U	36 U	34 U	36 U	36 U	36 U	34 U	38 U	35 U	37 U
Aroclor 1221		73 U	74 U	70 U	73 U	73 U	73 U	68 U	77 U	72 U	76 U
Aroclor 1232		36 U	36 U	34 U	36 U	36 U	36 U	34 U	38 U	35 U	37 U
Aroclor 1242		36 U	36 U	34 U	36 U	36 U	36 U	34 U	38 U	35 U	37 U
Aroclor 1248		36 U	36 U	34 U	36 U	36 U	36 U	34 U	38 U	35 U	37 U
Aroclor 1254		36 U	36 U	34 U	36 U	36 U	36 U	34 U	38 U	**67**	37 U
Aroclor 1260		36 U	36 U	34 U	36 U	36 U	36 U	34 U	**25 J**	**26 J**	37 U
Total polychlorinated biphenyls	25,000.0	0	0	0	0	0	0	0	**25J**	**93J**	0

Table 3-2
Soil Organic Analytical Results Summary

Chemical	Protection of Public Health - Part 375 - Industrial SCOs	SB4 6/3/2022 9–9.5 ft	SB4 6/3/2022 6–7 ft	SB5 6/2/2022 5–6 ft	SB5 6/2/2022 6–7 ft	SB5 6/2/2022 7–8 ft	SB5 6/2/2022 8–9 ft	TMW-01-16-17 11/1/2022 16–17 ft
Volatile Organic Compounds (µg/kg)								
1,1,1,2-Tetrachloroethane		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,1,1-Trichloroethane	1,000,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,1,2,2-Tetrachloroethane		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,1,2-Trichloroethane		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,1-Dichloroethane	480,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,1-Dichloroethene	1,000,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,1-Dichloropropene		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,2,3-Trichlorobenzene		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,2,3-Trichloropropane		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,2,4-Trichlorobenzene		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,2,4-Trimethylbenzene	380,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,2-Dibromo-3-chloropropane		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,2-Dichlorobenzene	1,000,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,2-Dichloroethane	60,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,2-Dichloroethene, cis-	1,000,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,2-Dichloroethene, trans-	1,000,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,2-Dichloropropane		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,3,5-Trimethylbenzene (Mesitylene)	380,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,3-Dichlorobenzene	560,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,3-Dichloropropane		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,3-Dichloropropene, cis-		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,3-Dichloropropene, trans-		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,4-Dichloro-2-butene, trans-		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,4-Dichlorobenzene	250,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
1,4-Dioxane	250,000.0	100 U	100 U	96 U	86 U	92 U	75 U	94 U
2,2-Dichloropropane		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
2-Chlorotoluene		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
2-Hexanone (Methyl butyl ketone)		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
4-Chlorotoluene		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Acetone	1,000,000.0	26 U	25 U	24 U	21 U	23 U	**13 J**	24 U
Acrylonitrile		26 U	25 U	24 U	21 U	23 U	19 U	24 U
Benzene	89,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Bromobenzene		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Bromochloromethane		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Bromodichloromethane		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Bromoform (Tribromomethane)		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Bromomethane (Methyl bromide)		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Carbon disulfide		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Carbon tetrachloride (Tetrachloromethane)	44,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U

Table 3-2
Soil Organic Analytical Results Summary

Chemical	Protection of Public Health - Part 375 - Industrial SCOs	SB4 6/3/2022 9–9.5 ft	SB4 6/3/2022 6–7 ft	SB5 6/2/2022 5–6 ft	SB5 6/2/2022 6–7 ft	SB5 6/2/2022 7–8 ft	SB5 6/2/2022 8–9 ft	TMW-01-16-17 11/1/2022 16–17 ft
Chlorobenzene	1,000,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Chloroethane		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Chloroform	700,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Chloromethane		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Cymene, p- (4-Isopropyltoluene)		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Dibromochloromethane		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Dibromomethane		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Dichlorodifluoromethane		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Dichloromethane (Methylene chloride)	1,000,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Diethyl ether		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Ethylbenzene	780,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Ethylene dibromide (1,2-Dibromoethane)		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Isopropylbenzene (Cumene)		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
m,p-Xylene	1,000.0	10 U	10 U	9.6 U	8.6 U	9.2 U	7.5 U	9.4 U
Methyl ethyl ketone (2-Butanone)	1,000,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Methyl tert-butyl ether (MTBE)	1,000,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Naphthalene		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
n-Butylbenzene		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
n-Propylbenzene	1,000,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
o-Xylene		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
sec-Butylbenzene	1,000,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Styrene		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
tert-Butylbenzene	1,000,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Tetrachloroethene (PCE)	300,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Toluene	1,000,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Total Xylene	1,000,000.0	15 U	15 U	14 U	13 U	14 U	11 U	14 U
Trichloroethene (TCE)	400,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Trichlorofluoromethane (Fluorotrichloromethane)		5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Vinyl acetate		10 U	10 U	9.6 U	8.6 U	9.2 U	7.5 U	9.4 U
Vinyl chloride	27,000.0	5.1 U	5.0 U	4.8 U	4.3 U	4.6 U	3.8 U	4.7 U
Semivolatile Organic Compounds (µg/kg)								
1,2,4,5-Tetrachlorobenzene		380 U	370 U	380 U	450 U	370 U	590 U	350 U
2,2'-Oxybis (1-chloropropane)		380 U	370 U	380 U	450 U	370 U	590 U	350 U
2,3,4,6-Tetrachlorophenol		380 U	370 U	380 U	450 U	370 U	590 U	350 U
2,4,5-Trichlorophenol		380 U	370 U	380 U	450 U	370 U	590 U	350 U
2,4,6-Trichlorophenol		380 U	370 U	380 U	450 U	370 U	590 U	350 U
2,4-Dichlorophenol		380 U	370 U	380 U	450 U	370 U	590 U	350 U
2,4-Dimethylphenol		380 U	370 U	380 U	450 U	370 U	590 U	350 U
2,4-Dinitrophenol		2000 U	1900 U	1900 U	2300 U	1900 U	3000 U	1800 UJ
2,4-Dinitrotoluene		380 U	370 U	380 U	450 U	370 U	590 U	350 U

Table 3-2
Soil Organic Analytical Results Summary

Chemical	Protection of Public Health - Part 375 - Industrial SCOs	SB4 6/3/2022 9–9.5 ft	SB4 6/3/2022 6–7 ft	SB5 6/2/2022 5–6 ft	SB5 6/2/2022 6–7 ft	SB5 6/2/2022 7–8 ft	SB5 6/2/2022 8–9 ft	TMW-01-16-17 11/1/2022 16–17 ft
2,6-Dinitrotoluene		380 U	370 U	380 U	450 U	370 U	590 U	350 U
2-Chloronaphthalene		380 U	370 U	380 U	450 U	370 U	590 U	350 U
2-Chlorophenol		380 U	370 U	380 U	450 U	370 U	590 U	350 U
2-Methylphenol (o-Cresol)		380 U	370 U	380 U	450 U	370 U	590 U	350 U
2-Nitroaniline		2000 U	1900 U	1900 U	2300 U	1900 U	3000 U	1800 U
2-Nitrophenol		380 U	370 U	380 U	450 U	370 U	590 U	350 U
3,3'-Dichlorobenzidine		380 U	370 U	380 U	450 U	370 U	590 U	350 U
3-Methylphenol & 4-Methylphenol (m&p-Cresol)		380 U	370 U	380 U	450 U	370 U	590 U	350 U
3-Nitroaniline		2000 U	1900 U	1900 U	2300 U	1900 U	3000 U	1800 U
4-Bromophenyl-phenyl ether		380 U	370 U	380 U	450 U	370 U	590 U	350 U
4-Chloro-3-methylphenol		380 U	370 U	380 U	450 U	370 U	590 U	350 U
4-Chloroaniline		380 U	370 U	380 U	450 U	370 U	590 U	350 UJ
4-Chlorophenyl phenyl ether		380 U	370 U	380 U	450 U	370 U	590 U	350 U
4-Nitroaniline		2000 U	1900 U	1900 U	2300 U	1900 U	3000 U	1800 U
4-Nitrophenol		2000 U	1900 U	1900 U	2300 U	1900 U	3000 U	1800 U
Acetophenone		380 U	370 U	380 U	450 U	370 U	590 U	350 U
Atrazine		380 U	370 U	380 U	450 U	370 U	590 U	350 UJ
Benzaldehyde		2000 U	1900 U	1900 U	2300 U	1900 U	3000 U	1800 U
Biphenyl (1,1'-Biphenyl)		380 U	370 U	380 U	450 U	370 U	590 U	350 U
Bis(2-chloroethoxy)methane		380 U	370 U	380 U	450 U	370 U	590 U	350 U
Bis(2-chloroethyl)ether		380 U	370 U	380 U	450 U	370 U	590 U	350 U
Bis(2-ethylhexyl)phthalate		570 U	550 U	570 U	680 U	560 U	890 U	530 U
Butylbenzyl phthalate		380 U	370 U	380 U	450 U	370 U	590 U	350 U
Caprolactam		380 U	370 U	380 U	450 U	370 U	590 U	350 U
Carbazole		380 U	370 U	380 U	450 U	370 U	590 U	350 U
Dibenzofuran	1,000,000.0	380 U	370 U	380 U	450 U	370 U	590 U	350 U
Diethyl phthalate		380 U	370 U	380 U	450 U	370 U	590 U	350 U
Dimethyl phthalate		380 U	370 U	380 U	450 U	370 U	590 U	350 U
Di-n-butyl phthalate		380 U	370 U	380 U	**84 J**	**130 J**	590 U	350 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		2000 U	1900 U	1900 U	2300 U	1900 U	3000 U	1800 U
Di-n-octyl phthalate		380 U	370 U	380 U	450 U	370 U	590 U	350 U
Hexachlorobenzene		380 U	370 U	380 U	450 U	370 U	590 U	350 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		380 U	370 U	380 U	450 U	370 U	590 U	350 U
Hexachlorocyclopentadiene		380 U	370 U	380 U	450 U	370 U	590 U	350 U
Hexachloroethane		380 U	370 U	380 U	450 U	370 U	590 U	350 U
Isophorone		380 U	370 U	380 U	450 U	370 U	590 U	350 U
Nitrobenzene		380 U	370 U	380 U	450 U	370 U	590 U	350 U
n-Nitrosodi-n-propylamine		380 U	370 U	380 U	450 U	370 U	590 U	350 U
n-Nitrosodiphenylamine		380 U	370 U	380 U	450 U	370 U	590 U	350 U
Pentachlorophenol		2000 U	1900 U	1900 U	2300 U	1900 U	3000 U	1800 U
Phenol		380 U	370 U	380 U	450 U	370 U	590 U	350 U

Table 3-2
Soil Organic Analytical Results Summary

Chemical	Protection of Public Health - Part 375 - Industrial SCOs	SB4 6/3/2022 9–9.5 ft	SB4 6/3/2022 6–7 ft	SB5 6/2/2022 5–6 ft	SB5 6/2/2022 6–7 ft	SB5 6/2/2022 7–8 ft	SB5 6/2/2022 8–9 ft	TMW-01-16-17 11/1/2022 16–17 ft
Polycyclic Aromatic Hydrocarbons (µg/kg)								
2-Methylnaphthalene		380 U	370 U	380 U	450 U	370 U	590 U	350 U
Acenaphthene	1,000,000.0	380 U	370 U	380 U	450 U	370 U	590 U	350 U
Acenaphthylene	1,000,000.0	380 U	370 U	380 U	450 U	370 U	590 U	350 U
Anthracene	1,000,000.0	380 U	370 U	380 U	450 U	370 U	590 U	350 U
Benzo(a)anthracene	11,000.0	380 U	**100 J**	380 U	450 U	370 U	590 U	350 U
Benzo(a)pyrene	1,100.0	380 U	**120 J**	380 U	450 U	370 U	590 U	350 U
Benzo(b,j)fluoranthene	11,000.0	380 U	**120 J**	380 U	450 U	370 U	590 U	350 U
Benzo(g,h,i)perylene	1,000,000.0	380 U	370 U	380 U	450 U	370 U	590 U	350 U
Benzo(k)fluoranthene	110,000.0	380 U	370 U	380 U	450 U	370 U	590 U	350 U
Chrysene	110,000.0	380 U	**100 J**	380 U	450 U	370 U	590 U	350 U
Dibenzo(a,h)anthracene	1,100.0	380 U	370 U	380 U	450 U	370 U	590 U	350 U
Fluoranthene	1,000,000.0	380 U	**210 J**	380 U	450 U	370 U	590 U	350 U
Fluorene	1,000,000.0	380 U	370 U	380 U	450 U	370 U	590 U	350 U
Indeno(1,2,3-c,d)pyrene	11,000.0	380 U	370 U	380 U	450 U	370 U	590 U	350 U
Naphthalene	1,000,000.0	380 U	370 U	380 U	450 U	370 U	590 U	350 U
Phenanthrene	1,000,000.0	380 U	**130 J**	380 U	450 U	370 U	590 U	350 U
Pyrene	100,000.0	**83 J**	**200 J**	380 U	450 U	370 U	590 U	350 U
Polychlorinated Biphenyl Aroclors (µg/kg)								
Aroclor 1016		37 U	35 U	40 U	38 U	38 U	65 U	--
Aroclor 1221		75 U	71 U	80 U	78 U	77 U	130 U	--
Aroclor 1232		37 U	35 U	40 U	38 U	38 U	65 U	--
Aroclor 1242		37 U	35 U	40 U	38 U	38 U	65 U	--
Aroclor 1248		37 U	35 U	40 U	38 U	38 U	65 U	--
Aroclor 1254		37 U	35 U	40 U	38 U	38 U	65 U	--
Aroclor 1260		37 U	35 U	40 U	38 U	38 U	65 U	--
Total polychlorinated biphenyls	25,000.0	0	0	0	0	0	0	--

Table 3-2
Soil Organic Analytical Results Summary

Notes:
Detected concentration is greater than Part 375 - Industrial SCOs
Bold: detected result
Non-detects were evaluated at the method detection limit for volatile organic compounds and semivolatile organic compounds.
For volatile organic compounds and semivolatile organic compounds, the value shown next to the "U" qualifier is the reporting detection limit.
µg/kg: microgram per kilogram
J: estimated value
PCB: polychlorinated biphenyl
SCO: soil cleanup objective
U: compound analyzed for but not detected above detection limit
UJ: compound analyzed for but not detected above estimated detection limit

Table 3-3

Groundwater Inorganic Analytical Results Summary

Chemical	NYS TOGS 1.1.1 Class GA H(WS) Groundwater Screening Standard	HAE_ConEd_SC HW-10 JSSC-HW-10-20221102 11/2/2022	HAE_ConEd_SC MW-07 JSSC-MW-07-20221102 11/2/2022	HAE_ConEd_SC TMW-01 JSSC-TMW-01-20221101 11/1/2022
Metals (mg/L)				
Aluminum		**0.07 J**	**0.25**	**0.08 J**
Antimony	0.003	0.060 U	0.060 U	0.060 U
Arsenic	0.025	**0.042**	**0.02**	**0.219**
Barium	1	**0.384**	**0.27**	**0.218**
Beryllium		0.0030 U	0.0030 U	0.0030 U
Cadmium	0.005	**0.0005 J**	0.0050 U	0.0050 U
Calcium		**75.9**	**62.3**	**53.6**
Chromium	0.05	**0.012**	0.010 U	**0.064**
Cobalt		0.050 U	0.050 U	**0.001 J**
Copper	0.2	**0.006 J**	0.020 U	0.020 U
Iron		**0.43 J**	**0.64 J**	**0.15 J**
Lead	0.025	0.050 U	0.050 U	0.050 U
Magnesium		**8.1**	**13.6**	**4.8**
Manganese		**3.53**	**1.66**	**0.048**
Mercury	0.0007	**0.00017 J**	0.00020 U	**0.00042**
Nickel	0.1	0.040 U	**0.015 J**	0.040 U
Potassium		**8.2**	**7.7**	**10.5**
Selenium	0.01	0.010 U	0.010 U	0.010 U
Silver	0.05	0.010 U	0.010 U	0.010 U
Sodium	20	**114**	**66.4**	**184**
Thallium		0.010 U	0.010 U	0.010 U
Vanadium		**0.004 J**	**0.003 J**	**0.006 J**
Zinc		**0.009 J**	**0.003 J**	0.020 U

Table 3-3

Groundwater Inorganic Analytical Results Summary

Chemical	NYS TOGS 1.1.1 Class GA H(WS) Groundwater Screening Standard	HAE_ConEd_SC HW-10 JSSC-HW-10-20221102 11/2/2022	HAE_ConEd_SC MW-07 JSSC-MW-07-20221102 11/2/2022	HAE_ConEd_SC TMW-01 JSSC-TMW-01-20221101 11/1/2022
Metals, Dissolved (mg/L)				
Aluminum	0.1	0.10 U	0.10 U	0.10 U
Antimony	0.003	0.060 U	0.060 U	0.060 U
Arsenic	0.025	**0.033**	**0.014**	**0.224**
Barium	1	**0.225**	**0.211**	**0.219**
Beryllium		0.0030 U	0.0030 U	0.0030 U
Cadmium	0.005	0.0050 U	0.0050 U	0.0050 U
Calcium		**75.1**	**62.1**	**53.7**
Chromium	0.05	**0.01**	0.010 U	**0.066**
Cobalt		0.050 U	0.050 U	0.050 U
Copper	0.2	0.020 U	0.020 U	0.020 U
Iron		**0.16 J**	**0.09 J**	**0.9 J**
Lead	0.025	0.050 U	0.050 U	0.050 U
Magnesium		**8.1**	**13.4**	**4.8**
Manganese		**0.441**	0.010 U	**0.053**
Mercury	0.0007	0.00020 U	0.00020 U	**0.00027**
Nickel	0.1	0.040 U	0.040 U	0.040 U
Potassium		**7.7**	**7.6**	**10.4**
Selenium	0.01	0.010 U	0.010 U	0.010 U
Silver	0.05	0.010 U	0.010 U	0.010 U
Sodium	20	**112**	**66.7**	**184**
Thallium		0.010 U	0.010 U	0.010 U
Vanadium		0.050 U	0.050 U	0.050 U
Zinc		0.020 U	0.020 U	0.020 U

Notes:

Bold: Detected result

J: Estimated value

mg/L: milligram per liter

NYS TOGS: New York State Technical and Operational Guidance Series

U: Compound analyzed for, but not detected above detection limit

Table 3-4

Groundwater Organic Analytical Results Summary

Chemical	NYS TOGS 1.1.1 Class GA H(WS) Groundwater Screening Standard	HAE_ConEd_SC HW-10 JSSC-HW-10-20221102 11/2/2022	HAE_ConEd_SC MW-07 JSSC-MW-07-20221102 11/2/2022	HAE_ConEd_SC TMW-01 JSSC-TMW-01-20221101 11/1/2022
Volatile Organic Compounds (µg/L)				
1,1,1,2-Tetrachloroethane	5	5.0 U	5.0 U	5.0 U
1,1,1-Trichloroethane	5	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	1	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	5	5.0 U	5.0 U	5.0 U
1,1-Dichloropropene	5	5.0 U	5.0 U	5.0 U
1,2,3-Trichlorobenzene	5	5.0 U	5.0 U	5.0 U
1,2,3-Trichloropropane	0.04	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	5	5.0 U	5.0 U	5.0 U
1,2,4-Trimethylbenzene	5	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane	0.04	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	3	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	0.6	5.0 U	5.0 U	5.0 U
1,2-Dichloroethene, cis-	5	5.0 U	5.0 U	5.0 U
1,2-Dichloroethene, trans-	5	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	1	5.0 U	5.0 U	5.0 U
1,3,5-Trimethylbenzene (Mesitylene)	5	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	3	5.0 U	5.0 U	5.0 U
1,3-Dichloropropane	5	5.0 U	5.0 U	5.0 U
1,3-Dichloropropene, cis-	0.4	5.0 U	5.0 U	5.0 U
1,3-Dichloropropene, trans-	0.4	5.0 U	5.0 U	5.0 U
1,4-Dichloro-2-butene, trans-	5	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	3	5.0 U	5.0 U	5.0 U
1,4-Dioxane		100 U	100 U	100 U
2,2-Dichloropropane	5	5.0 UJ	5.0 UJ	5.0 UJ

Table 3-4
Groundwater Organic Analytical Results Summary

Chemical	NYS TOGS 1.1.1 Class GA H(WS) Groundwater Screening Standard	HAE_ConEd_SC HW-10 JSSC-HW-10-20221102 11/2/2022	HAE_ConEd_SC MW-07 JSSC-MW-07-20221102 11/2/2022	HAE_ConEd_SC TMW-01 JSSC-TMW-01-20221101 11/1/2022
2-Chlorotoluene	5	5.0 U	5.0 U	5.0 U
2-Hexanone (Methyl butyl ketone)		10 U	10 U	10 U
4-Chlorotoluene	5	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)		10 U	10 U	10 U
Acetone		10 U	10 U	10 U
Acrylonitrile	5	100 U	100 U	100 U
Benzene	1	5.0 U	5.0 U	5.0 U
Bromobenzene	5	5.0 U	5.0 U	5.0 U
Bromochloromethane	5	5.0 U	5.0 U	5.0 U
Bromodichloromethane		5.0 U	5.0 U	5.0 U
Bromoform (Tribromomethane)		5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	5	5.0 U	5.0 U	5.0 U
Carbon disulfide		10 U	10 U	10 U
Carbon tetrachloride (Tetrachloromethane)	5	5.0 U	5.0 U	5.0 U
Chlorobenzene	5	5.0 U	5.0 U	5.0 U
Chloroethane	5	5.0 U	5.0 U	5.0 U
Chloroform	7	5.0 U	**0.33 J**	5.0 U
Chloromethane	5	5.0 U	5.0 U	5.0 U
Cymene, p- (4-Isopropyltoluene)	5	5.0 U	5.0 U	5.0 U
Dibromochloromethane		5.0 U	5.0 U	5.0 U
Dibromomethane	5	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane	5	5.0 U	5.0 U	5.0 U
Dichloromethane (Methylene chloride)	5	5.0 U	5.0 U	5.0 U
Diethyl ether		5.0 U	5.0 U	5.0 U
Ethylbenzene	5	5.0 U	5.0 U	5.0 U
Ethylene dibromide (1,2-Dibromoethane)	0.0006	5.0 U	5.0 U	5.0 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.5	5.0 U	5.0 U	5.0 U

Table 3-4

Groundwater Organic Analytical Results Summary

Chemical	NYS TOGS 1.1.1 Class GA H(WS) Groundwater Screening Standard	HAE_ConEd_SC HW-10 JSSC-HW-10-20221102 11/2/2022	HAE_ConEd_SC MW-07 JSSC-MW-07-20221102 11/2/2022	HAE_ConEd_SC TMW-01 JSSC-TMW-01-20221101 11/1/2022
Isopropylbenzene (Cumene)	5	5.0 U	5.0 U	5.0 U
m,p-Xylene		5.0 U	5.0 U	5.0 U
Methyl ethyl ketone (2-Butanone)		10 U	10 U	10 U
Methyl tert-butyl ether (MTBE)		5.0 U	5.0 U	5.0 U
Naphthalene		5.0 U	5.0 U	5.0 U
n-Butylbenzene	5	5.0 U	5.0 U	5.0 U
n-Propylbenzene	5	5.0 U	5.0 U	5.0 U
o-Xylene	5	5.0 U	5.0 U	5.0 U
sec-Butylbenzene	5	5.0 U	5.0 U	5.0 U
Styrene	5	5.0 U	5.0 U	5.0 U
tert-Butylbenzene	5	5.0 U	5.0 U	5.0 U
Tetrachloroethene (PCE)	5	5.0 U	**1.4 J**	5.0 U
Toluene	5	5.0 U	5.0 U	5.0 U
Total Xylene		5.0 U	5.0 U	5.0 U
Trichloroethene (TCE)	5	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane (Fluorotrichloromethane)	5	5.0 U	5.0 U	5.0 U
Vinyl acetate		10 UJ	10 UJ	10 UJ
Vinyl chloride	2	5.0 U	5.0 U	5.0 U
Semivolatile Organic Compounds (µg/L)				
1,2,4,5-Tetrachlorobenzene	5	8.8 U	8.9 U	8.8 U
2,2'-Oxybis (1-chloropropane)	5	8.8 U	8.9 U	8.8 U
2,3,4,6-Tetrachlorophenol		8.8 U	8.9 U	8.8 U
2,4,5-Trichlorophenol		8.8 U	8.9 U	8.8 U
2,4,6-Trichlorophenol		8.8 U	8.9 U	8.8 U
2,4-Dichlorophenol		8.8 U	8.9 U	8.8 U
2,4-Dimethylphenol		8.8 U	8.9 U	8.8 U
2,4-Dinitrophenol		44 UJ	45 UJ	44 UJ

Table 3-4
Groundwater Organic Analytical Results Summary

Chemical	NYS TOGS 1.1.1 Class GA H(WS) Groundwater Screening Standard	HAE_ConEd_SC HW-10 JSSC-HW-10-20221102 11/2/2022	HAE_ConEd_SC MW-07 JSSC-MW-07-20221102 11/2/2022	HAE_ConEd_SC TMW-01 JSSC-TMW-01-20221101 11/1/2022
2,4-Dinitrotoluene	5	8.8 U	8.9 U	8.8 U
2,6-Dinitrotoluene	5	8.8 U	8.9 U	8.8 U
2-Chloronaphthalene		8.8 U	8.9 U	8.8 U
2-Chlorophenol		8.8 U	8.9 U	8.8 U
2-Methylphenol (o-Cresol)		8.8 U	8.9 U	8.8 U
2-Nitroaniline	5	8.8 U	8.9 U	8.8 U
2-Nitrophenol		8.8 U	8.9 U	8.8 U
3,3'-Dichlorobenzidine	5	8.8 UJ	8.9 U	8.8 UJ
3-Methylphenol & 4-Methylphenol (m&p-Cresol)		8.8 U	8.9 U	8.8 U
3-Nitroaniline	5	8.8 U	8.9 U	8.8 U
4-Bromophenyl-phenyl ether		8.8 U	8.9 U	8.8 U
4-Chloro-3-methylphenol		8.8 U	8.9 U	8.8 U
4-Chloroaniline	5	8.8 U	8.9 U	8.8 U
4-Chlorophenyl phenyl ether		8.8 U	8.9 U	8.8 U
4-Nitroaniline	5	8.8 U	8.9 U	8.8 U
4-Nitrophenol		44 U	45 U	44 U
Acetophenone		8.8 U	8.9 U	8.8 U
Atrazine	7.5	8.8 UJ	8.9 UJ	8.8 UJ
Benzaldehyde		8.8 U	8.9 U	8.8 U
Biphenyl (1,1'-Biphenyl)	5	8.8 U	8.9 U	8.8 U
Bis(2-chloroethoxy)methane	5	8.8 U	8.9 U	8.8 U
Bis(2-chloroethyl)ether	1	8.8 U	8.9 U	8.8 U
Bis(2-ethylhexyl)phthalate	5	8.8 U	8.9 U	8.8 U
Butylbenzyl phthalate		8.8 U	8.9 U	8.8 U
Caprolactam		8.8 U	**1.3 J**	8.8 U
Carbazole		8.8 U	8.9 U	8.8 U
Dibenzofuran		8.8 U	8.9 U	8.8 U

Table 3-4
Groundwater Organic Analytical Results Summary

Chemical	NYS TOGS 1.1.1 Class GA H(WS) Groundwater Screening Standard	HAE_ConEd_SC HW-10 JSSC-HW-10-20221102 11/2/2022	HAE_ConEd_SC MW-07 JSSC-MW-07-20221102 11/2/2022	HAE_ConEd_SC TMW-01 JSSC-TMW-01-20221101 11/1/2022
Diethyl phthalate		8.8 U	8.9 U	8.8 U
Dimethyl phthalate		8.8 U	8.9 U	8.8 U
Di-n-butyl phthalate	50	8.8 U	8.9 U	8.8 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)		44 U	45 U	44 U
Di-n-octyl phthalate		8.8 U	8.9 U	8.8 U
Hexachlorobenzene	0.04	8.8 U	8.9 U	8.8 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.5	8.8 U	8.9 U	8.8 U
Hexachlorocyclopentadiene	5	8.8 UJ	8.9 UJ	8.8 UJ
Hexachloroethane	5	8.8 U	8.9 U	8.8 U
Isophorone		8.8 U	8.9 U	8.8 U
Nitrobenzene	50	8.8 U	8.9 U	8.8 U
n-Nitrosodi-n-propylamine		8.8 U	8.9 U	8.8 U
n-Nitrosodiphenylamine		8.8 U	8.9 U	8.8 U
Pentachlorophenol		44 UJ	45 UJ	44 UJ
Phenol	1	8.8 U	8.9 U	8.8 U
Polycyclic Aromatic Hydrocarbons (µg/L)				
2-Methylnaphthalene		8.8 U	8.9 U	8.8 U
Acenaphthene		8.8 U	8.9 U	8.8 U
Acenaphthylene		8.8 U	8.9 U	8.8 U
Anthracene		8.8 U	8.9 U	8.8 U
Benzo(a)anthracene		8.8 U	8.9 U	8.8 U
Benzo(a)pyrene		8.8 U	8.9 U	8.8 U
Benzo(b,j)fluoranthene		8.8 U	8.9 U	8.8 U
Benzo(g,h,i)perylene		8.8 U	8.9 U	8.8 U
Benzo(k)fluoranthene		8.8 U	8.9 U	8.8 U
Chrysene		8.8 U	8.9 U	8.8 U
Dibenzo(a,h)anthracene		8.8 U	8.9 U	8.8 U

Table 3-4

Groundwater Organic Analytical Results Summary

Chemical	NYS TOGS 1.1.1 Class GA H(WS) Groundwater Screening Standard	HAE_ConEd_SC HW-10 JSSC-HW-10-20221102 11/2/2022	HAE_ConEd_SC MW-07 JSSC-MW-07-20221102 11/2/2022	HAE_ConEd_SC TMW-01 JSSC-TMW-01-20221101 11/1/2022
Fluoranthene		8.8 U	8.9 U	8.8 U
Fluorene		8.8 U	8.9 U	8.8 U
Indeno(1,2,3-c,d)pyrene		8.8 U	8.9 U	8.8 U
Naphthalene		8.8 U	8.9 U	8.8 U
Phenanthrene		8.8 U	8.9 U	8.8 U
Pyrene		8.8 U	8.9 U	8.8 U
Polychlorinated Biphenyl Aroclors (µg/L)				
Aroclor 1016		0.88 U	0.89 U	1.0 U
Aroclor 1221		1.8 U	1.8 U	2.0 U
Aroclor 1232		0.88 U	0.89 U	1.0 U
Aroclor 1242		0.88 U	0.89 U	1.0 U
Aroclor 1248		0.88 U	0.89 U	1.0 U
Aroclor 1254		0.88 U	0.89 U	1.0 U
Aroclor 1260		0.88 U	0.89 U	1.0 U
Total polychlorinated biphenyls	0.09	0	0	0

Notes:

Bold: Detected result

µg/L: microgram per liter

J: Estimated value

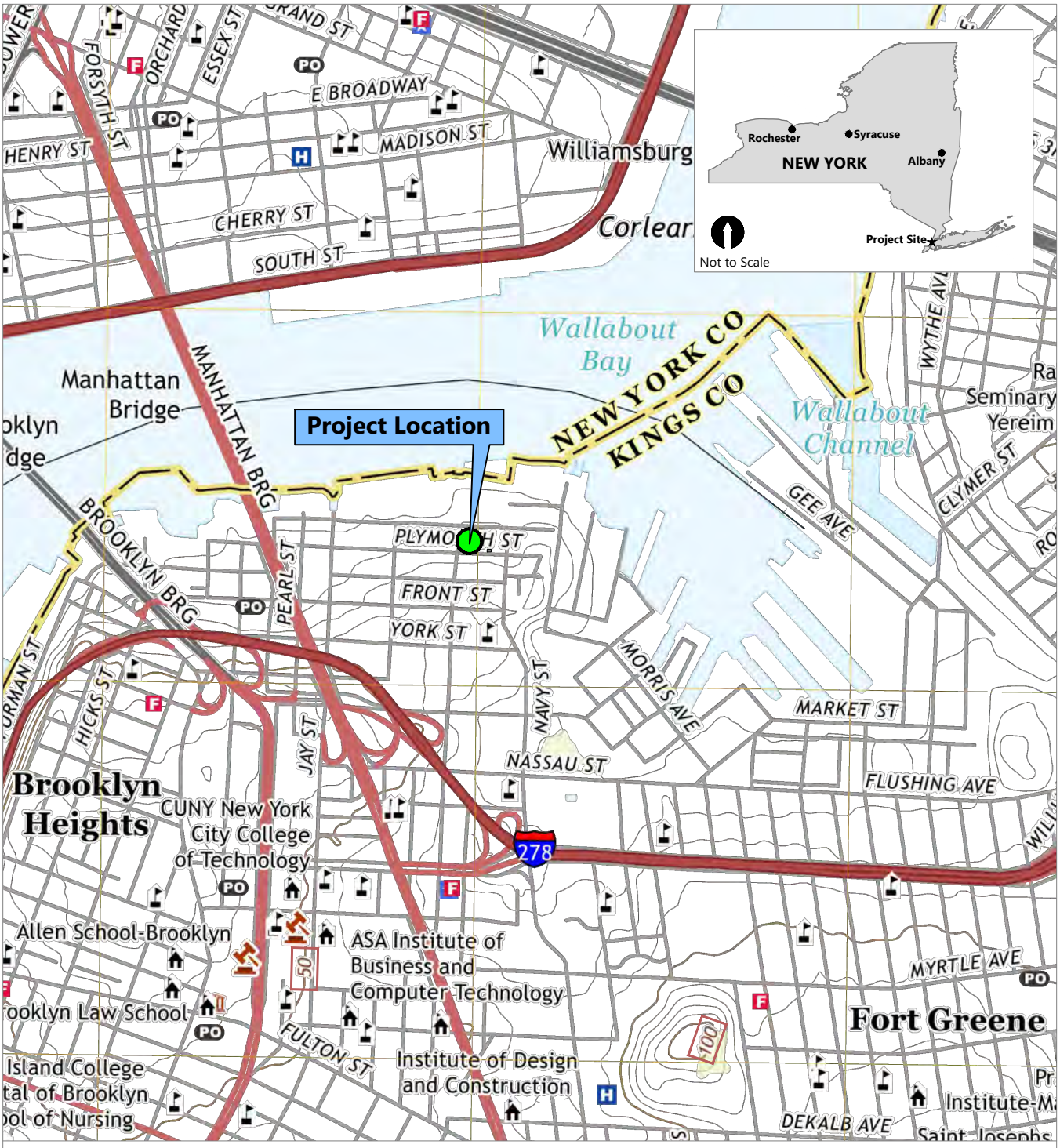
mg/L: milligram per liter

NYS TOGS: New York State Technical and Operational Guidance Series

U: Compound analyzed for, but not detected above detection limit

UJ: Compound analyzed for, but not detected above estimated detection limit

Figures



SOURCE: USGS Brooklyn Quadrangle, New York, 7.5 Minute Series, 2019
HORIZONTAL DATUM: New York State Plane, Long Island Zone, NAD83, U.S. Survey Feet
VERTICAL DATUM: North American Vertical Datum of 1988 (NGVD88)

LEGEND:

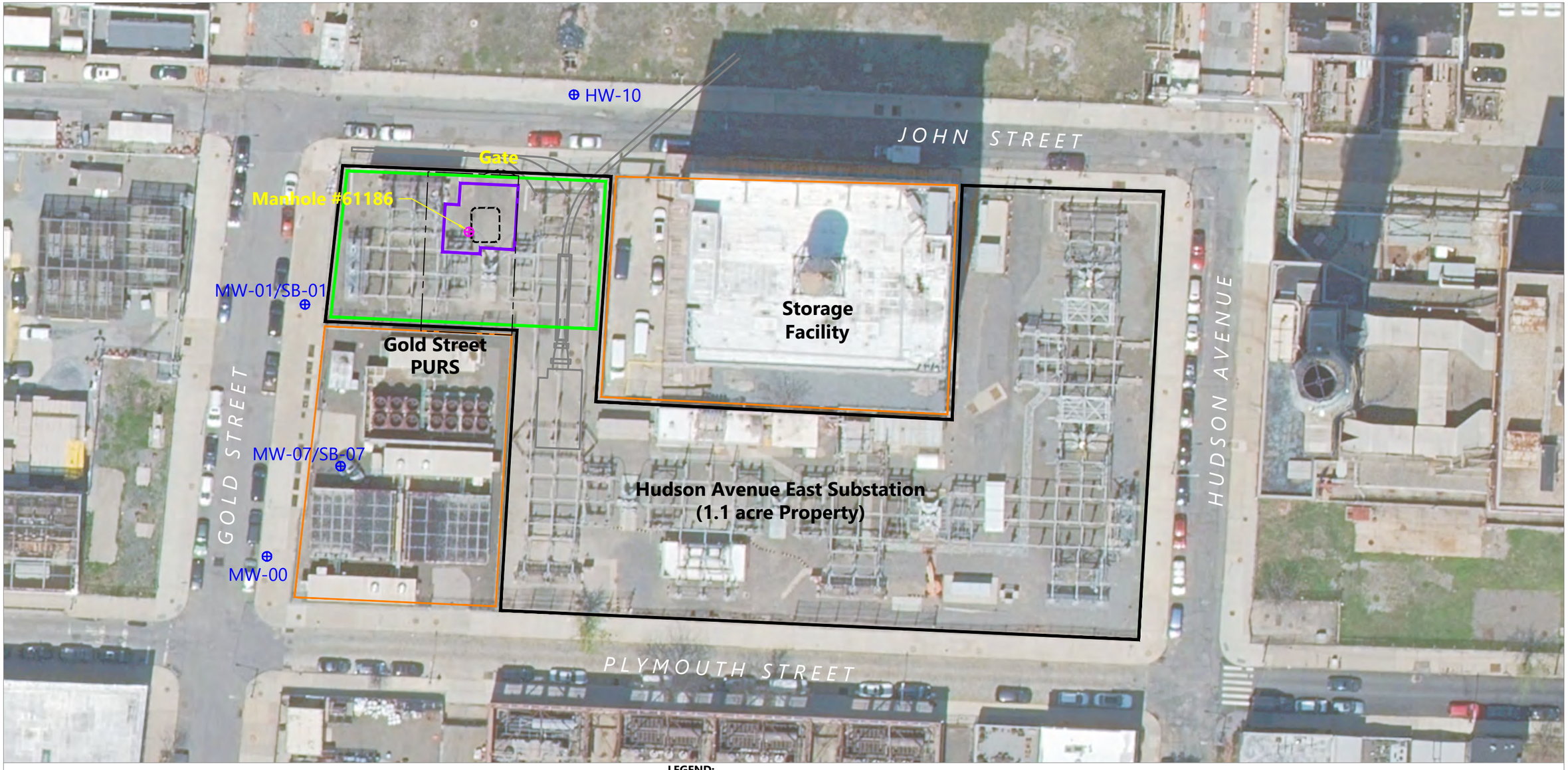
100 Existing Contours (10-Foot Interval)

0 .25 .5
Miles

Publish Date: 2023/04/06 9:01 AM | User: psciaba
Filepath: K:\Projects\0921-Con_Edison\194 John Street\0921-RP-025 Site Location Map.dwg Figure 1-1

ANCHOR QEA

Figure 1-1
Site location Map
Site Characterization Report
164 John Street (NYSDEC Site No. 224339)



SOURCE: Subsurface utility locations from Con Edison sketch "Plan of Feeders 38B21, 38B22, and Relocated Feeder 32078", dated July 7, 2021. Aerial by Bing Imagery 2021.
HORIZONTAL DATUM: New York State Plane, Long Island Zone, NAD83, U.S. Survey Feet
VERTICAL DATUM: North American Vertical Datum of 1988 (NGVD88)

NOTE: Substructure utilities locations are approximate, contractor to field verify.

LEGEND:

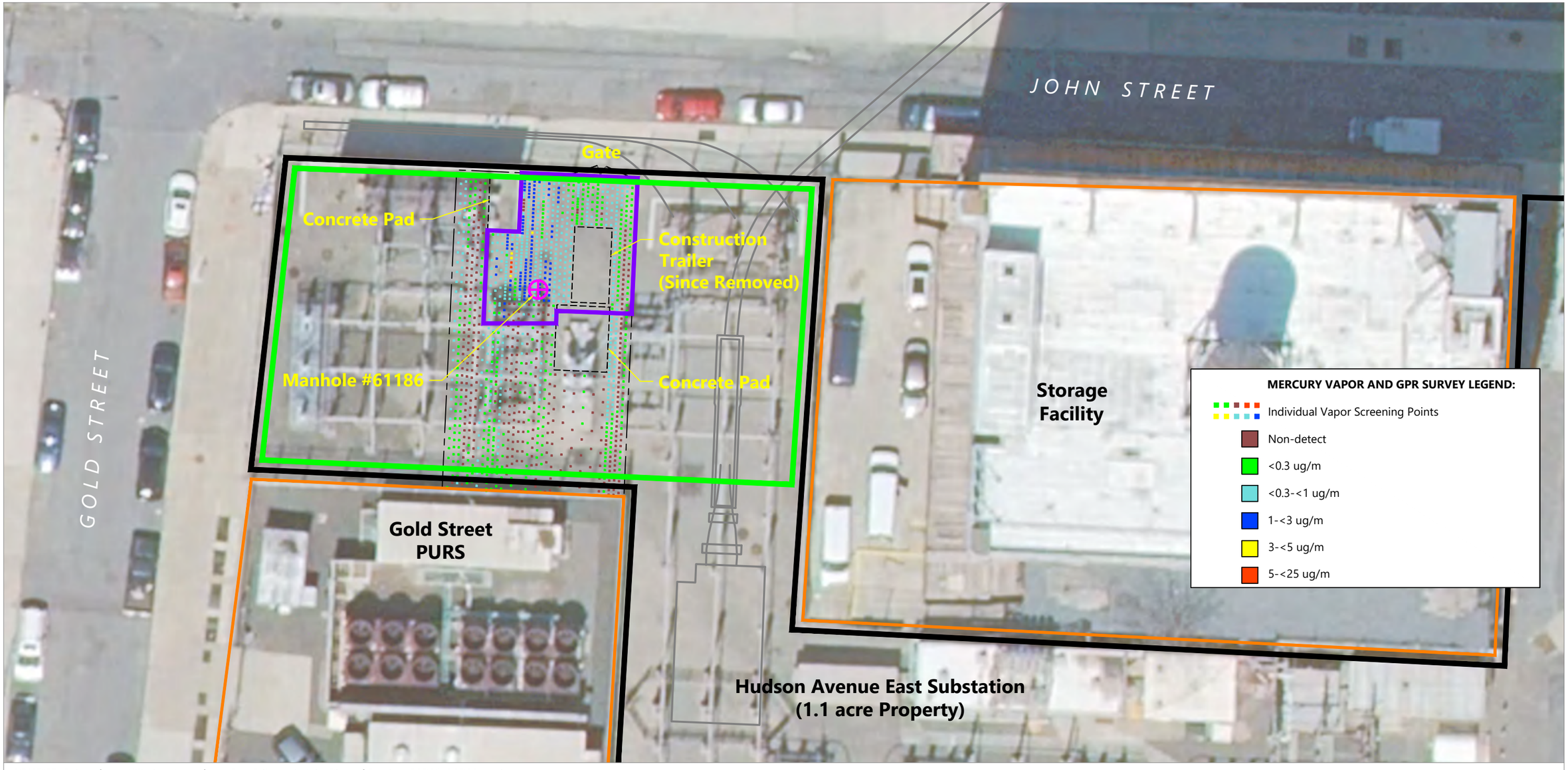
- Existing Groundwater Monitoring Well (Installed by Others)
- Manhole #61866
- Area of Concern (~760 sq ft)
- Mercury Vapor and GPR Survey Area
- Site (~0.2 acre)
- Property (~1.1 acre)
- Mercury Discovery Area
- Feeders

0 40
Feet

Publish Date: 2023/04/07 9:07 AM | User: psciaba
Filepath: K:\Projects\0921-Con_Edison\194 John Street\0921-RP-029 Site Plan - Rev7.dwg Figure 1-2

ANCHOR QEA

Figure 1-2
Site Plan and Area of Concern
Site Characterization Report
164 John Street (NYSDEC Site No. 224339)



SOURCE: Subsurface utility locations from Con Edison sketch "Plan of Feeders 38B21, 38B22, and Relocated Feeder 32078", dated July 7, 2021. Aerial by Bing Imagery 2021.
HORIZONTAL DATUM: New York State Plane, Long Island Zone, NAD83, U.S. Survey Feet
VERTICAL DATUM: North American Vertical Datum of 1988 (NGVD88)
NOTES:
1. Substructure utilities locations are approximate, contractor to field verify.
2. Investigation locations may be modified based on subsurface conditions encountered, site access or the presence of above grade obstacles, overhead subsurface utilities, or subsurface obstructions.

GENERAL LEGEND:

- Manhole 361866
- Mercury Vapor and GPR Survey Area
- Area of Concern (~760 sq ft)
- Site (~0.2 acre)
- Property (~1.1 acre)
- Feeders

0 20
Feet

Publish Date: 2023/04/20 2:44 PM | User: jfoster
Filepath: K:\Projects\0921-Con_Edison\194 John Street\0921-RP-027 Investigation Area - Rev7.dwg Figure 2-1

ANCHOR QEA

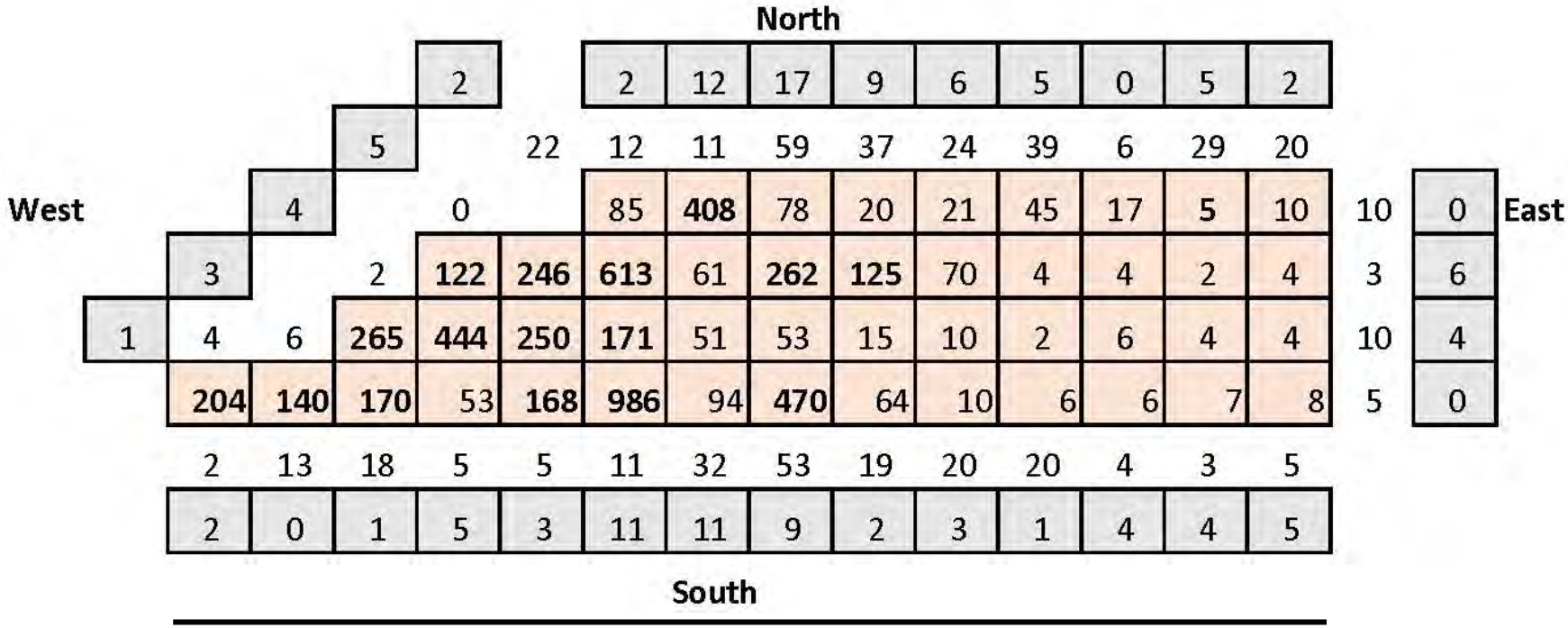
Figure 2-1
MVA Survey Area
Site Characterization Report
164 John Street (NYSDEC Site No. 224339)



Note: View is towards the East (Storage Building).

ANCHOR QEA

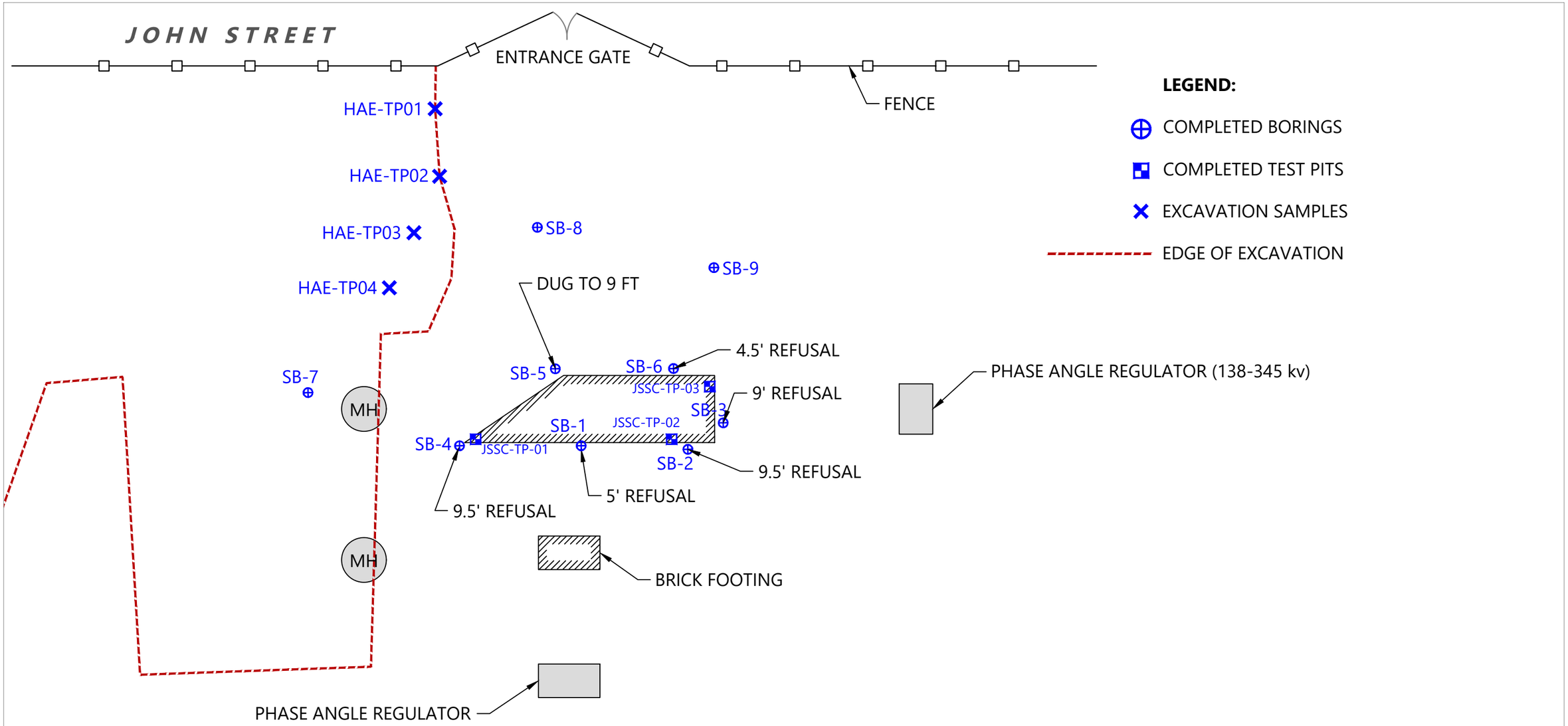
Figure 2-2
Exposed Subsurface Structure
Site Characterization Report
164 John Street (NYSDEC Site No. 224339)



Notes:
Mercury vapor survey results shown in µg/m^3.
Subsurface structure is approximately 14 feet in length at its longest point. Each square shown represents approximately 1 square foot.
Orange square measurements made on top of subsurface structure; gray square measurements made on side of structure.

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Figure 2-3
MVA Survey of Structure – Upper Surface
Site Characterization Report
164 John Street (NYSDEC Site No. 224339)



HORIZONTAL DATUM: New York State Plane, Long Island Zone, NAD83, U.S. Survey Feet
VERTICAL DATUM: North American Vertical Datum of 1988 (NGVD88)

NOTE: Locations shown are based on field measurements and are approximate.

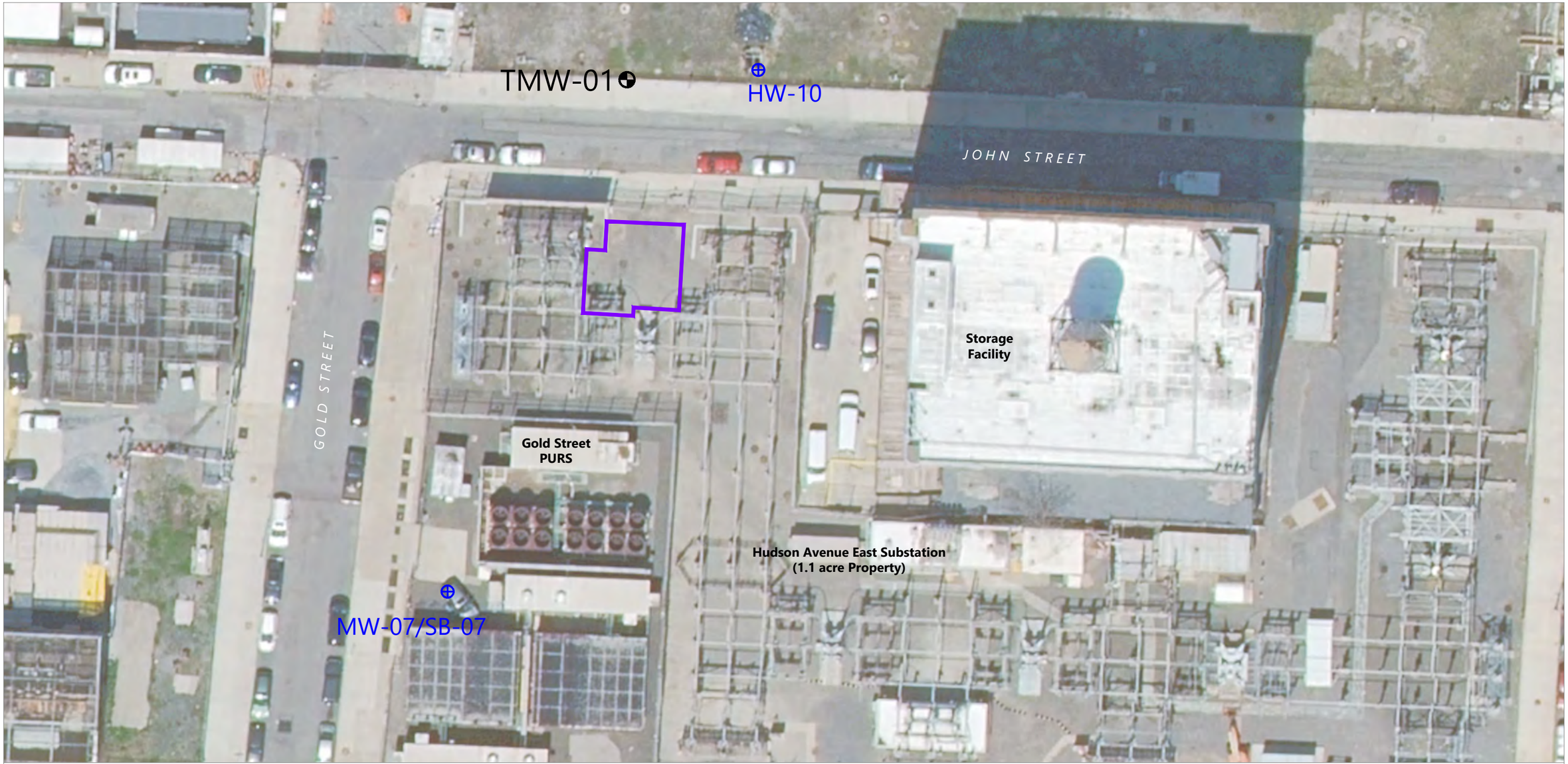
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Publish Date: 2023/04/20 2:44 PM | User: jfoster
Filepath: K:\Projects\0921-Con_Edison\194 John Street\0921-RP-041 Gate Structure Schematic - Rev2.dwg Figure 2-4

ANCHOR QEA

Figure 2-4
Subsurface Soil Investigation Locations

Site Characterization Report
164 John Street (NYSDEC Site No. 224339)



SOURCE: Subsurface utility locations from Con Edison sketch "Plan of Feeders 38B21, 38B22, and Relocated Feeder 32078", dated July 7, 2021. Aerial by Bing Imagery 2021.
HORIZONTAL DATUM: New York State Plane, Long Island Zone, NAD83, U.S. Survey Feet
VERTICAL DATUM: North American Vertical Datum of 1988 (NGVD88)

NOTES:
1. Investigation locations may be modified based on subsurface conditions encountered, site access or the presence of above grade obstacles, overhead subsurface utilities, or subsurface obstructions. Box along sidewalk North of John Street designates target area.

LEGEND:

- Historic Monitoring Wells
- Area of Concern (~760 sq ft)
- Temporary Groundwater Monitoring Wells

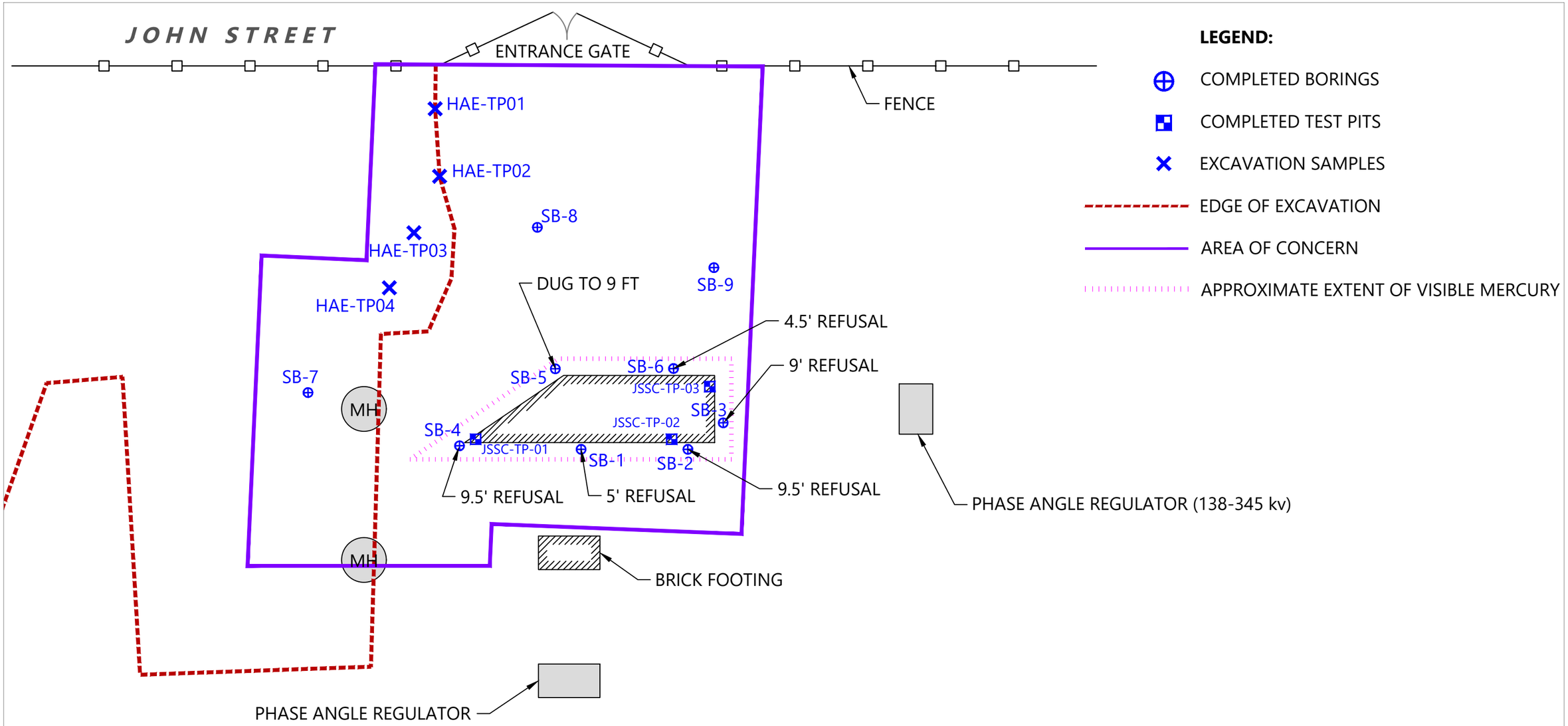
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Filepath: K:\Projects\0921-Con_Edison\194 John Street\0921-RP-042 Temporary Monitoring Well Location - TMW-01 - Rev1.dwg Figure 2-5

ANCHOR QEA

Figure 2-5
Groundwater Investigation Locations

Site Characterization Report
164 John Street (NYSDEC Site No. 224339)



HORIZONTAL DATUM: New York State Plane, Long Island Zone, NAD83, U.S. Survey Feet
VERTICAL DATUM: North American Vertical Datum of 1988 (NGVD88)

NOTE: Locations shown are based on field measurements and are approximate.

0 5
Feet

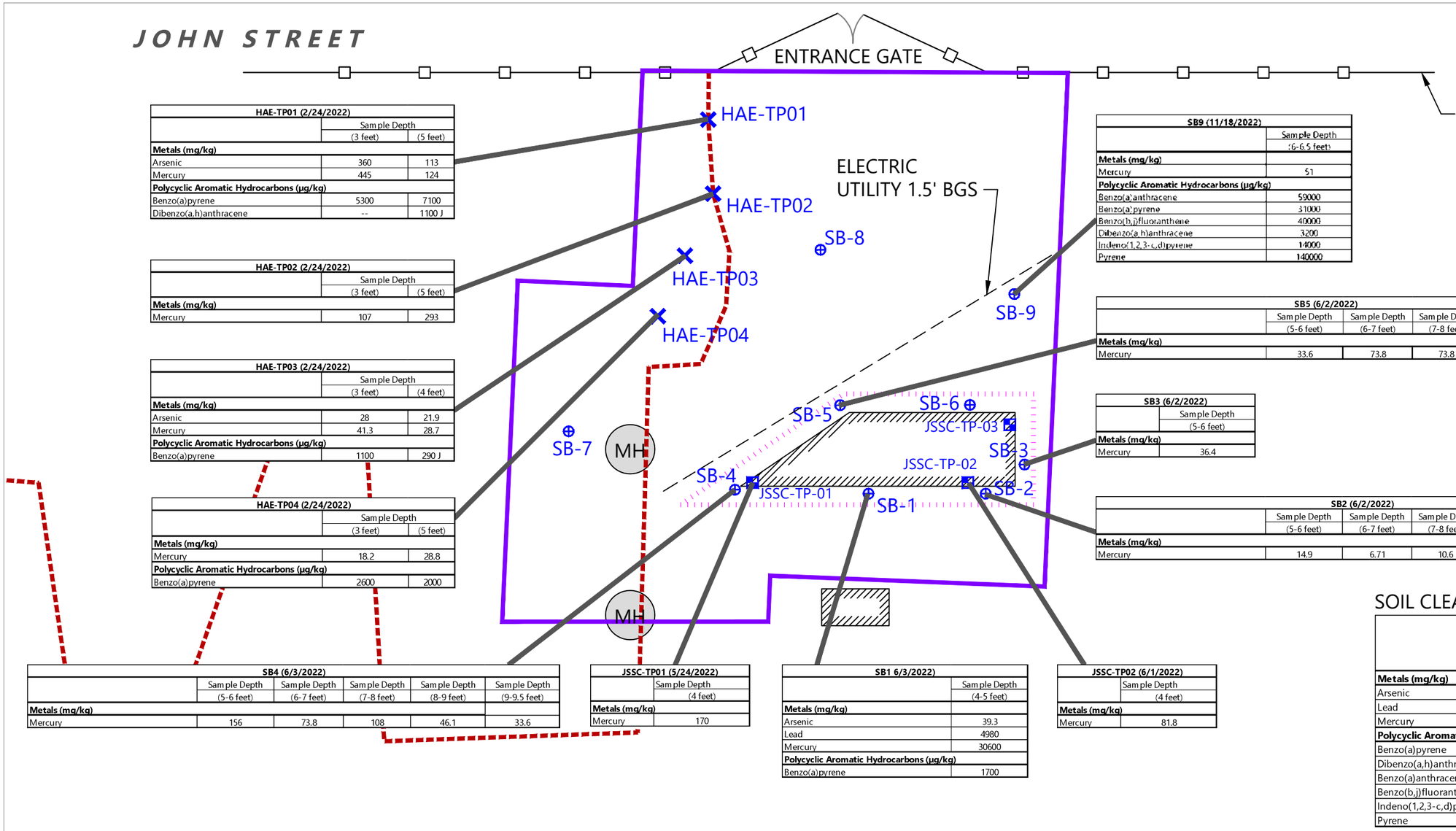
Publish Date: 2023/04/20 2:44 PM | User: jfoster
Filepath: K:\Projects\0921-Con_Edison\194 John Street\0921-RP-043 Extent of Mercury Impacted Subsurfaces and Soils.dwg Figure 4-1

ANCHOR QEA

Figure 4-1
Extent of Visible Mercury

Site Characterization Report
164 John Street (NYSDEC Site No. 224339)

DRAFT



HAE-TP01 (2/24/2022)	Sample Depth	
	(3 feet)	(5 feet)
Metals (mg/kg)		
Arsenic	360	113
Mercury	445	124
Polycyclic Aromatic Hydrocarbons (µg/kg)		
Benzo(a)pyrene	5300	7100
Dibenzo(a,h)anthracene	--	1100 J

HAE-TP02 (2/24/2022)	Sample Depth	
	(3 feet)	(5 feet)
Metals (mg/kg)		
Mercury	107	293

HAE-TP03 (2/24/2022)	Sample Depth	
	(3 feet)	(4 feet)
Metals (mg/kg)		
Arsenic	28	21.9
Mercury	41.3	28.7
Polycyclic Aromatic Hydrocarbons (µg/kg)		
Benzo(a)pyrene	1100	290 J

HAE-TP04 (2/24/2022)	Sample Depth	
	(3 feet)	(5 feet)
Metals (mg/kg)		
Mercury	18.2	28.8
Polycyclic Aromatic Hydrocarbons (µg/kg)		
Benzo(a)pyrene	2600	2000

SB9 (11/18/2022)	Sample Depth
	(6-6.5 feet)
Metals (mg/kg)	
Mercury	51
Polycyclic Aromatic Hydrocarbons (µg/kg)	
Benzo(a)anthracene	59000
Benzo(a)pyrene	31000
Benzo(b,j)fluoranthene	40000
Dibenzo(a,h)anthracene	3200
Indeno(1,2,3-c,d)pyrene	14000
Pyrene	140000

SB5 (6/2/2022)	Sample Depth	Sample Depth	Sample Depth	Sample Depth
	(5-6 feet)	(6-7 feet)	(7-8 feet)	(8-9 feet)
Metals (mg/kg)				
Mercury	33.6	73.8	73.8	41.1

SB3 (6/2/2022)	Sample Depth
	(5-6 feet)
Metals (mg/kg)	
Mercury	36.4

SB2 (6/2/2022)	Sample Depth	Sample Depth	Sample Depth	Sample Depth	Sample Depth
	(5-6 feet)	(6-7 feet)	(7-8 feet)	(8-9 feet)	(9-10 feet)
Metals (mg/kg)					
Mercury	14.9	6.71	10.6	6.77	7.88

SB4 (6/3/2022)	Sample Depth	Sample Depth	Sample Depth	Sample Depth	Sample Depth
	(5-6 feet)	(6-7 feet)	(7-8 feet)	(8-9 feet)	(9-9.5 feet)
Metals (mg/kg)					
Mercury	156	73.8	108	46.1	33.6

JSSC-TP01 (5/24/2022)	Sample Depth
	(4 feet)
Metals (mg/kg)	
Mercury	170

SB1 6/3/2022)	Sample Depth
	(4-5 feet)
Metals (mg/kg)	
Arsenic	39.3
Lead	4980
Mercury	30600
Polycyclic Aromatic Hydrocarbons (µg/kg)	
Benzo(a)pyrene	1700

JSSC-TP02 (6/1/2022)	Sample Depth
	(4 feet)
Metals (mg/kg)	
Mercury	81.8

SOIL CLEANUP OBJECTIVES:

Chemical	Protection of Public Health - Part 375 - Industrial SCOs
Metals (mg/kg)	
Arsenic	16.0
Lead	3,900.0
Mercury	5.7
Polycyclic Aromatic Hydrocarbons (µg/kg)	
Benzo(a)pyrene	1,100.0
Dibenzo(a,h)anthracene	1,100.0
Benzo(a)anthracene	11,000.0
Benzo(b,j)fluoranthene	11,000.0
Indeno(1,2,3-c,d)pyrene	11,000.0
Pyrene	100,000.0

HORIZONTAL DATUM: New York State Plane, Long Island Zone, NAD83, U.S. Survey Feet
VERTICAL DATUM: North American Vertical Datum of 1988 (NGVD88)

NOTE: Locations shown are based on field measurements and are approximate.

Example Sample Tag:
Sample ID (Sample Date)

LEGEND:

- COMPLETED BORINGS
- COMPLETED TEST PITS
- EXCAVATION SAMPLES
- EDGE OF EXCAVATION
- AREA OF CONCERN
- APPROXIMATE EXTENT OF VISIBLE MERCURY
- SUBSURFACE STRUCTURE

0 5
Feet

Publish Date: 2023/08/31 9:37 AM | User: psciaba
Filepath: K:\Projects\0921-Con_Edison\194 John Street\0921-RP-048 Extent of Mercury Impacted Subsurfaces and Soils - Tag Map - Rev1.dwg Figure 1

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Figure 4-2
Soil Analytical Results Exceeding Part 375 Industrial Soil Cleanup Objectives

Site Characterization Report
164 John Street (NYSDEC Site No. 224339)

Appendix A
Historical Site Mapping



Source : Plan of the village of Brooklyn and part of Long Island 1766; [1864], Map Collection, B A-1776 (1864).Fl; Brooklyn Historical Society.an of the village of Brooklyn and part of Long Island 1766; [1864], Map Collection, B A-1776 (1864).Fl; Brooklyn Historical Society. https://mapcollections.brooklynhistory.org/map/plan-of-the-village-of-brooklyn-and-part-of-long-island-1766/. Accessed August 22, 2021.

★ = Approximate Site location

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Source : Brooklyn Historical Society. A New Accurate Plan of the City of New York in the State of New York in North America.; [1864], Map Collection, B A-1776 (1864).FI; Brooklyn Historical Society. https://mapcollections.brooklynhistory.org/map/a-new-accurate-plan-of-the-city-of-new-york-in-the-state-of-new-york-in-north-america-published-in-1797/ . Accessed August 22, 2021.

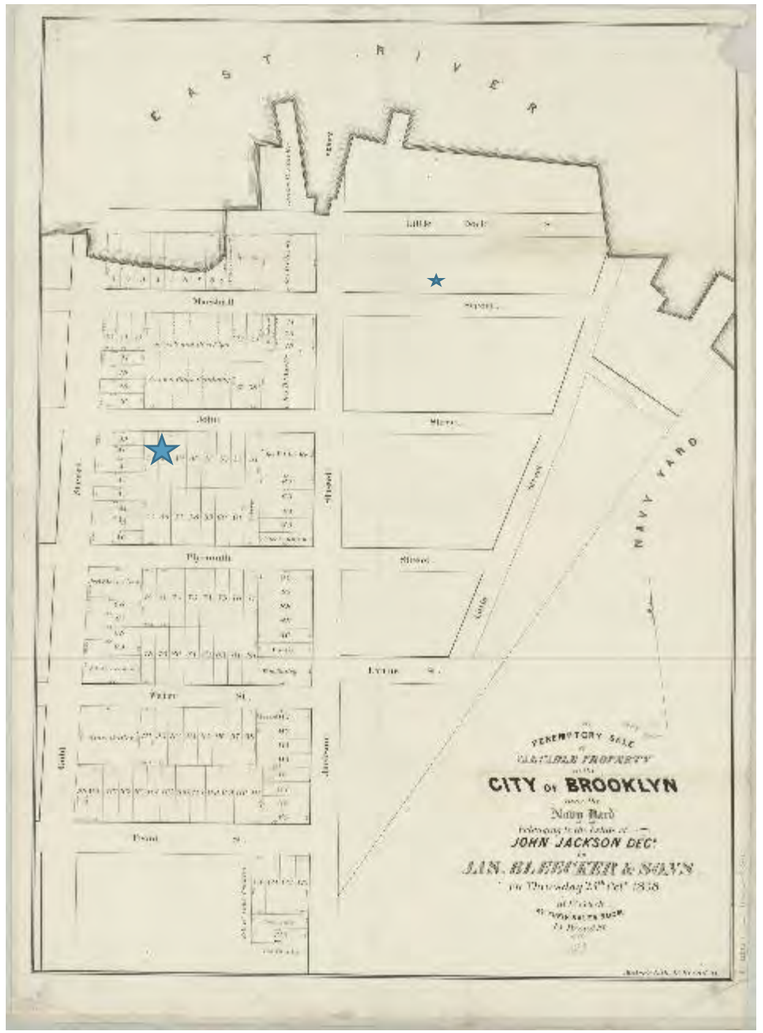
★ = Approximate Site location

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Source: New York Public Library. *Original High and Low Grounds, Salt Marsh and Shorelands in the City of Brooklyn from Original Government Surveys made in 1776-7.*Dated 1876. https://mapcollections.brooklynhistory.org/map/map-showing-the-original-high-and-low-grounds-salt-marsh-and-shore-lines-in-the-city-of-brooklyn-from-original-government-surveys-made-in-1776-7/. Accessed August 22, 2021.

★ = Approximate Site location



Source: Brooklyn Historical Society. *Peremptory sale of valuable property in the city of Brooklyn near the Navy Yard belonging to the estate of John Jackson, decd., by Jas. Bleecker & Sons on Thursday, 25th Octr., 1838, at 12 o'clock at their sales room, 13 Broad St.* https://bobcat.library.nyu.edu/primo-explore/fulldisplay?docid=nyu_aleph003396341&context=L&vid=BHS&lang=en_US&tab=bhs. Accessed August 22, 2021.

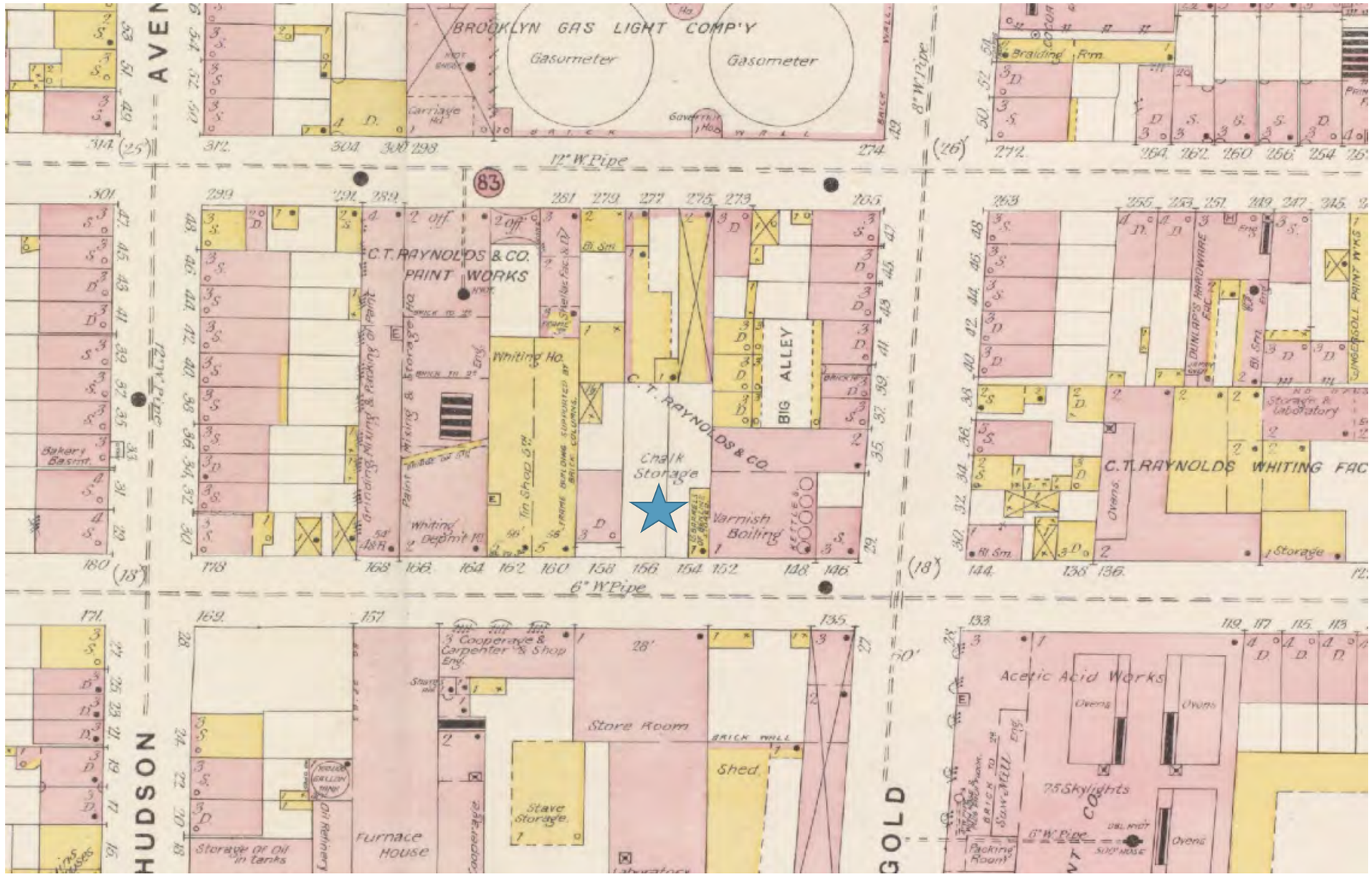
★ = Approximate Site location



Source Lionel Pincus and Princess Firyal Map Division, The New York Public Library. (1855). *Plate 3: Map bounded by East River, Brooklyn Navy Yard, York Street, Bridge Street* Retrieved from https://digitalcollections.nypl.org/items/510d47e0-c000-a3d9-e040-e00a18064a99

★ = Approximate Site location

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Source Lionel Pincus and Princess Firyal Map Division, The New York Public Library. "Brooklyn V. 2, Double Page Plate No. 35 [Map bounded by Water St., Bridge St., East River, Little St.]" New York Public Library Digital Collections. Accessed August 28, 2021. https://digitalcollections.nypl.org/items/7ac9917a-0365-0aeb-e040-e00a18063919

★ = Approximate Site location

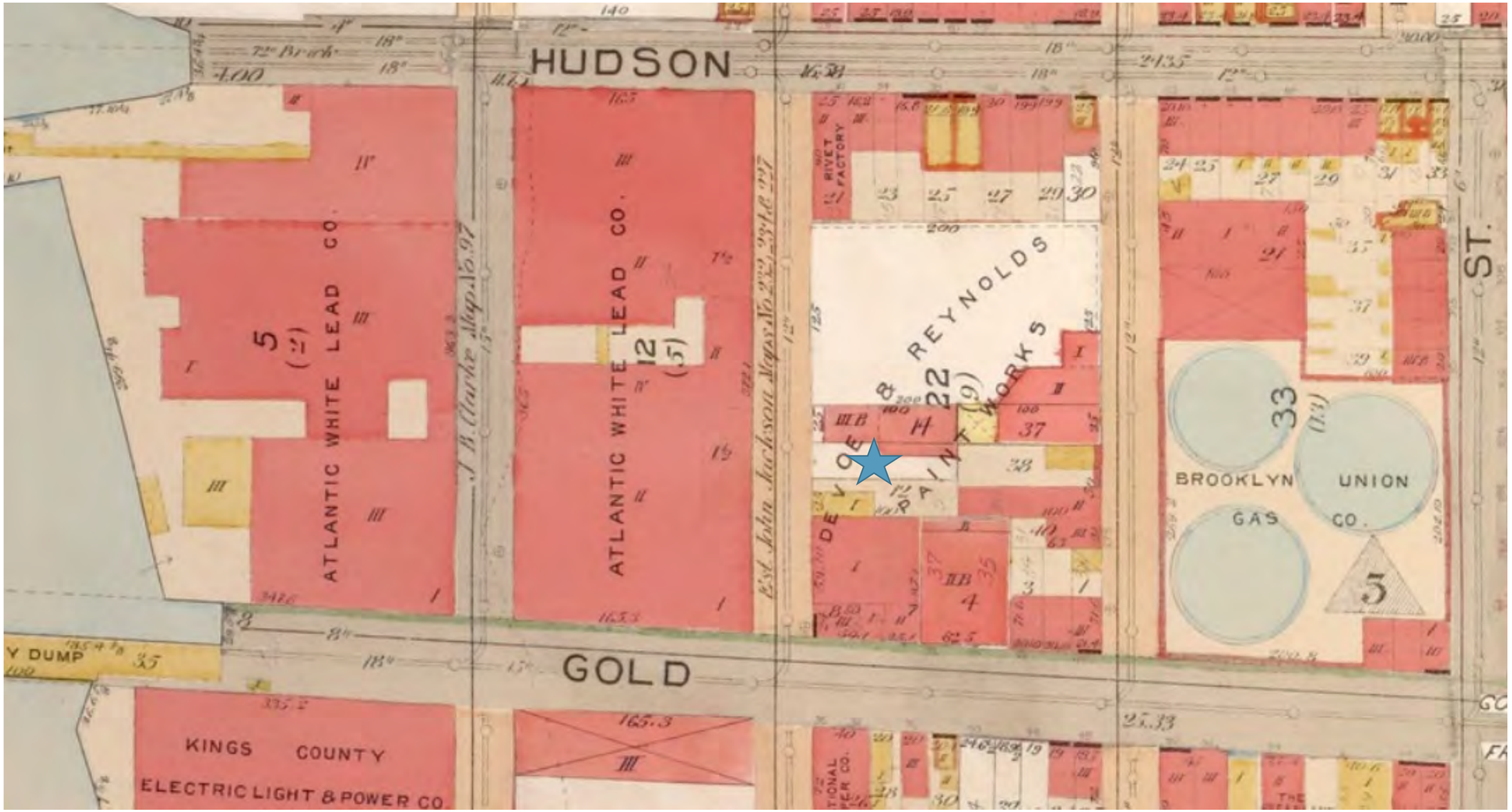
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Source: US Geographical Survey National Geospatial Program – Historical Topographical Maps – Preserving the Past. file:///C:/Users/mcarrillo-sheridan/Downloads/NY_Brooklyn_8033200_1889_62500_geo.pdf. Accessed September 15, 2021.

= Approximate Site location

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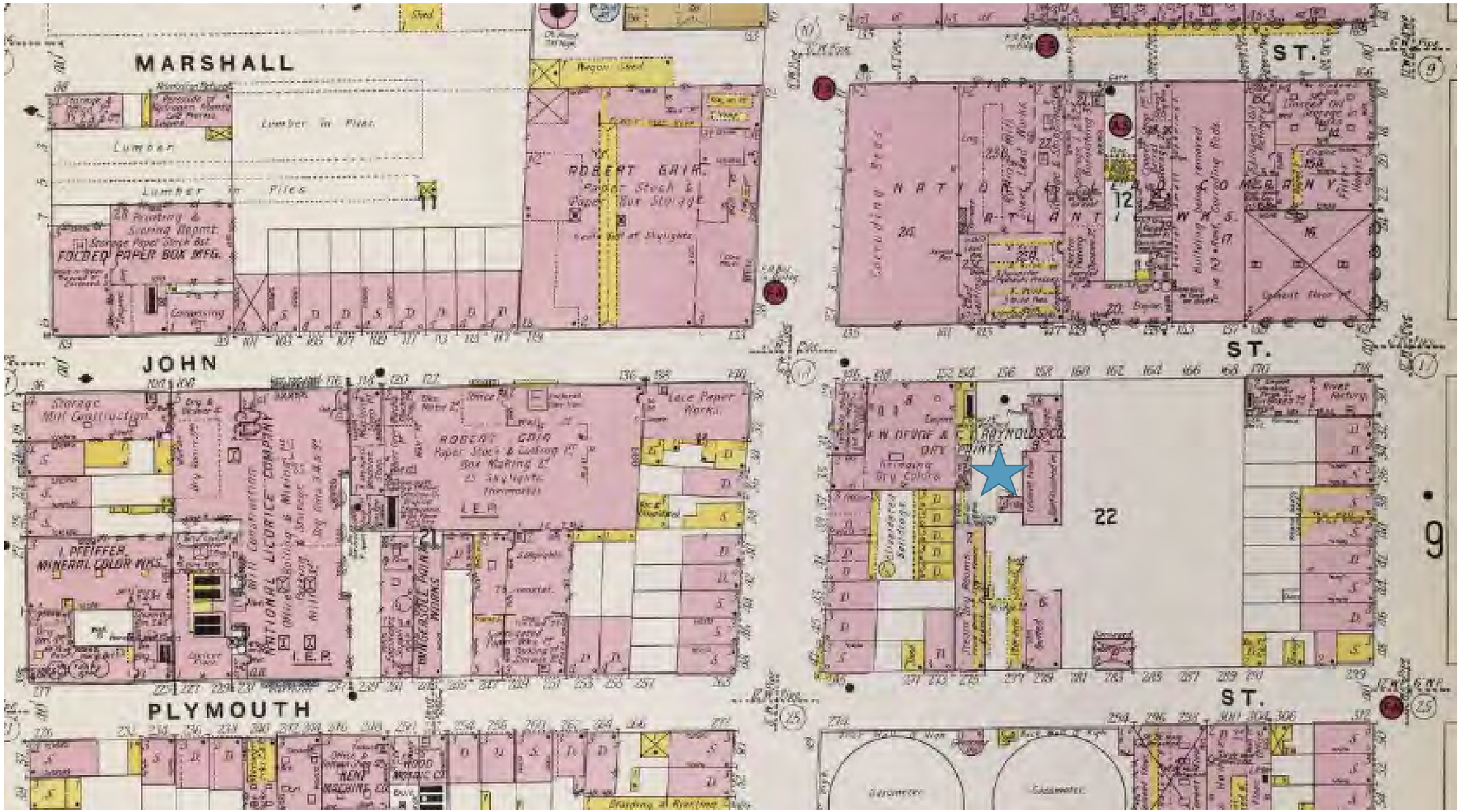
Lionel Pincus and Princess Firyal Map Division, The New York Public Library. "Brooklyn, Vol. 1, Double Page Plate No. 2; Part of Wards 2 & 5, Section 1; [Map bounded by Little St., Evans St., Hudson Ave., Navy St.; Including Concord St., Jay St., Marshall St.]" New York Public Library Digital Collections. Accessed August 28, 2021. https://digitalcollections.nypl.org/items/64b4acd6-f0f6-4e40-e040-e00a18063442

★ = Approximate Site location

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Exhibit A-7
1903–1907 City Atlas Map by E.B. Hyde
Site Characterization Report
164 John Street (NYSDEC Site No. 224339)



Source: *Sanborn Fire Insurance Map from Brooklyn, Kings County, New York*. Sanborn Map Company, to 1908 Vol. 2, 1904. Map. https://www.loc.gov/item/sanborn05791_014/.

★ = Approximate Site location

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ANCHOR QEA

Exhibit A-8
1904 Sanborn Map
Site Characterization Report
164 John Street (NYSDEC Site No. 224339)



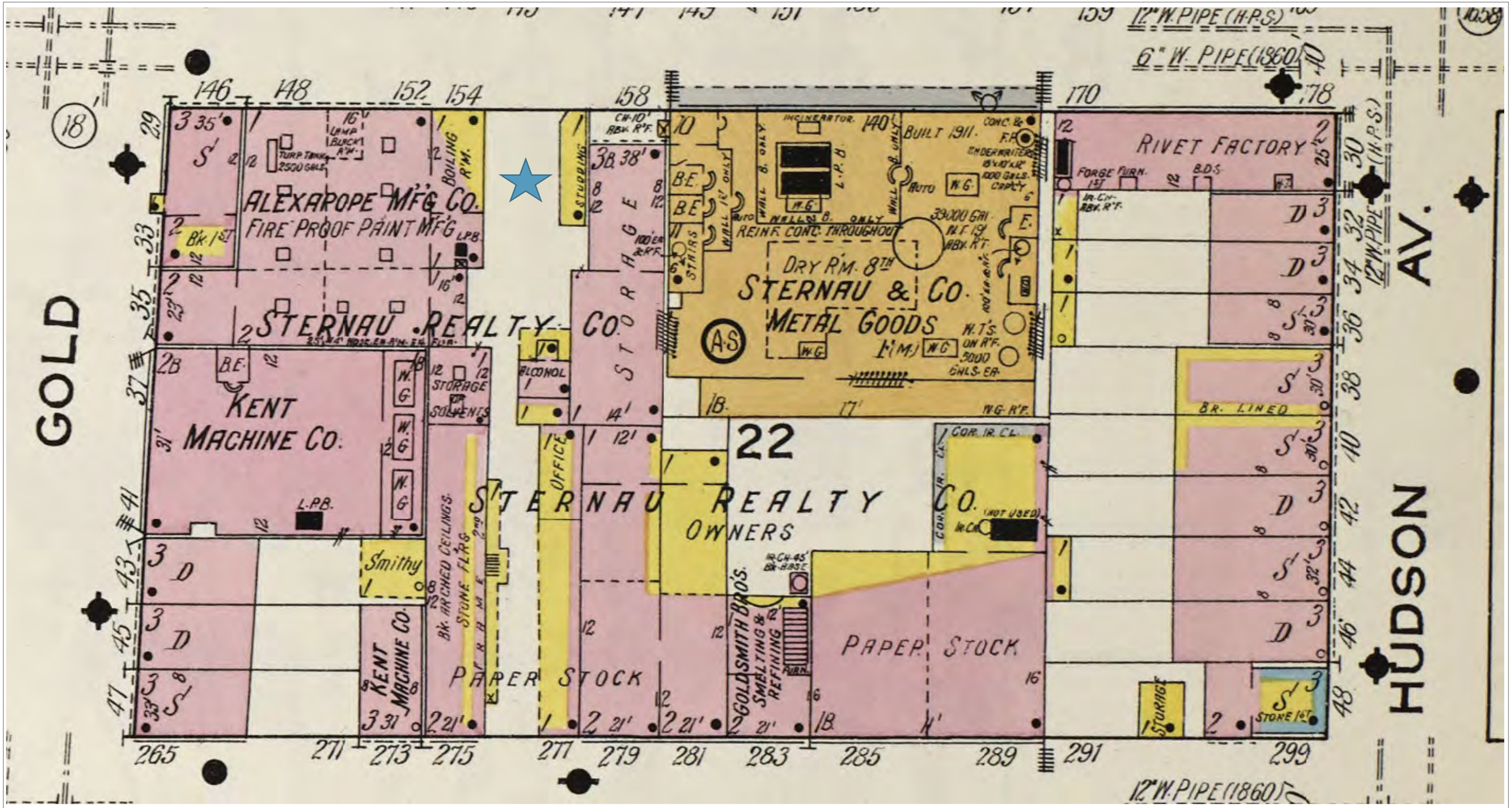
Source: Lionel Pincus and Princess Firyal Map Division, The New York Public Library. "Brooklyn, Vol. 1, Double Page Plate No. 1; Part of Wards 1, 2, 4 & 5, Section 1; [Map bounded by East River, Gold St., Hudson Ave., Little St.; Including Navy St., Johnson St., Pierrepont St.]; Sub Plan No. 1; [Map bounded by Hudson Ave., East River, U.S. Navy Yard; Including Little St., Marshall St.]" New York Public Library Digital Collections. Accessed August 28, 2021. https://digitalcollections.nypl.org/items/6c05633e-3bde-b9cf-e040-e00a18063bc7

★ = Approximate Site location

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ANCHOR QEA

Exhibit A-9
1916 City Atlas Map by E.B. Hyde
Site Characterization Report
164 John Street (NYSDEC Site No. 224339)



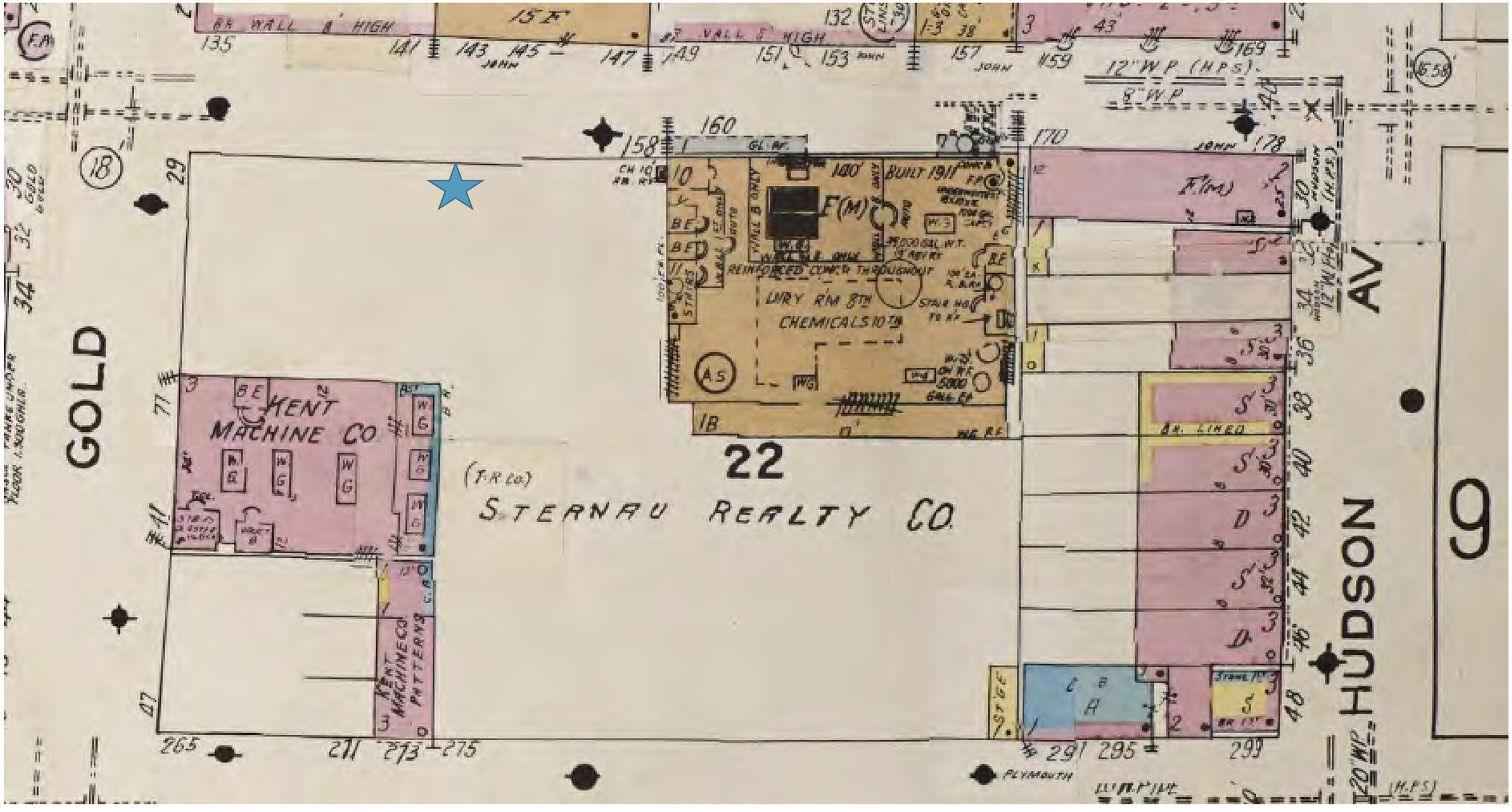
Source: *Sanborn Fire Insurance Map from Brooklyn, Kings County, New York*. Sanborn Map Company, to 1933 Vol. 2, 1915. Map. https://www.loc.gov/item/sanborn05791_033/.

= Approximate Site location

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ANCHOR QEA

Exhibit A-10
1933 Sanborn Map
Site Characterization Report
164 John Street (NYSDEC Site No. 224339)



Source: *Sanborn Fire Insurance Map from Brooklyn, Kings County, New York*. Sanborn Map Company, Vol. 2, - Nov 1950, 1950. Map. https://www.loc.gov/item/sanborn05791_060/.

= Approximate Site location

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Appendix B
Site Investigation Field Data

Field Forms and Notes

Daily Log

ANCHOR QEA

PROJECT NAME: John St. CONED **DATE:** 3/20/22

SITE ADDRESS: 164 John St. Brooklyn, NY **PERSONNEL:** SA, AB, MS

WEATHER: **WIND FROM:** N | (NE) | E | SE | S | SW | (W) | NW

(SUNNY) | CLOUDY | RAIN | ?

LIGHT | (MEDIUM) | HEAVY

TEMPERATURE: (°F) 56. °C [Circle appropriate units]

TIME	COMMENTS					
See notes on bottom of page for detailed logging						
Equipment on site:	Work Area Perimeter Data (mg/m³)					
930	0	(In hole readings)				(In hole readings)
945	0	(2)		1400	0	(32)
1000	0	(13)	1st	1415	0	(45) corner
1015	0	(16)		1430	0	
1030	0					
1045	0	(8)				
1100	0	(11)				
1115	0	(1)	2nd			
1130	0	(1)				
1145	0	(50) (New location)				
1200	0	(12)				
1215	0	(45)				
1220	0	(174)				
1230	0					
1235	0	(131)				
1245	0	(171)				
1300	0	(128)				
1302	[shallow] (21)					
1311	[bottom sediment] (228)					
1315	0					
1320	after Mercank (71)					
1330	0	(50)	T			
1345	0	(122)				
Samples delivered to laboratory:						

Notes: Work performed, Phone calls made, Problems Issues/Resolutions, Visitors on site, Deviations from the Workplan Safety infractions, Important comments/instructions to contractors

Signature: _____

Daily Log

ANCHOR QEA

PROJECT NAME: CON ED John St **DATE:** 3/20/22

SITE ADDRESS: 164 John St. **PERSONNEL:**

WEATHER: Partly Sunny **WIND FROM:** N | NE | E | SE | S | SW | W | NW

SUNNY | CLOUDY | RAIN | ?

LIGHT | MEDIUM | HEAVY

TEMPERATURE: °F . °C [Circle appropriate units]

TIME	COMMENTS

See notes on bottom of page for detailed logging

Equipment on site:	Upwind		Volatils	Downwind 1		PID	Down 2		Community
	Dust	Mercury		Dust	Mercury	Volatils	Dust	Volatils	Mercury
0930	0.002	0.7	0.0	0.003	0.7	0.0	0.005	0.0	0.0
1000	0.004	0.7	0.0	0.004	0.7	0.0	0.005	0.0	0.1
1015	0.004	0.7	0.0	0.003	0.6	0.0	0.004	0.0	0.1
1030	0.001	0.7	0.0	0.003	0.8	0.0	0.004	0.0	0.2
1100	0.003	0.7	0.0	0.002	0.5	0.0	0.003	0.1	0.3
1115	0.003	0.7	0.0	0.002	0.6	0.0	0.003	0.1	0.3
1130	0.006	0.6	0.0	0.001	0.6	0.0	0.002	0.1	0.3
1145	0.005	0.6	0.0	0.002	0.6	0.0	0.003	0.1	0.2
1200	0.005	0.3	0.0	0.001	0.5	0.0	0.004	0.1	0.3
1215	0.007	0.6	0.0	0.002	0.6	0.0	0.004	0.1	0.2
1230	0.006	0.6	0.0	0.001	0.5	0.0	0.002	0.1	0.3
1245	0.015	0.5	0.0	0.004	0.5	0.0	0.006	0.1	0.3
1:00	0.021	0.6	0.0	0.004	0.6	0.0	0.006	0.1	0.3
1:30	0.008	0.6	0.0	0.003	0.6	0.0	0.005	0.1	0.3
1:45	0.006	0.6	0.0	0.003	0.6	0.0	0.004	0.1	0.3
2:00	0.007	0.6	0.0	0.004	0.6	0.0	0.005	0.1	0.3
2:15	0.008	0.6	0.0	0.004	0.7	0.0	0.005	0.1	0.3
2:30	0.004	0.6	0.0	0.002	0.7	0.0	0.004	0.1	0.2
	mg/m³	ug/m³	ppm						

Samples delivered to laboratory:

Notes: Work performed, Phone calls made, Problems Issues/Resolutions, Visitors on site, Deviations from the Workplan Safety infractions, Important comments/instructions to contractors

Signature: _____

Daily Log

ANCHOR QEA

PROJECT NAME: John Street Con Ed **DATE:** 3/26/22

SITE ADDRESS: 164 John Street Brooklyn NY **PERSONNEL:** L. Jeffs, M. Segulic, S. Andrews

WEATHER: **WIND FROM:** N | NE | E | SE | S | SW | W | NW

SUNNY | CLOUDY | RAIN | ?

LIGHT | MEDIUM | HEAVY

TEMPERATURE: °F, 50 . °C

[Circle appropriate units]

See notes on bottom of page for detailed logging

Equipment on site: Work Area Perimeter Data (mg/m³) micrograms/m³

TIME	COMMENTS						
	B2 Perimeter	In-hole readings	depth		perimeter	in hole	depths
Start hauling 0930	0	0	2"				
0945	0	13	8"	1530	0	0	6"
0950	0	106	10"	1545	0	0	8"
1000	0	54	6"	1554	0	0	10"
1015	0	32	6"	1615	0	15	10"
1030	0	0	6"	thunderboat			
1045	0	24	6"	1645	0	63	4"
1100	0	350	6"	1700	0	80	8"
1115	0	54	2"	1715	0	82	8"
1130	0	38	3"	1720	0	68	8"
run to 1215	0	12	5"				
Lunch- Start @ 1230	0	14	6"				
1245	0	21	6"				
1300	0	46	6"				
1315	0	25	6"				
1330	0	34	3"				
break	~~0~~						
1400	0	6	2"				
1415	0	23	4"				
1430	0	12	8"				
1445	0	41	14"				
1459	0	54	16"				
1515	0	65	16"				

Samples delivered to laboratory:

Notes: Work performed, Phone calls made, Problems Issues/Resolutions, Visitors on site, Deviations from the Workplan Safety infractions, Important comments/instructions to contractors

Signature: _____

Daily Log

ANCHOR QEA

PROJECT NAME: 164 John st **DATE:** 3/26/22

SITE ADDRESS: **PERSONNEL:** Luke J. Scott A. Marks

WEATHER: **WIND FROM:** N | NE | E | SE | S | SW | W | NW | ? — SUNNY | CLOUDY | RAIN

LIGHT | MEDIUM | HEAVY

TEMPERATURE: °F . °C [Circle appropriate units]

TIME | **COMMENTS**

See notes on bottom of page for detailed logging

Equipment on site:	Upwind		Mobile 2	Downwind 1 ✱			Downwind 2		Community 257
	Dust	Volatiles	Mercury	Dust	Volatiles	Mercury	Dust	Volatiles	Mercury
0945	0.014	0.0	0.0	0.015	0.0	1.0	0.021	0.0	0.0
1000	0.019	0.0	0.2	0.013	0.0	1.0	0.019	0.0	0.3
1015	0.016	0.0	0.0	0.016	0.0	0.2	0.018	0.0	0.7
1030	0.017	0.0	0.1	0.020	0.0	0.6	0.016	0.0	0.7
1100	0.010	0.0	0.2	0.016	0.1	0.6	0.016	0.0	0.5
1115	0.010	0.0	0.1	0.017	0.1	0.9	0.015	0.0	0.6
1215	0.014	0.0	0.3	0.012	0.1	0.6	0.017	0.0	0.7
1230	0.011	0.0	0.4	0.011	0.1	0.7	0.016	0.0	0.7
1245	0.012	0.0	0.3	0.010	0.2	0.7	0.020	0.0	✱
1:00	0.014	0.0	0.2	0.015	0.1	0.6	0.012	0.0	0.6
1:15	0.011	0.0	0.2	0.007	0.1	0.6	0.013	0.1	0.6
1:30	0.011	0.0	0.0	0.008	0.1	0.5	0.011	0.1	0.6
2:00	0.010	0.0	0.1	0.008	0.1	0.4	0.012	0.0	0.6
2:45	0.009	0.0	0.2	0.011	0.1	0.5	0.015	0.0	0.6
3:15	0.009	0.0	0.3	0.007	0.1	0.4	0.002	0.0	0.5
3:30	0.009	0.0	0.3	0.009	0.1	0.4	0.013	0.0	0.5
4:15	0.013	0.0	0.3	0.013	0.1	0.4	0.017	0.0	0.6
4:30	0.010	0.0	0.2	0.011	0.1	0.4	0.009	0.0	0.6
4:45	0.008	0.0	0.3	0.007	0.1	0.5	0.011	0.0	0.4

Samples delivered to laboratory:

✱ Logger mode started @ 1:15pm

Notes: Work performed, Phone calls made, Problems Issues/Resolutions, Visitors on site, Deviations from the Workplan Safety infractions, Important comments/instructions to contractors

Signature: _____

5/17/22 63°F

Winds - WSW light

Sunny

7:30am - onsite w/ scott

8:00am - Safety meeting

8:45 - All UM's set up + running

" PID + Dust " "

8:50 - Crew started digging on South End

9:10 - winds now variable ~5 mph

~~A~~ Forgot laptop @ facility. All UM's will be downloaded at end of day. ~~A~~

10:05 Other crew has to dump gravel near dig site.

~~10~~ Break

1024 Sand dumped on work zone pushed have other Con Ed crew move it out of our way

1050 Back to work

11:45 Crew has been jackhammering right next to Community unit.

12:00 Digging Crew taking lunch

1:00 Wind 5-10 mph WSW (variable)

1326 Highest Aerome reading in South Line has been 0.004 mg/M

Time	Community	VM1	VM2
9:00am	-0.4	0.7	0.7
9:15	0.0	1.1	0.8
9:30	0.0	0.7	0.7
9:45	-0.3	0.7	0.0
10:0m	-0.4	0.7	0.6
10 K	0.0	0.7	0.5
10:30	0.3	0.7	0.5
1045	0.2	0.6	0.5
1100	0.2	0.5	0.5
11:15	0.1	0.5	0.4
1130		0.7	0.5
1145	-0.1	0.3	0.4
12:00pm	0.0	0.5	0.4
12:15			
12:30			
12:45			
1:00	0.1	0.6	0.2
1:15	0.3	0.3	0.2
1:30	0.2	0.2	0.1
1:45	0.1	0.3	0.0
2:00	0.3	0.4	0.1
2:15	0.4	0.5	0.1
2:30	0.3	0.4	0.1
2:45			
3:00			

5/18/22 Sunny 59°
Wind - WSW ~10mph

7:15 – On site w/ Scott

7:30 – Safety meeting (Cont'd Safety inspector here)

7:45 – Begin set up. Scott downloaded data from Dust Meters to 45B Drive (Yesterdays Data)

8:00 All set up, cleared, Logging.
VM1 – East side of perimeter
VM2 – West side of perimeter
Comm Corner of Plymouth & Hudson

9:00sm Crew Jackhammering near community set up again.

9:55sm – Measurement from South manhole cover to edge of Brick wall is 115" (9.6')
– Concrete slab to brick wall is 7.5'

10:00 – Digging crew taking break
10:30 – Back from break.

11:45 – Crew stopped for lunch. PID 1 battery died during lunch break. Placed on charger. It will run on charger

1:00pm – back from lunch

Time	Comm	Vm1	Vm2	1D	1P	2D	2P
8:15	0.2	0.9	0.5	0.006	0.0	0.001	0.0
8:30	0.1	0.8	0.7	0.005	0.0	0.003	0.0
8:45	0.2	0.7	0.5	0.007	0.0	-0.001	0.0
9:00	0.1	0.7	0.5	0.007	0.0	-0.002	0.0
9:15	0.6	0.1	0.6	0.007	0.0	0	0
9:30	0.1	0.7	0.6	0.007	0.0	0.00	0
9:45	-0.1	0.5	0.5	0.009	0.0	-0.006	0.0
10:00	0.1	0.6	0.5	0.008	0.1	-0.008	0.0
10:15	—	—	—	—	—	—	—
10:30	0.2	0.6	0.4	0.009	0.1	0.015	0.0
10:45	0.2	0.5	0.4	0.011	0.1	0.013	0.0
11:00	0.1	0.5	0.4	0.008	0.1	-0.017	0.0
11:15	0.2	0.5	0.4	0.008	0.1	-0.013	0.0
11:30	0.3	0.5	0.4	0.0001	-0.0		0.0
11:45							
12:00							
12:15							
12:30							
12:45							
13:00							
13:15	0.3	0.3	0.4	0.008	0.0	0.014	0.0
13:30	0.1	0.5	0.4	0.04	0.1	-0.02	0.0
13:45	0.2	0.3	0.2	0.013	0.1	-0.018	0.1
14:00	0.2	0.3	0.1	0.015	0.4	-0.027	0.1

1:35pm Crew Breaking down
3:20pm Scott and I done downloading data and heading off site.

5/18/02

7:00am - On site w/ scott Rainy, MT 50's,

7:30am - Scope seems to be charging multiple times per day. Waiting for rain to stop and things to get figured out.

8:00am - Begin Setup

8:35am - All stations Set up, cleared, initialized.

★ On 5/18 John Cole requested both that the manhole cover be removed for inspection and that the crew excavate ground it. Jimmy (Con Ed (CE)) reacted at ~~for~~ to secure manhole crew BA indicated that they need level ground around the manhole cover in order to remove (for their tripod), States crew would be at least a few days out before being able to get here + remove cover. We can't excavate ground cover until they do their
Tab

Time	Comm	VM1	VM2	1D	1P	2D	2P
14:15	0.3	0.6	0.2	0.014	0.0	-0.005	0.1
14:30	0.3	0.5	0.2	0.013	0.0	-0.014	0.1
14:45							
15:00							

5/19/22

	Comm	VM1	VM2	1D	1P	2D	2P
9:00 am	0.8	1.2	1.4	0.012	0.0	0.001	0.1
9:15							
9:30							
9:45							
10:00							
10:15							
10:30							
10:45							
11:00							
11:15							
11:30							
11:45							
12:00							
12:15							
12:30							
12:45							
13:00							
13:15							
13:30							

In other Book

Date To

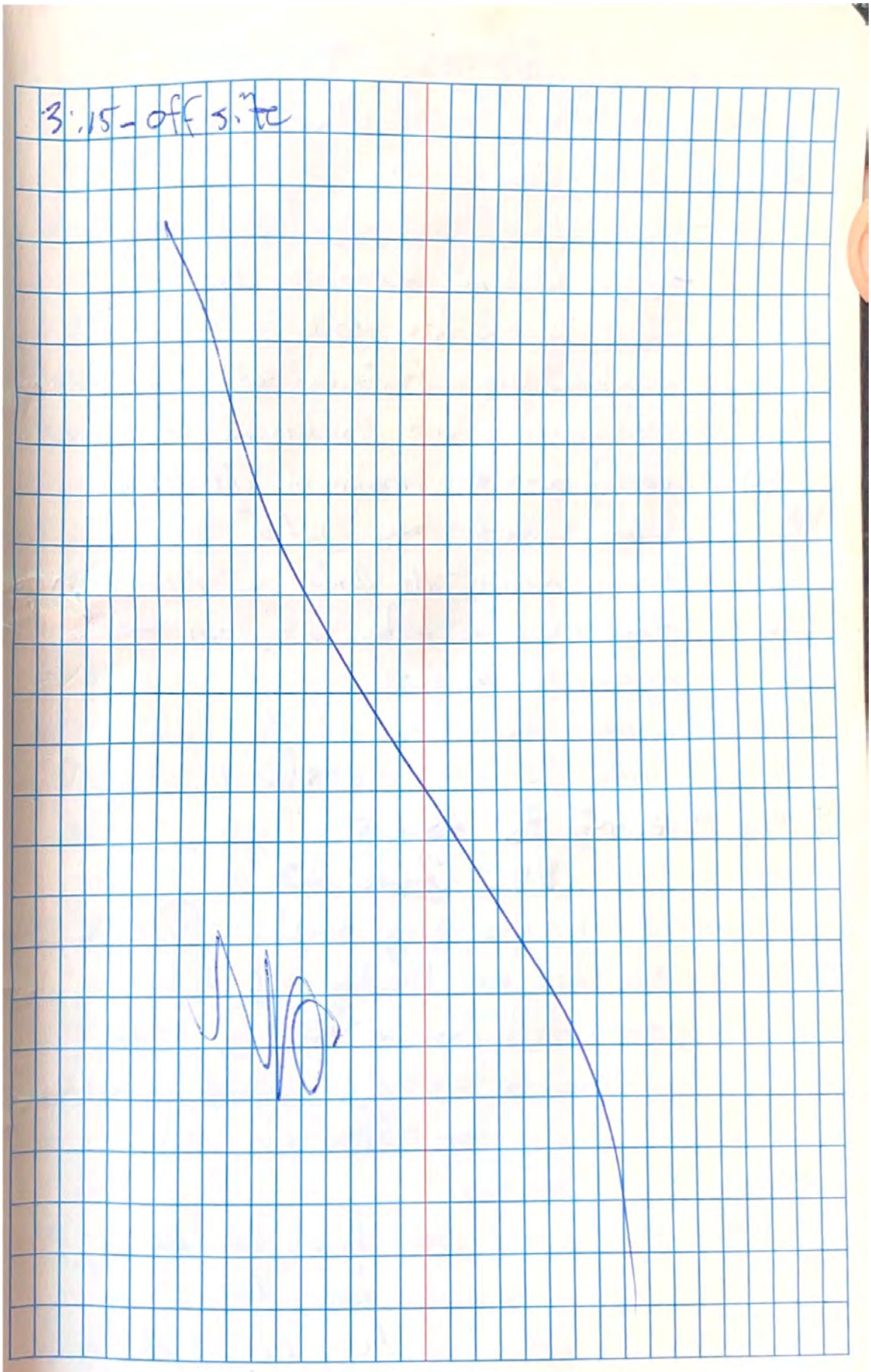
Rem

10:00 am Crew Dave dumming previous days soil + returning to excavation.

10:30 Josh Cole stopped by and was irritated that we had not excavated around the manhole cover yet. Jimmy (CEI) reiterated the previously mentioned situation. John went to find manhole Crew ~~~~ who is working across the st. and get them to do the ~~~~ removal. They stated it would be at least half-a-day to get a
10:50 am crew here. John made the decision to excavate around the cover now and not worry about getting it removed since he did not want to waste another day. States that he is more concerned about what is around it then what is in it.

12:00pm Crew ~~~~ for lunch
1:00pm Crew back from lunch
2:30 after increasing ~~~~ levels it peaks ~~~~ at 216 for the day on (N) side of structure.
2:40 Crew packing up. Begin downloading data.

3:15 - off 5.7c



5/20/22 59°F, Sunny

7:00 am - On site w/ Scott Wind - light & variable

7:30 - Safety meeting

8:00 am - All stations set up, cleared, running
- VM2 did not seem to download a full day of data yesterday (I haven't checked the spreadsheet yet). I redownloaded this morning and that was the same. Will verify amount of data points when I get time. Out of caution I am running Hg Analyst w/ laptop on that machine today so I can keep an eye on things.

9:35 - Bucket of soil reads 425. North side of structure after it was cut

9:45 - Barrel 36 - ~~151~~ 154
37 = ~~200~~ 200

10:00 am - small specs of Hg found on (N) side of structure. Reading was 768. Attempted another reading + the Jerome stopped, requiring regeneration on purge for 45 min until it completes.
Instructed crew that they can continue peeling back top 10-12" since that has been non-detect.

Time	Comm	VN1	VN2	1D	1P	2D	2P
8:15	0.1	1.1	1.3	0.108	0.0	0.065	0.01
8:30	0.1	0.9	1.2	0.108	0.0	0.078	0.0
8:45	0.2	0.9	1.0	0.075	0.0	0.069	0.0
9:00	0.0	0.7	1.0	0.077	0.0	0.066	0.0
9:15	0.1	0.7	1.0	0.076	0.0	0.065	0.0
9:30	0.1	0.8	0.9	0.054	0.0	0.035	0.0
9:45	0.1	0.8	0.8	0.052	0.0	0.030	0.0
10:00							
10:15							
10:30	0.1	0.6	0.7	0.031	0.0	0.017	0.0
10:45							
11:00							
11:15							
11:30	0.1	0.5	0.6	0.035	0.0	0.017	0.0
11:45	0.1	0.5	0.6	0.034	0.0	0.031	0.0
12:00							
12:15							
12:30							
12:45							
13:00	0.3	0.5	0.6	0.030	0.0	0.010	0.0
13:15	0.2	0.7	0.6	0.033	0.0	0.015	0.0
13:30	0.3	0.6	0.7	0.035	0.0	0.015	0.0
3:45	0.2	0.6	0.6	0.035	0.0	0.021	0.0
14:00	0.2	1.0	0.6	0.037	0.0	0.022	0.0
14:15							

11:00pm Scott had manhole crew remove (N) manhole cover as well. Mercury droplets discovered on (N) end of vault. Scott photographed w/ flash light.

11:30 started digging again
12:00 Crew taking lunch
1:00pm back to work
2:05pm Stopped digging. Started securing ges for weekend
3:00 off site. Derek, Ship Samples

5/23 60°F, Sunny
winds 0-10 mph
Visible

7:30 - everyone on site
7:45 - Safety meeting, HAS inspector regarding we get a new handwashing station
8:15 All stations set up + running
8:20 Diggers pull back Plastic Begin

A - VST's Did NOT go back to the same stations as last week so background #'s are different.

Time	Comm	vn1	vn2	1D	1P	2D	2P
8:30	0.8	0.6	0.0	0.005	0.0	0.004	0.01
8:45	0.7	0.6	0.1	0.006	0.0	0.007	0.0
9:00	0.7	0.5	0.2	0.009	0.0	-0.004	0.0
9:15	0.7	0.5	0.2	0.005	0.0	0.001	0.0
9:30		0.5	0.1	0.007	0.0	0.005	0.0
9:45	0.3	0.5	0.1	0.007	0.0	0.005	0.0
10:00	0.4	0.5	0.1	0.001	0.0	-0.006	0.1
10:15	0.4	0.5	0.1	0.009	0.0	-0.010	0.1
10:30	0.1	0.5	0.1	0.007	0.0	-0.012	0.1
10:45	0.1	0.6	0.2	0.010	0.0	-0.012	0.1
11:00	0.1	0.4	0.3	0.005	0.0	-0.012	0.1
11:15	0.3	0.4	0.2	0.009	0.0	-0.005	0.1
11:30	0.3	0.6	0.1	0.011	0.0	-0.007	0.1
11:45							
12:00							
12:15							
12:30							
12:45	0.1	0.4	0.2	0.007	0.0	-0.012	0.1
13:00	0.1	0.3	0.3	0.011	0.0	0.010	0.1
13:15	0.1	0.3	0.0	0.007	0.0	-0.006	0.1
13:30	0.2	0.5	-0.1	0.008	0.1	-0.008	0.1
13:45	-0.2	0.3	0.2	0.010	0.1	-0.003	0.0
14:00	-0.2	0.3	0.02	0.010	0.1	0.002	0.3
14:15	0.2	0.0	0.2	0.006	0.1	-0.014	0.1
14:30	0.1	0.7	0.3	0.005	0.1	-0.013	0.1

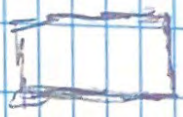
6:05am Diggers going on break
5:35 - Diggers Back
11:35 - Diggers on lunch

2:38 Diggers stopping - begin downloading data
3:05 off site

5/24 Cloudy, ~50°F Breezy/windy

6:20 - on site w/ night
7:05 - Diggers still not here
Begin set up
7:15 All stations set up + Initializing
7:25 All Un's cleared + Logging
7:30 Diggers here
7:40 Safety meeting
8:00 Begin Labeling Sample Jars
5:00 Crew taking morning break
11:05 - Station Operator being pulled. We have to leave
11:30 - Packed up + leaving
Icing + Shipping samples that were collected today.

Not to scale



13'2" from metal box

4"

8'7"

9"

South will to gate - 22'1"

T4

6'7"

Time	com	VM1	VM2	1D	1P	2D	2P
8:30	0.1	0.9	0.7	0.012	0.0	0.001	0.0
8:45	0.3	0.9	0.7	0.001	0.0	-0.003	0.0
9:00	"	"	"	"	"	"	"
9:15	"	"	"	"	"	"	"
9:30	0.3	0.9	0.7	0.011	0.0	-0.004	0.0
9:45	0.4	0.7	0.6	0.010	0.0	-0.004	0.0
10:00	0.3	0.6	0.6	0.011	0.1	-0.006	0.0
10:15	0.3	0.6	0.6	0.010	0.1	-0.003	0.0
10:30	"	"	"	"	"	"	"
10:45							
11:00							

5/31/22

Sunny
7:30 am - on site 76°F winds Light & variable
7:40 am - Safety Meeting
8:10 am - DPs setup
8:25 am - everything up & running
- workers pull Tarp Begin digging
9:15 am - workers take Break
10:20 am - workers taking water break
1310 - workers taking water break
13:45 - Jerome sits ted by when dig set uncovered mercury @ NW corner of structure work stopping until its done.
2:25 pm - Breaking down stations w/ Steve. Digging crew finishing hole.
3:15 pm - off site. Icing & shipping coolers.

6/1/22
Cloudy, 61°F
7:15 am - on site w/ scott & Steve

5/31/22

Time	Comm Wt.	WT2	1D	1P	2D	2P
8:45	0.3	0.2	0.7	0.038	0.0	0.030	0.0
9:00	0.2	0.2	0.6	0.028	0.0	0.033	0.0
9:15	0.4	0.1	0.8	0.027	0.0	0.016	0.0
9:30	0.3	0.1	0.5	0.026	0.0	0.016	0.0
9:45	0.3	0.1	0.5	0.028	0.0	0.016	0.1
10:00	0.3	0.1	0.5	0.025	0.0	0.016	0.1
10:15	0.3	0.0	0.5	0.023	0.0	0.015	0.1
10:30							
10:45	0.2	0.1	0.5	0.0	0.027	0.020	0.1
11:00	0.3	0.1	0.4	0.023	0.0	0.016	0.1
11:15	0.4	0.3	0.4	0.023	0.1	0.029	0.1
11:30							
11:45							
12:00							
12:15							
12:30	0.0	0.3	0.3	0.022	0.4	0.012	0.1
12:45	0.1	0.3	0.3	0.023	0.4	0.013	0.1
13:00	0.2	0.2	0.1	0.026	0.4	0.015	0.1
13:15							
13:30							
13:45	0.2	0.207		0.029	0.5	0.017	0.1
14:00							
14:15							
14:30							
14:45							

LUNCH

11:35e2 – Samplings

6/1/12

10:30 - workers taking coffee break

11:15 - still on break

11:00 - Excavation Paused due to utility line discussions going on.

11:00 - Barrel 43 Read very high. "High Concentration" shown on Jerome screen. Letting air out before sampling soil.

- 11:25 - dropped to 0.065. Airing out for another 10 min before proceeding w/ sampling.

1:00 - Digging Crew Sent home. Rob determining brick depth on NE corner to be 4½". ~~Steve~~ Steve did one round of monitoring at VM stations while he was in hole - All was fine.

2:00pm - Continuing sampling, Steve beginning to break down stations.

3:15 Finished sampling, loaded truck, off site.

6/1/22

Time	Comm	V11	V12	ID	IP	2D	2P
8:15	0.9	0.2	0.2	0.023	0.0	0.017	0.0
8:30	0.0	0.3	1.1	0.023	0.6	0.027	0.0
8:45	0.7	0.3	0.8	0.022	0.0	0.017	0.0
9:00	0.7	0.5	0.8	0.024	0.0	0.016	0.0
9:15	0.7	0.2	0.8	0.023	0.0	0.016	0.0
9:30	0.7	0.2	0.6	0.024	0.0	0.013	0.0
9:45	0.7	0.2	0.7	0.034	0.0	0.028	0.0
10:00	0.7	0.3	0.7	0.033	0.1	0.025	0.0
10:15	0.6	0.2	0.7	0.022	0.2	0.015	0.1
10:30							
10:45	0.6	0.1	0.7	0.024	0.2	0.017	0.1
11:00			0.6	0.027	0.3	0.018	0.1
11:15	0.5	0.3	↓			↓	↓
11:30							
11:45			STOP EXCAVATION WORK				
12:00			FOR UTILITY DISCUSSIONS				
12:15							
12:30							
12:45							
13:00	0.5	0.3	0.4	0.013	0.3	0.011	0.0
13:15							
13:30							
13:45							
14:00							
14:15							

6/2/22

7:00 am - on site w/ Steve. Scott picking up U-Haul truck

7:30 - Rich let us in to get set up

8:00 - All stations set up, cleared, logging
- VM1 + VM2 started high ~40. Slowly coming down. I made Steve aware.

8:10 - Safety meeting
Diggers may not have proper equipment with them for borings. They are figuring that out.

8:25 - Still waiting for John Cole we boring can proceed until he, us, + ADT ~~sign~~ Sign off on locations.

8:30 - Discovered ~~South~~ North wall had caved in due to last night's storm. Diggers clearing soil so Scott can finish scanning/mapping.

Time	Comm	V1	V2	1D	1P	2D	2P
8:30	0.5	1.9	1.1	0.029	0.0	0.031	0.0
8:45	0.2	1.2	0.9	0.026	0.0	0.030	0.0
9:00							
9:15	0.1	1.2	0.1	0.030	0.0	0.034	0.0
9:30	0.3	1.3	0.9	0.039	0.0	0.029	0.0
9:45							
10:00	0.0	1.2	0.7	0.038	0.0	0.036	0.0
10:15	John Cole on site discussing next steps						
10:30							
10:45							
11:00							
11:15	0.0	1.2	0.6	0.041	0.0	0.033	0.1
11:30	0.2	1.1	0.9	0.040	0.0	0.035	0.1
11:45	0.2	1.2	0.6	0.039	0.0	0.035	0.1
12:00	0.3	1.2	0.5	0.034	0.0	0.032	0.1
12:15	0.3	1.2	0.6	0.039	0.0	0.035	0.1
12:30	LUNCH						
12:45							
13:00							
13:15							
13:30	0.3	1.0	0.5	0.032	0.0	0.029	0.1
13:45	0.3	1.1	0.6	0.025	0.0	0.020	0.1
14:00	0.3	1.1	0.6	0.032	0.0	0.027	0.1
14:15	0.3	1.2	0.5	0.033	0.0	0.029	0.1
14:30							
14:45							
15:00							

6/2/22 Cont.

0900 - Cave-in cleared, waiting on John Cole's arrival to proceed

0945 - Assisting Scott w/ North wall mapping (Hg), still no intrusive work being performed as we await John Cole

1015 - J. Cole on site discussing next steps w/ Scott. Signs off on 6 proposed soil boring locations

1115 - ADT begins prepping for 1st soil boring (#2)

1230 - Break for lunch

6/3/22

0830 - Begin earthwork (SB-1)
0845 - Coffee/water break
0945 - ~~At SB1~~, Encountered obstruction at SB1 around 5'. Unable to collect a 5-6' sample. Went 1' offset to the east and west and experienced difficulty in both directions. Were able to dig to 5' east of SB1 (1' offset) and 4' west of SB1 (1' offset) where we encountered brick-like material.
1020 - Encountered obstruction at SB3 around 6' (hard impass). Offset 1.5' south and encountered same issue. Moved another 1.5' south (3' total from origin) and were able to dig past 6'.
1045 - Coffee/water breaks
1200 - BREAK
END OF INTRUSIVE WORK

1230 - Begin covering excavation area for weekend

Time	Comm	VM1	VM2	1D	1P	2D	2P	
0830	0.1	1.1	0.2	0.036	0.0	0.043	0.0	
0845								BREAK
0900	0.8	0.9	0.5	0.036	0.0	0.038	0.0	BREAK
0915								BREAK
0930	0.9	1.0	0.4	0.037	0.0	0.037	0.0	
0945	0.7	0.6	0.4	0.035	0.0	0.036	0.1	
1000	0.7	0.5	0.4	0.036	0.0	0.038	0.1	
1015	0.6	0.6	0.3	0.038	0.0	0.031	0.1	
1030	0.5	0.6	0.3	0.032	0.0	0.032	0.1	
1045								BREAK
1100								BREAK
1115	0.5	0.9	0.2	0.035	0.0	0.034	0.1	
1130	0.4	0.4	0.2	0.039	0.0	0.035	0.1	
1145	0.4	0.5	0.4	0.037	0.0	0.036	0.2	
1200	0.5	1.0	0.1	0.035	0.0	0.035	0.2	
1215								
1230								
1245								
1300								
1315								
1330								
1345								
1400								
1415								
1430								
1445								

DONE WITH INTRUSIVE WORK

Gate: 15' 10.5" wide, center of post to center of post

Midgate to structure: 18' 2" (just west of corner)

North wall: 9'
East wall: 4'
South wall: 14' 10"
West angle wall: 6' 7"

Diam MH 2' 8"
Utility 1' 5" bgs

MH center to MH center: 9' [illegible]"

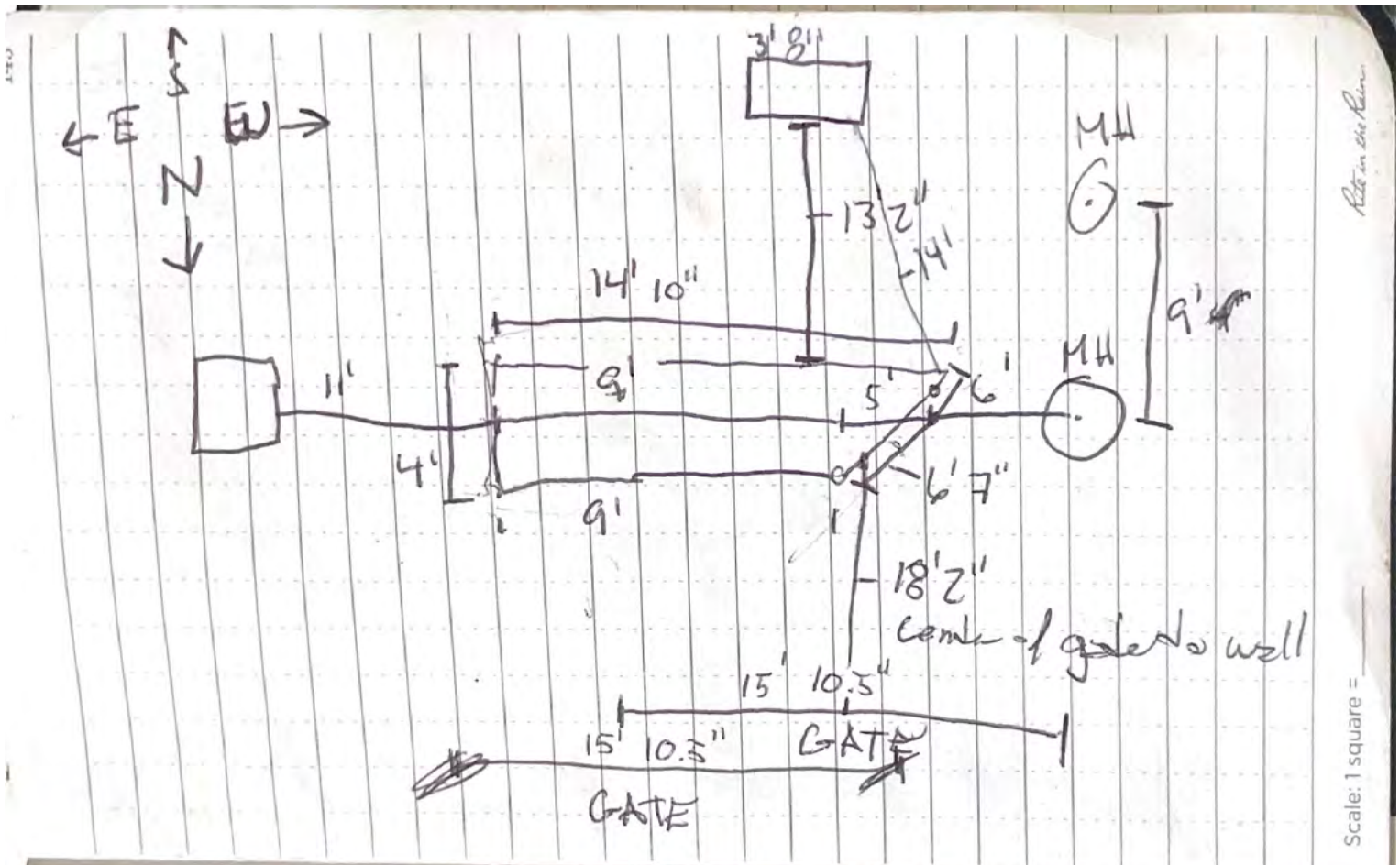
West post NW corner: 19'

West post SW corner 21' 3"

East post to NE corner 17' 7"
East post to NW corner 19'

142

Scale: 1 square = ____



Gate: 15' 10.5" wide, center of post to center of post

Midgate to structure: 18' 2" (just west of corner)

North wall: 9'
East wall: 4'
South wall: 14' 10"
West angle wall: 6' 7"

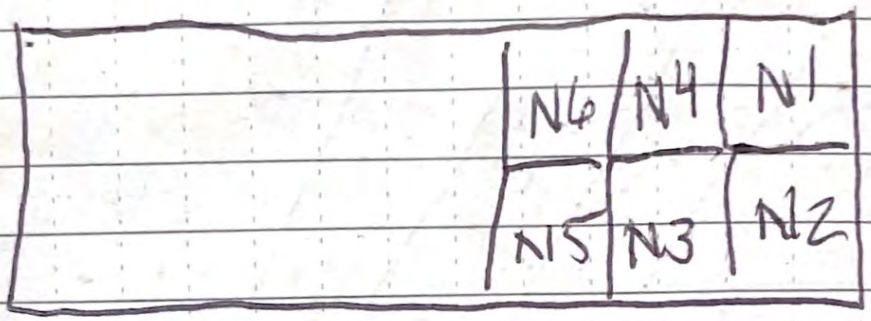
Dizon MH 2' 8"

Utility 1' 5" bass

N1 = 225 ug/m³

N2 = 37 ug/m³
N3 = 67 ug/m³
N4 = 65 ug/m³
N5 = 7 ug/m³
N6 = 136 ug/m³

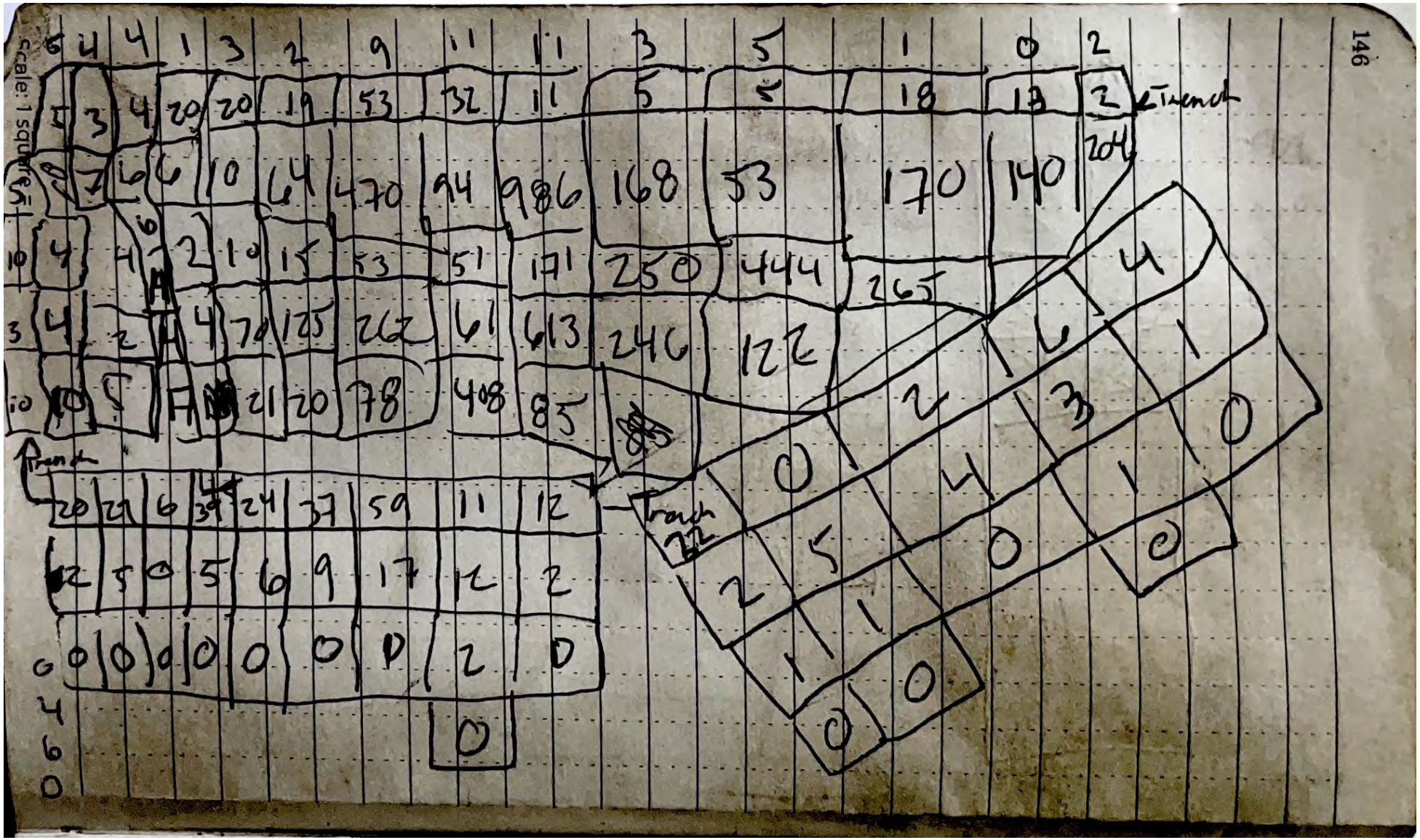
Scale: 1 square = _____



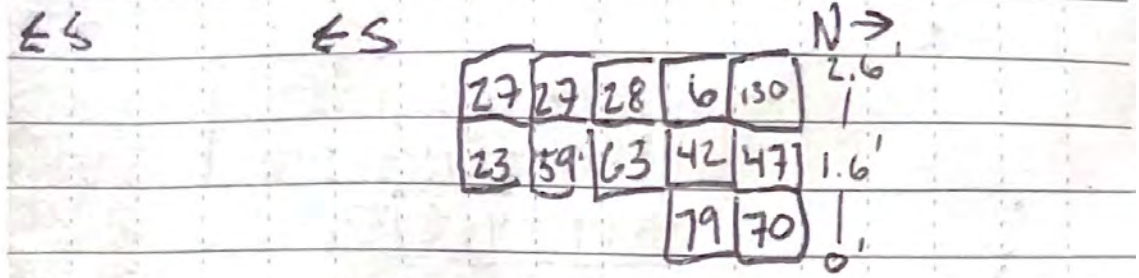
TP03 85 ug/m³ - East wall

TP02 31 ug/m³ - South East

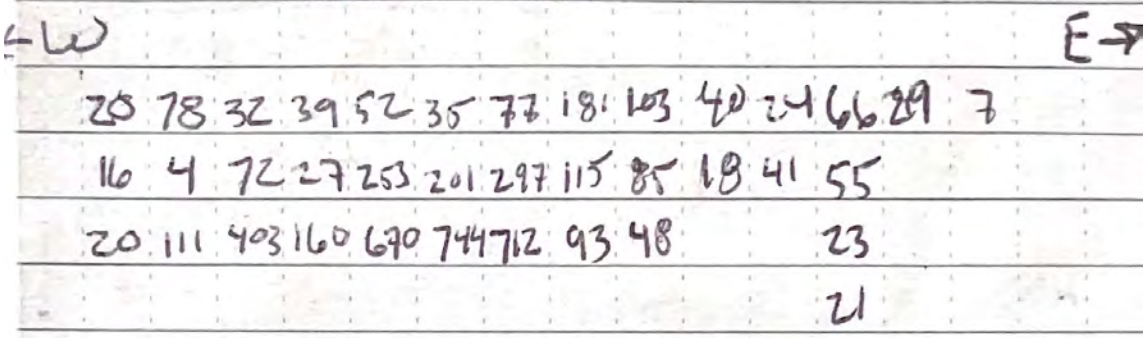
Scale: 1 square = _____


Scale: 1 square = 5
Trench
Trench
Trench

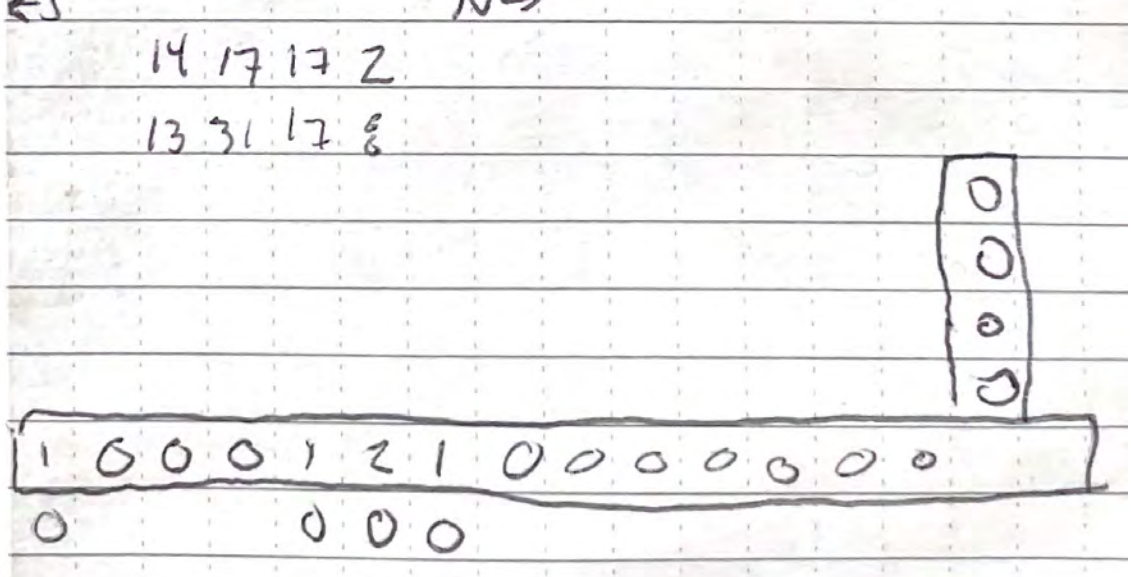
West Wall



South Wall SW corner 2.5' tall



East Wall



Scale: 1 square = _____

Rite in the Rain

← E

TOP

W →

↑ S	39	21	18	17	18	26	14	26	54
		14	25	7	21	12	23	14	85
			39	16	9	6	37	52	59

Scale: 1 square = _____

SB-2

@5' sample between 5-6
max 10 ug/m³
loose, brown f-SAND w/ f-c gravel

Sample 6-7' 3 ug/m³
SAA

Sample 7-8 16 ug/m³
SAA

Sample 8-9 10 ug/m³
SAA increase in moisture content

sample 9-10' 14 ug/m³
SAA

SB1 4-5' visible Hg beads 1 cm Ø
oversaturated Serene

Rite in the Rain

SB5 5-6' 202 ug/m³
moist, loose, brown f-SAND w/f-gravel

SB5 6-7' 284 ug/m³
SAA

SB5 7-8 94 ug/m³
SAA

SB5 8-9 79 ug/m³
SAA

SB3
~~SB4~~ 5-6' 401 ug/m³
dark brown
moist, loose, f-M-SAND w/trace f-c gravel

6 feet slight tap impasse
offset 1.5' South, same obstruction
offset another 1.5' south

6-7' 132 ug/m³
moist, loose, dark brown f-m SAND w/trace f-gravel

7-8' 30 ug/m³
moist, loose, dark brown SAND (f)
trace f gravel

Scale: 1 square =

0-0.5 - stone fill
0.5-1.5 moist, dense gravel w/ f sand
1.5-4' back fill sand
4-~~8~~ depth f or M ~~brown~~
light brown, brown, or dark brown SAND w/ gravel

8-9' 58 ug/m³
SAA

Terminated hole / all gravel

SB 4 5-6' 68 ug/m³
moist, loose ~~f~~ dark brown SAND (f) w/ f-c gravel

6-7' 104 ug/m³
SAA
~~7-8~~ 7-8' 79 ug/m³
SAA
8-9' 247 ug/m³
~~247~~ SAA

9-9.5 102 ug/m³
Terminated in gravel

Scale: 1 square = _____

Rite in the Rain

ANCHOR QEA

LOG OF EXPLORATORY BORING

CLIENT/PROJECT NAME:	BORING # TMW-01
PROJECT NUMBER:	DATE BEGAN: 11/1/22
GEOLOGIST/ENGINEER:	DATE COMPLETED:
DRILLING CONTRACTOR:	TOTAL DEPTH:
DRILLING METHOD:	SHEET 1 OF
HOLE DIAMETER:	

Field location of boring

OTHER*	WELL OR PIEZOMETER DETAILS	SAMPLING DATA: SAMPLING METHOD	SAMPLE NUMBER	FID / PID (ppm) Hg (ug/m³)	RECOVERY (feet) Depth Sampled	BLOWS / 6 INCHES	DEPTH SAMPLED Recovery	DEPTH IN FEET	SOIL GROUP SYMBOL (USCS)	LITHOLOGIC DESCRIPTION
	5-10'	DP	1	0 ug/m³	5 / 6.5 / 10		32"			Note upper 5 FT heard dug on 10/31 see 10/31 note Dry, brown SAND (70%) fine to coarse sand, gravel fine to medium gravel 0.0 ug/m³ headspace, no visible Hg Dry, brown SAND (90%) fine to medium w/ some coarse, gravel fine to medium
	10-15'	DP	2	0 ug/m³			44"	0" 23" 44"		Dry, brown medium to fine SAND with 10-20% (little) gravel (fine to medium) Dry, brown medium to coarse SAND with 10-20% (little) fine to medium gravel NO VISIBLE HG
	15-20'	DP	3					0 25" 40% 40"		SAA w/ 20-30% gravel saturated @ 25" SAMPLED @ 16'-17' @ 1110 ~~HG~~ HG ~~NO VISIBLE~~ HG medium to coarse SAND ~~NOT~~ grading to more coarse (50-90%) NO VISIBLE HG
	20-25'							0 27"		SAA w/ more gravel throughout (20-30%) NO VISIBLE HG
										END OF BORING 25 FT [4-24 FT screened interval]

Remarks:

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CHECKLIST FOR INTRUSIVE FIELDWORK

PROJECT BACKGROUND INFORMATION

Site Name: Hudson Ave East Substation — Job No. E1092I-03.01
Site Address: 164 John St. Brooklyn, NY
Con Edison Project Manager: John Cole — Phone: (315) 450-2425
Con Edison Site Manager:
Consultant Project Manager: Matt Cavas — Phone: (518) 222-5486
Consultant Site Manager: Stephen Messer / Matt Cavas — Phone: (315) 663-8033
Subcontractor (driller, excavation, etc):
Subcontractor's Contact Person: ADT PM - John Diamond — Phone (516) 729-5058
Meeting / Start Date: 10/31/22 — Time

HEALTH AND SAFETY PLAN REVIEW

Name: Stephen Messer — Organization: Anchor QEA — Date: 10/31/22
Name: Hannah Ghotbi — Organization: Anchor QEA — Date: 10/31/22
Name: — Organization: — Date:
Health and Safety Form Completed: Yes — Date 10/31/22
Site Drawings (yes/no/NA): — (Attach site figure with proposed boring locations)

CODE 753 UTILITY MARK-OUT REQUESTED? (Y) / N

Called by: ADT (John Diamond) — Organization: ADT
Date: 10/17/22 — Time 4:42 — Initials JD
Reference #: 222903080 / 222903081
Utility Drawings Received: — (Attach copy of utility maps)

UTILITY INVENTORY

Above Ground Services:

Utility	Utility Company Name	Depth (ft)	Phone	Date Notified	Notification Method	Marked
Electric	Con Ed, National Grid	NA				(Y) N
Telephone	N/A	NA				Y / N
Cable (Communications)	Verizon / Cablevision / AT&T	NA				(Y) / N
Overhead Supports	N/A	NA				Y / N
Traffic light cables	N/A	NA				Y / N

Drawings/Plates Obtained (List): 609143.SK4, SK 609143-SK4-1 063021 Mod, SK 609144-SK3, 063021

Notes:

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CHECKLIST FOR INTRUSIVE FIELDWORK

UTILITY INVENTORY (continued)

Below Ground Services:

Drawings/Plates Obtained (List) _____

Utility	Utility Company Name	Depth (ft)	Phone	Date Notified	Notification Method	Marked
Electric	Con Ed, National Grid					(Y) / N
Telephone	N/A					Y / N
Cable	N/A					Y / N
Gas	None					Y / N
Water	N/A					(Y) / N
UST System	N/A					Y / N
Storm	N/A					Y / N
Sanitary	N/A					Y / N
Steam	None					Y / N
Pipeline Companies	N/A					Y / N
Other (Tunnels, etc.)						Y / N

PRIVATE UTILITY LOCATING SERVICE RETAINED? (Y) / N

Date 10/31/22 Time 0945 Initials AM

Name of Locating Service: GPRS

Telephone #/ contact:

Name of Operator(s)/Type of sensing equipment used Adam Messner

METAL DETECTOR SURVEY

Drilling location cleared by N/A (Consultant/Contractor) with a metal detecto

Consultant / Contractor Name N/A By (initials): N/A Date: N/A

INTRUSIVE SAMPLING LOCATIONS MARKED, M-SCOPED AND CLEARED

Locations Marked by: Stephen Messer Date(s): 10/31/22

Date(s):

M-Scope performed by: Con Ed Date: 10/31/22

Conduct Site Walk and Complete Site Walk Table

ACKNOWLEDGEMENT

The parties listed on the attached Site Walk Sign-In Sheet have participated in a site walk at 164 John Street to review proposed intrusive sampling locations and to evaluate the presence, configuration and identification of utilities at this site, as marked out. The parties have agreed with the proposed activities that will be completed prior to conducting intrusive work. The utility clearance activities will be completed as summarized in Table A (attached).

ADDITIONAL COMMENTS / NOTES:

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CHECKLIST FOR INTRUSIVE FIELDWORK

Site Walk Sign-In Sheet

Project Name: John Street

Date of Site Walk: 10/31/22

Name:	Organization:	Phone No.
Stephen Nesser	Anchor QEA	(315) 663-8033
Hannah Ghebi	Anchor QEA	(210) 259-6734
Ellen Harrison	Con Ed	(347) 203-4605
Shivani Rampersad	Con Ed	(917) 837-8870
John Cole	Con Ed	315-450-2415
Luke Calcaterra	ADT	646-208-4268
Vejay Semeran	ADT	631-889-7696

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Utility Clearance
Site Walk Summary Table

Sampling Location	Nearest Utility Distance	Nearest Utility Type	Depth	Clearance Required (Y/N)	Accepted Clearance Method	Rationale for Clearance Method	Depth of Clearance	Date Utility Cleared	Findings /Comments
SB-07	2'	Electric	~~10'~~	Y	Hand-Clear	Overhead Utilities	10'	10/31	
SB-08	2'	~~Unknown~~ Electric	~~10'~~ 2'	Y	↓	↓	10'	↓	
SB-09	2'	~~Unknown~~ Electric	~~10'~~	Y	↓	↓	10'	↓	
TMW-01	Ete 2'	Electric	2'	Y	↓	↓	20-25'	↓	

Signature of Site Walk Participants -

Remediation PM: John Cole

Construction Management: Shivani Rampersad / Fillow Hawkow

Consultant PM: Stephen Messur

Contractor:

Date Site Walk Conducted: 10/31/22

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JSSC-TMW-01

ST: 1320

ANCHOR QEA

DUP TAKEN: JSSC-TMW-01-DUP

Well Development Log

FACILITY NAME: John Street
LOCATION:
FIELD PERSONNEL: HG/SM/MC

DATE: 11/1/2022
ARRIVE TIME:
WEATHER: 60's, Part sunny

WELL NUMBER: ~~TMW-01~~ JSSC-TMW-01
WELL DIAMETER: 2 in
TYPE OF CASING: PVC
MEASURING POINT: top of casing
FLUSH MOUNT / STICK-UP N/A
COMMENTS: Sampled @ 1320

WELL DEPTH IN FEET (WD): ~~NA~~ ft
WATER LEVEL IN FEET (WL): 17.81
LENGTH OF WATER COLUMN: _____ FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: _____ GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: _____ GALLONS
ACTUAL VOLUME DEVELOPED: _____ GALLONS

START TIME: 1158

WELL CASING VOLUMES (WCV)
2" = 0.17 Gal/Ft 3" = 0.38 Gal/Ft 4" = 0.66 Gal/Ft 6" = 1.5 Gal/Ft 8" = 2.6 Gal/Ft 12" = 5.8 Gal/Ft

TIME	DEVELOPMENT METHOD	ESTIMATED FLOW RATE (gpm)	GALLONS PURGED	pH UNITS ±0.1	SPECIFIC COND. mS/cm ±3%	TEMP (C°) ±3%	DISSOLVED OXYGEN (mg/L) ±10%	OXIDATION REDUCTION POTENTIAL (mV) ±10	TURBIDITY (NTU) ±10%	DEPTH TO WATER ±0.3 (feet TOC)
1200	peristaltic			5.58	1.52	18.94	10.5	~~108~~ 108	1000	17.8
1210				5.93	1.56	19.82	9.8	~~97.9~~ 97.9	1000	17.8
1215				5.98	1.54	20.10	9.59	41	550	17.8
1220				6.03	1.48	20.51	9.32	25	276	17.79
1225				6.05	1.41	20.73	9.16	19	180	17.79
1230				6.06	1.40	20.82	9.11	14	174	17.79
1235				6.08	1.37	20.95	9.01	18	118	17.79
1240				6.09	1.35	21.03	8.95	18	90.4	17.74
1245				6.11	1.33	21.08	8.90	24	59.5	17.74
1255						~~20.96~~	~~8.80~~	~~115~~	~~205~~	~~17~~ 17.76
1305				6.11	0.896	20.82	8.70	118	1000	17.76
1310				6.14	0.864	20.84	8.71	119	370	17.78
1315			~24 gal	6.16	0.790	20.87	8.70	115	93.3	17.78
									visually clear sampled	

PROTECTIVE CASING: _____ PAD: _____ LOCK: _____ VEGETATION: _____ ACCESS: _____

Field Personnel Signature: Date:

Comments: turbid at first
after 1245, battery issues w/ pump [Fixed 1305]

Notes: µS = micro-Siemen
C° = degrees Celsius
mg/L = milligrams per liter
mV = millivolt
NTU = nephelometric turbidity units

Method Reference: Temperature: SM 2550 B-2000
Specific conductivity: EPA Method 120.1, Rev. 1982
DO: SM 4500 O G-2001
pH: SM 4500-H+ B-2000

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JSSC-HW-10

ST: 0940

Low-Flow Groundwater Sample Collection Field Form

Project: John St.	Date: 11/2/22		
Project No: E10921-03.01	Location ID: JSSC-HW-10	~~QC~~ Sample	
Field Staff: MC, HG, SM	4 inch well	MS/MSD	
A. Monitoring Setup			
Time: 0855	Pump Installed Depth (feet; measured from top of inner casing):	≃ 32.45 ft	
Depth to Water (feet; measured from top of inner casing): 17.18 ~~18.18 HG~~ TD: 32.45	NAPL Present (Yes/No):		

Water Quality Instrument Make/Model: Horiba U-52				Instrument Serial No. NA			
Sensor (check applicable parameters)	☒ Temperature	☒ pH	☒ Spec. Conductance	☐ Diss. Oxygen	☒ Oxygen Reduction Potential	☒ Turbidity	☐ Other?
Sensor ID/serial No.	# NA	# NA	# NA	# NA	# NA	# NA	# ____

B. Water Quality Data

Pre-Purge Start Time*:

Pre-Purge Rate*:

Sampler Inlet Depth:

Initial Depth to Water:

Time	Pump Rate (mL/min)	Temperature (°C)	pH	Specific Conductance mS/cm (~~µS/cm~~)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Water Level (feet)	Notes (color, odor, etc.):
903	250	16.57	6.71	2.09	10.33	193	360	17.18	
908		16.96	6.73	1.08	9.97	215	31.9	17.18	
913		17.06	6.73	1.08	9.85	219	18	17.18	
918		17.12	6.74	1.08	9.69	222	13.8	17.18	
923		17.16	6.75	1.08	9.51	225	11.4	17.18	
928		17.22	6.75	1.08	9.42	227	7.4	17.18	

Sampling ID	Sampling Depth (Below Mudline) (ft)	Sample Time	Analyses
JSSC-HW-10	≈ 30'	940	

Notes:

ANCHOR QEA

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JSSC-MW-07

ST: 0835

Low-Flow Groundwater Sample Collection Field Form

Project: Johnst E. Co		Date: 11/2/2022	☐ QC Sample
Project No:		Location ID: MW-07	
Field Staff: S Messur / H Glotbi / M Cuevas		2" well	
A. Monitoring Setup			
Time: 755		Pump Installed Depth (feet; measured from top of inner casing):	~28 ft
Depth to Water (feet; measured from top of inner casing):	22.15 TD-29.91	NAPL Present (Yes/No):	NO

Water Quality Instrument Make/Model: Horiba U-52			Instrument Serial No. NA			
Sensor (check applicable parameters)	☑ Temperature	☑ pH	☑ Spec. Conductance	☑ Diss. Oxygen	☑ Oxygen Reduction Potential	☑ Turbidity	☐ Other?
Sensor ID/serial No.	# NA	# NA	# NA	# NA	# NA	# NA	# ___

B. Water Quality Data

Pre-Purge Start Time*: 758

Pre-Purge Rate*: 100 mL/min

Sampler Inlet Depth: ~28 ft

Initial Depth to Water: 22.15

Time	Pump Rate (mL/min)	±3% Temperature (°C)	±0.1 pH	Specific ±3% Conductance (µS/cm)	Dissolved ±10% Oxygen (mg/L)	±10 mV ORP (mV)	±10% Turbidity (NTU)	±0.3' Water Level (feet)	Notes (color, odor, etc.):
0802	100	15.62	6.07	.865	10.89	142	271	22.15	
0807	100	15.89	5.99	.808	10.93	196	47.9	22.17	
0812	100	16.22	5.97	.719	10.78	217	14.8	22.18	
0817	100	16.40	5.95	.679	10.54	227	9.7	22.18	
0822	100	16.51	5.94	.675	10.36	234	5.8	22.18	
0827	100	16.57	5.93	.659	10.22	239	5.7	22.18	
0832	100	16.58	5.94	.649	10.16	238	5.7	22.18	

Sampling ID	Sampling Depth (Below Mudline) (ft)	Sample Time	Analyses
JSSC-MW-07	≈ 28'	0835	

Notes:

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Geophysical Report

Clean Globe Environmental LLC

Water, Soil, & Air Monitoring / Remedial Construction /Operation and Maintenance / Geoprobe Services / In-Situ Chemical Oxidation Injections / Soil Vapor Intrusion Mitigation / Geophysical Surveys

November 9, 2021

Mr. Matt Cavas
Anchor QEA, LLC | 68 Excelsior Ave, Suite 101 | Saratoga Springs, NY 12866
mcavas@anchorqea.com

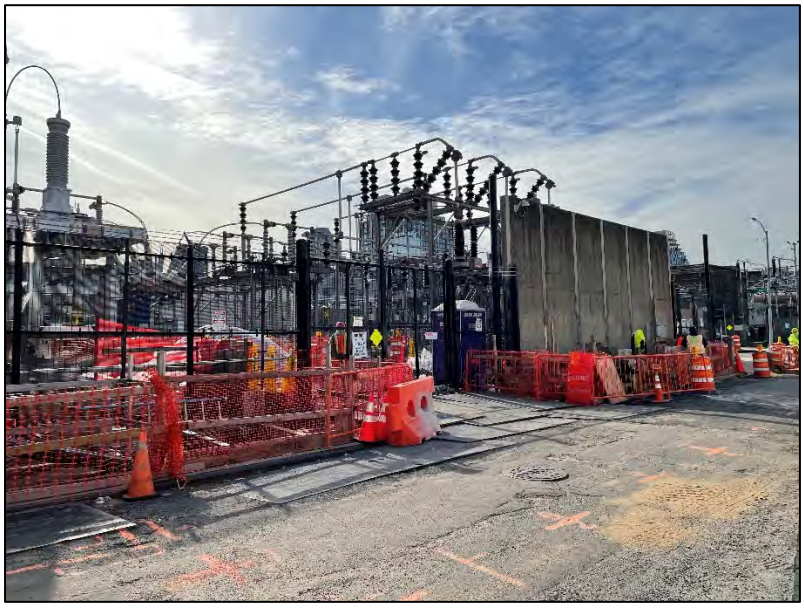
Re: Geophysical Investigation
ConEdison Substation
194 John Street, Brooklyn NY

Dear Mr. Cavas,

On November 4, 2021, Clean Globe Environmental LLC (CGE) conducted an investigation within a ConEdison property, located at 194 John Street, in Brooklyn NY. The purpose of this investigation was to mark locations of detectable subsurface utilities and features, to aid in the safer placement of proposed boring locations. The boundary for the area of investigation (AOI) was identified in the field by the Client (AnchorQEA) and CGE field personnel (see Figure 1). Accessible areas within the AOI boundary were investigated to the extents possible.

There were limitations in the investigation related to access within the site, and will be further described below, where appropriate. Additional goals of this investigation included delineating a suspected concrete structure, and marking utilities in the sidewalk along John Street adjacent to the site. Neither of these goals were possible due to a soil mound in the area of the suspected structure, and an open excavation in the sidewalk within an active work zone.

Image 1. Looking South towards the AOI from outside of the property.



In addition to the soil mound in the AOI, a trench on the east and south sides of the AOI (and some areas of stored materials) limited the accessible areas that were suitable for the investigation. Additional limitations included access to a manhole to view utilities in the vault and the ability to apply a toning signal on exposed conduits around the AOI, which will be further discussed below.

Image 2. Panoramic Image of the AOI. North is on the left and South is on the right.



Equipment:

- Electromagnetic (EM) metal-detector - Fisher TW-6 hand-held metal-detector.
- Ground Penetrating Radar (GPR) - GSSI Dual Frequency (300MHz and 800MHz) antenna system.
- EM utility line locators - Dynatel 2250 and RadioDetection 7100.

Methods:

- Typically, areas surrounding each AOI are visually inspected for utility related conduits and structures, such as meters, valves, light posts, manholes, etc., and for public utility markouts. When features are noted, attempts would be made to determine or confirm locations of the associated utilities using the appropriate instrument and method; however, this was not allowed.
  - Since this was an active property, CGE was not given permission to apply a toning signal to any conduits or structure, which limited this investigation. Some utilities are not detectable without applying a toning signal at an accessible exposure.
  - In addition, CGE did not have permission to open the manhole located in the AOI to look for numbers and directions of utilities, this also limited the thoroughness of our investigation.
- An EM line locating receiver was used in passive modes over the AOI in an attempt to locate additional conductive utilities with no obvious surface exposures.
- The EM metal-detector was carried over the AOI and the response was monitored in real-time in an attempt to locate conductive utilities and features, such as underground storage tanks (USTs), vaults, or other buried conductive items or materials.
- The GPR was pushed across the AOI and the data was analyzed in real-time in an attempt to locate conductive and non-conductive utilities and features. GPR data was also collected over metal-detector anomalies in an attempt to further characterize the underlying sources. The GPR data indicated a decent detection signal to a depth of approximately 3-4 feet across the AOI.
- An EM line locator was used to further investigate unknown conductive linear features detected using other methods mentioned above, by placing a transmitter on the ground above the lines in an attempt to induce a signal detectable with the instrument's receiver.
- Detected features were marked on the ground with spray paint and sketched onto a figure.

Results:

In result of this investigation, CGE located several suspected electric lines or ground wires, multiple line segments only detected with the GPR, and marked the extent of the metal-detector's response to the suspected electric vault near the center of the AOI.

In addition to the electric conduits onto which CGE could not apply a toning signal, there was an unidentified pipe in the northeast corner of the AOI that could not be investigated. This line appeared to be a water or gas pipe, but this could not be confirmed. This pipe could be associate with one of the lines detected in this investigation; however, it could not be confirmed if this pipe was located.

Image 3. Looking East at the unknown pipe in the northeast corner of the AOI.



As mentioned above and below, there were limitations in this investigation, and it is recommended that all possible precautions be taken when planning intrusive activities in this area. The results are further described below, and are displayed in Figure 1 and Images 1-4.

Suspected Electric lines

Suspected lines detected with the utility locator's receiver operating in passive detection modes were expected to be electric lines or ground wires. Since the lines were not traced to visible conduits or features, the identity of these lines could not be determined.

Some of the detected lines became undetectable within the AOI, as indicated on Figure 1. It could not be determined if these lines indeed ended, or if they continued beyond the detection limits, or if they ran parallel to another detected lines. The only way to confirm the type of extent of a detected feature is through a careful excavation.

As mentioned above, CGE did not have approval to apply a toning signal onto accessible electric conduits, which prevented the ability to confirm the locations of the lines associated with electric conduits around the AOI.

Without access to the interior of the suspected electric vault associated with the manhole in the AOI, CGE could not verify the lines were detected, and could not determine the expected number or direction of the lines in the vault.

Image 4. Looking North at the suspected electric manhole and suspected utility lines.



Metal-detector anomalies

In addition to responding to most of the suspected electric related lines, the metal-detector responded to the suspected extent of the vault associated with the manhole in the AOI, and detected two additional features.

- Although the expected extent of the electric vault was marked based in the metal-detector's response, there are various reasons the vault could be larger than detected. The extent of the vault should be verified before performing intrusive work in the vicinity of the vault.
- The metal-detector located a feature on the south edge of the soil mound. This feature was detected within a shallow GPR anomaly. The proximity to the soil mound and the open trench limited the ability to further investigate this feature.
- A suspected edge of a metal-detector anomaly was detected north of the soil mound. Aboveground obstructions prevented any further investigation of this feature.

GPR linear features and anomalies

The GPR located three lines and two anomalies that were nor detected with the other instruments.

- Three lines, expected to be 2 to 3 feet deep, were only detected with the GPR. Due to surface obstructions, it could not be confirmed if these segments are part of the same line.
- One GPR anomaly was detected in the northeast corner of the AOI. The GPR indicated the top of a feature at approximately 4.5-4.5 feet deep.

- One GPR anomaly was detected south of the soil mound. The GPR suggested a surface approximately 1 to 2 feet deep; however, the proximity to the soil mound and the trench did not allow for further investigation of this feature.

Conclusion

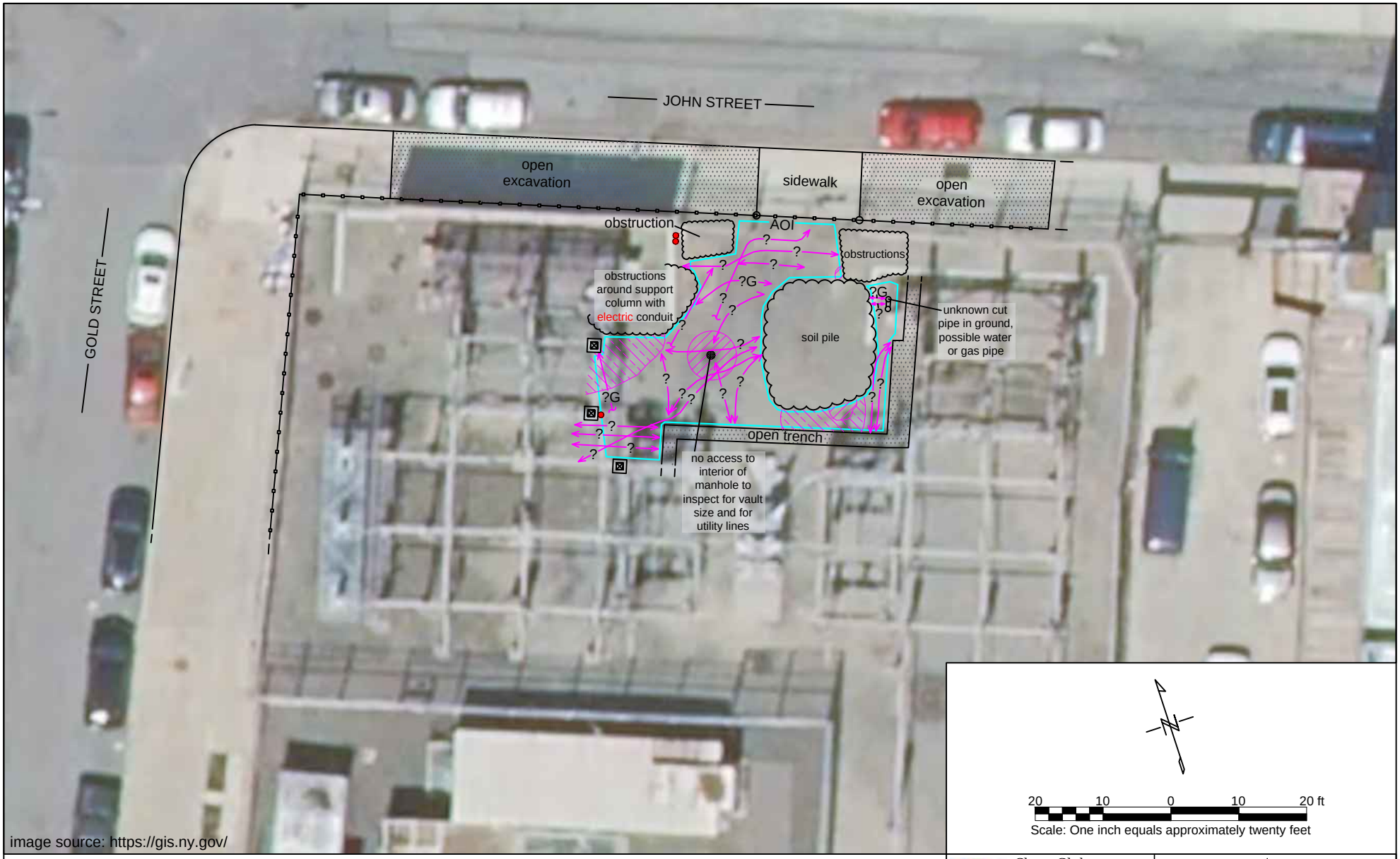
The results of this investigation were painted on the ground, described in this report, and shown in Figure 1 and Images 1-4. It should be noted that not all utilities and features are detectable, and the only way to confirm the identity of a detected feature is to expose it in a careful excavation. Appropriate safety measures should be taken will drilling or excavating in the vicinity of a marked or an unidentified feature.

Thank you for the opportunity to work on this project. If you have any questions or concerns, please contact me via email at kweyer@cg-env.com or via phone at (888) 454-5923 Ext. 700.

Sincerely,

Kelly A. Weyer
Geologist: Project Manager
Clean Globe Environmental LLC

Enclosed:
Figure 1. Results of a Geophysical Investigation.



20 10 0 10 20 ft

Scale: One inch equals approximately twenty feet

CGE LEGEND

- AOI — area of investigation (AOI)
- metal-detector (conductive) anomaly
- ground penetrating radar (GPR) anomaly
- ?— suspected electric line
- ?G — unknown line, only detected with the GPR
- arrow indicates line expected to continue
- End Of Information; tilda indicates suspected line not detectable beyond this point
- electric conduit
- manhole cover
- structure support columns

Clean Globe Environmental LLC (CGE)

Long Island
34 Cain Dr.
Brentwood, NY 11717

Rockland County
PO BOX 1895
New City, NY 10956

Phone: 888-454-5923, Ext 700

Client: Anchor QEA

Site Address: 194 John Street, Brooklyn NY

Date of Investigation: November 4, 2021

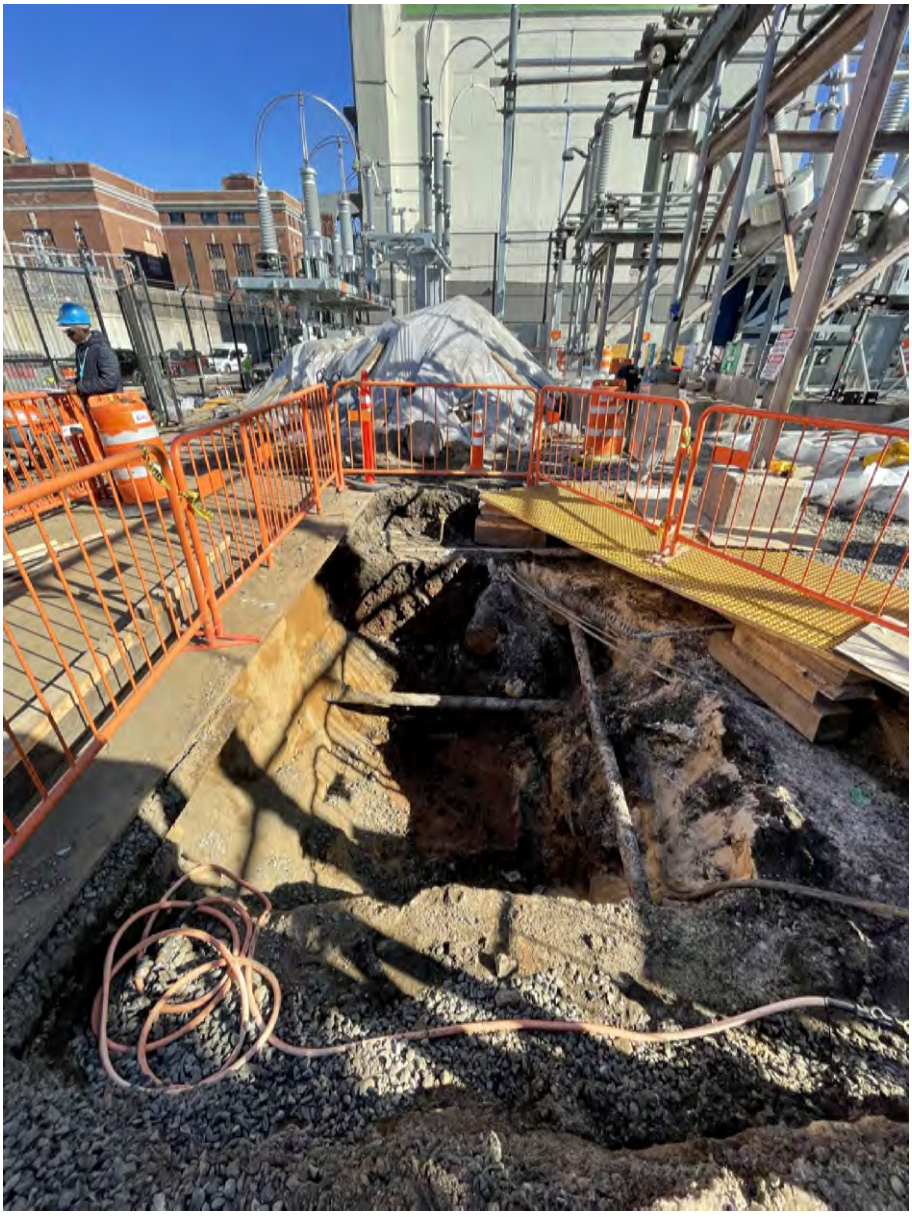
Please note:
-The orthoimage does not represent current conditions. This is not a survey quality map and locations of features should be considered approximate.
- It should be noted that not all utilities are detectable, and all possible precautions should be taken when performing intrusive work in this area.

Photograph Log

INSPECTOR'S PHOTOGRAPH LOG

PO NO.: NA
REPORT DATE: 1/26/2023
REPORT NO.: 1

ANCHOR QEA FIELD REP.: Scott Andrews
PROJECT NAME/LOCATION: Con Edison Hudson Ave East – Hg Site Characterization



Comment: Photograph showing excavation in the substation on February 11, 2022.

		REVIEWED BY: *(MPC/4/21/22)*
FIELD REP. SIGNATURE: Matt Cavas	DATE: 1/26/2023	Page 1 of 4

ANCHOR QEA

INSPECTOR'S PHOTOGRAPH LOG

PO NO.: NA
REPORT DATE: 1/26/2023
REPORT NO.: 1

ANCHOR QEA FIELD REP.: Scott Andrews
PROJECT NAME/LOCATION: Con Edison Hudson Ave East – Hg Site Characterization



Comment: Overview of hand augered exploratory holes dug on March 26, 2022 in substation.

		REVIEWED BY: *(MPC/4/21/22)*
FIELD REP. SIGNATURE: Matt Cavas	DATE: 1/26/2023	Page 2 of 4

INSPECTOR'S PHOTOGRAPH LOG

PO NO.: NA
REPORT DATE: 1/26/2023
REPORT NO.: 1

ANCHOR QEA FIELD REP.: Scott Andrews
PROJECT NAME/LOCATION: Con Edison Hudson Ave East – Hg Site Characterization



Comment: Photograph looking forwards front of substation showing a worker in proper PPE and a CAMP station on May 24, 2022.

		REVIEWED BY: *(MPC/4/21/22)*
FIELD REP. SIGNATURE: Matt Cavas	DATE: 1/26/2023	Page 3 of 4

ANCHOR QEA

INSPECTOR'S PHOTOGRAPH LOG

PO NO.: NA
REPORT DATE: 1/26/2023
REPORT NO.: 1

ANCHOR QEA FIELD REP.: Scott Andrews
PROJECT NAME/LOCATION: Con Edison Hudson Ave East – Hg Site Characterization



Comment: Photograph looking towards the front gate in a substation. GPRS and M scope lines are shown in red, and potential soil borings SB-07, SB-08, or SB-09 shown as white circles near the cones at the end of October 2022.

		REVIEWED BY: *(MPC/4/21/22)*
FIELD REP. SIGNATURE: Matt Cavas	DATE: 1/26/2023	Page 4 of 4

Appendix C
Field Investigation Laboratory Data

Laboratory Analytical Reports

March 22, 2022 Service Request No:R2201689

Jennifer Marsalla
Anchor QEA, LLC
1201 Third Avenue
Suite 2600
Seattle, WA 98101

Laboratory Results for: John Street

Dear Jennifer,

Enclosed are the results of the sample(s) submitted to our laboratory February 25, 2022
For your reference, these analyses have been assigned our service request number **R2201689.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7475. You may also contact me via email at Meghan.Pedro@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Meghan Pedro
Project Manager

CC: Labdata

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Anchor QEA, LLC
Project: John Street
Sample Matrix: Soil

Service Request: R2201689
Date Received: 02/25/2022

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

Eight soil samples were received for analysis at ALS Environmental on 02/25/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements. Due to a software issue, Metals detections do not appear on the sample detection summary.

Semivolatiles by GC/MS:

Method 8270D, 03/09/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8270D, 756883: The Method Reporting Limit (MRL) was elevated due to dark color in samples.

Method 8270D, 03/08/2022: The lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte. The Duplicate Laboratory Control Sample (LCSD) passed limits. There were no detections of the analyte (s) in the associated field samples. The analytes affected are flagged in the LCS Summary.

Semivoa GC:

Method 608 Modified, 03/16/2022: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV) on one detector. All analyte recoveries were acceptable on a secondary detector. Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

The RPD between the MS and the MSD was greater than the RPD limit. The percent recovery limit was met for both the MS and the MSD.

Metals:

Method 7471B, 03/14/2022: The control limits for matrix spike recovery of one or more of the spiked analytes are not applicable and have been flagged with a "#". The concentration of the analyte(s) in the parent sample is more than 4x the spike concentration. No further corrective action was required.

General Chemistry:

No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

Method 8260C, 03/01/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Approved by Meghan Pedro Date 03/22/2022

SAMPLE DETECTION SUMMARY

CLIENT ID: HAE-TP01-3FT-022422			Lab ID: R2201689-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	91.0				Percent	ALS SOP
1,2,4-Trimethylbenzene	0.55	J	0.21	5.1	ug/Kg	8260C
Acetone	25	J	16	26	ug/Kg	8260C
Benzene	0.24	J	0.21	5.1	ug/Kg	8260C
Diethyl Ether	0.29	J	0.26	5.1	ug/Kg	8260C
Tetrachloroethene (PCE)	0.26	J	0.24	5.1	ug/Kg	8260C
Anthracene	1500	J	630	3700	ug/Kg	8270D
Benz(a)anthracene	5000		560	3700	ug/Kg	8270D
Benzo(a)pyrene	5300		990	3700	ug/Kg	8270D
Benzo(b)fluoranthene	5400		620	3700	ug/Kg	8270D
Benzo(g,h,i)perylene	3100	J	860	3700	ug/Kg	8270D
Benzo(k)fluoranthene	1700	J	600	3700	ug/Kg	8270D
Chrysene	4900		550	3700	ug/Kg	8270D
Fluoranthene	11000		940	3700	ug/Kg	8270D
Indeno(1,2,3-cd)pyrene	3300	J	1200	3700	ug/Kg	8270D
Phenanthrene	6000		530	3700	ug/Kg	8270D
Pyrene	9700		620	3700	ug/Kg	8270D

CLIENT ID: HAE-TP01-5FT-022422			Lab ID: R2201689-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	92.4				Percent	ALS SOP
1,2,4-Trimethylbenzene	0.49	J	0.20	5.0	ug/Kg	8260C
1,3,5-Trimethylbenzene	0.20	J	0.20	5.0	ug/Kg	8260C
2-Butanone (MEK)	2.1	J	2.0	5.0	ug/Kg	8260C
Acetone	22	J	15	25	ug/Kg	8260C
Benzene	0.49	J	0.20	5.0	ug/Kg	8260C
Carbon Disulfide	0.32	J	0.29	5.0	ug/Kg	8260C
Acenaphthylene	1600	J	730	3600	ug/Kg	8270D
Anthracene	1400	J	610	3600	ug/Kg	8270D
Benz(a)anthracene	5100		540	3600	ug/Kg	8270D
Benzo(a)pyrene	7100		960	3600	ug/Kg	8270D
Benzo(b)fluoranthene	6700		610	3600	ug/Kg	8270D
Benzo(g,h,i)perylene	4700		830	3600	ug/Kg	8270D
Benzo(k)fluoranthene	2200	J	590	3600	ug/Kg	8270D
Carbazole	610	J	590	3600	ug/Kg	8270D
Chrysene	4800		530	3600	ug/Kg	8270D
Dibenz(a,h)anthracene	1100	J	790	3600	ug/Kg	8270D
Fluoranthene	9900		910	3600	ug/Kg	8270D
Indeno(1,2,3-cd)pyrene	5200		1200	3600	ug/Kg	8270D
Phenanthrene	5300		510	3600	ug/Kg	8270D
Pyrene	9200		600	3600	ug/Kg	8270D

SAMPLE DETECTION SUMMARY

CLIENT ID: HAE-TP2-5FT-022422			Lab ID: R2201689-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	91.1				Percent	ALS SOP
1,2,4-Trimethylbenzene	0.52	J	0.21	5.2	ug/Kg	8260C
2-Butanone (MEK)	3.0	J	2.1	5.2	ug/Kg	8260C
Acetone	110		16	26	ug/Kg	8260C
Xylenes, Total	2.2	J	0.54	15	ug/Kg	8260C
m,p-Xylenes	2.2	J	2.1	10	ug/Kg	8260C
Benz(a)anthracene	170	J	55	370	ug/Kg	8270D
Benzo(a)pyrene	210	J	98	370	ug/Kg	8270D
Benzo(b)fluoranthene	220	J	62	370	ug/Kg	8270D
Benzo(g,h,i)perylene	140	J	85	370	ug/Kg	8270D
Benzo(k)fluoranthene	80	J	60	370	ug/Kg	8270D
Chrysene	170	J	54	370	ug/Kg	8270D
Fluoranthene	300	J	92	370	ug/Kg	8270D
Indeno(1,2,3-cd)pyrene	130	J	120	370	ug/Kg	8270D
Phenanthrene	150	J	52	370	ug/Kg	8270D
Pyrene	300	J	61	370	ug/Kg	8270D

CLIENT ID: HAE-TP2-3FT-022422			Lab ID: R2201689-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	93.8				Percent	ALS SOP
1,2,4-Trimethylbenzene	0.56	J	0.21	5.1	ug/Kg	8260C
Xylenes, Total	2.4	J	0.53	15	ug/Kg	8260C
m,p-Xylenes	2.4	J	2.1	10	ug/Kg	8260C
Acenaphthylene	88	J	77	380	ug/Kg	8270D
Anthracene	84	J	64	380	ug/Kg	8270D
Benz(a)anthracene	300	J	57	380	ug/Kg	8270D
Benzo(a)pyrene	450		110	380	ug/Kg	8270D
Benzo(b)fluoranthene	410		64	380	ug/Kg	8270D
Benzo(g,h,i)perylene	330	J	88	380	ug/Kg	8270D
Benzo(k)fluoranthene	150	J	62	380	ug/Kg	8270D
Bis(2-ethylhexyl) Phthalate	75	J	70	580	ug/Kg	8270D
Chrysene	300	J	56	380	ug/Kg	8270D
Fluoranthene	600		96	380	ug/Kg	8270D
Indeno(1,2,3-cd)pyrene	300	J	130	380	ug/Kg	8270D
Phenanthrene	360	J	54	380	ug/Kg	8270D
Pyrene	560		64	380	ug/Kg	8270D

CLIENT ID: HAE-TP3-3FT-022422			Lab ID: R2201689-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	93.5				Percent	ALS SOP
1,2,4-Trimethylbenzene	0.39	J	0.20	5.0	ug/Kg	8260C
Diethyl Ether	0.42	J	0.25	5.0	ug/Kg	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: HAE-TP3-3FT-022422			Lab ID: R2201689-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Anthracene	170	J	130	770	ug/Kg	8270D
Benz(a)anthracene	1000		120	770	ug/Kg	8270D
Benzo(a)pyrene	1100		210	770	ug/Kg	8270D
Benzo(b)fluoranthene	1100		130	770	ug/Kg	8270D
Benzo(g,h,i)perylene	620	J	180	770	ug/Kg	8270D
Benzo(k)fluoranthene	400	J	130	770	ug/Kg	8270D
Chrysene	980		120	770	ug/Kg	8270D
Fluoranthene	1700		200	770	ug/Kg	8270D
Indeno(1,2,3-cd)pyrene	650	J	250	770	ug/Kg	8270D
Phenanthrene	740	J	110	770	ug/Kg	8270D
Pyrene	1900		130	770	ug/Kg	8270D

CLIENT ID: HAE-TP3-4FT-022422			Lab ID: R2201689-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	95.2				Percent	ALS SOP
1,2,4-Trimethylbenzene	0.31	J	0.23	5.6	ug/Kg	8260C
Acetone	35		17	28	ug/Kg	8260C
Benz(a)anthracene	220	J	110	740	ug/Kg	8270D
Benzo(a)pyrene	290	J	200	740	ug/Kg	8270D
Benzo(b)fluoranthene	270	J	130	740	ug/Kg	8270D
Chrysene	210	J	110	740	ug/Kg	8270D
Fluoranthene	370	J	190	740	ug/Kg	8270D
Phenanthrene	180	J	110	740	ug/Kg	8270D
Pyrene	390	J	130	740	ug/Kg	8270D

CLIENT ID: HAE-TP4-5FT-022422			Lab ID: R2201689-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	93.5				Percent	ALS SOP
1,2,4-Trimethylbenzene	0.27	J	0.22	5.5	ug/Kg	8260C
Diethyl Ether	0.60	J	0.28	5.5	ug/Kg	8260C
Acenaphthene	540	J	140	730	ug/Kg	8270D
Anthracene	520	J	130	730	ug/Kg	8270D
Benz(a)anthracene	1600		110	730	ug/Kg	8270D
Benzo(a)pyrene	2000		200	730	ug/Kg	8270D
Benzo(b)fluoranthene	2100		130	730	ug/Kg	8270D
Benzo(g,h,i)perylene	1100		170	730	ug/Kg	8270D
Benzo(k)fluoranthene	720	J	120	730	ug/Kg	8270D
Carbazole	300	J	120	730	ug/Kg	8270D
Chrysene	1600		110	730	ug/Kg	8270D
Dibenz(a,h)anthracene	260	J	160	730	ug/Kg	8270D
Dibenzofuran	160	J	140	730	ug/Kg	8270D
Fluoranthene	3300		190	730	ug/Kg	8270D

SAMPLE DETECTION SUMMARY

CLIENT ID: HAE-TP4-5FT-022422			Lab ID: R2201689-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Fluorene	250	J	140	730	ug/Kg	8270D
Indeno(1,2,3-cd)pyrene	1200		240	730	ug/Kg	8270D
Naphthalene	180	J	140	730	ug/Kg	8270D
Phenanthrene	2400		110	730	ug/Kg	8270D
Pyrene	3200		130	730	ug/Kg	8270D

CLIENT ID: HAE-TP4-3FT-022422			Lab ID: R2201689-008			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	94.4				Percent	ALS SOP
1,2,4-Trimethylbenzene	0.34	J	0.22	5.5	ug/Kg	8260C
Diethyl Ether	0.63	J	0.28	5.5	ug/Kg	8260C
Acenaphthylene	1600	J	380	1800	ug/Kg	8270D
Anthracene	740	J	310	1800	ug/Kg	8270D
Benz(a)anthracene	1600	J	280	1800	ug/Kg	8270D
Benzo(a)pyrene	2600		490	1800	ug/Kg	8270D
Benzo(b)fluoranthene	2600		310	1800	ug/Kg	8270D
Benzo(g,h,i)perylene	3100		430	1800	ug/Kg	8270D
Benzo(k)fluoranthene	840	J	300	1800	ug/Kg	8270D
Carbazole	390	J	300	1800	ug/Kg	8270D
Chrysene	1600	J	280	1800	ug/Kg	8270D
Dibenz(a,h)anthracene	560	J	400	1800	ug/Kg	8270D
Fluoranthene	3200		470	1800	ug/Kg	8270D
Fluorene	400	J	350	1800	ug/Kg	8270D
Indeno(1,2,3-cd)pyrene	2600		600	1800	ug/Kg	8270D
Naphthalene	500	J	350	1800	ug/Kg	8270D
Phenanthrene	2800		260	1800	ug/Kg	8270D
Pyrene	3000		310	1800	ug/Kg	8270D
Aroclor 1254	46			36	ug/Kg	8082A

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Anchor QEA, LLC **Service Request:**R2201689

Project: John Street/E10921-03.01

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2201689-001	HAE-TP01-3FT-022422	2/24/2022	1050
R2201689-002	HAE-TP01-5FT-022422	2/24/2022	1040
R2201689-003	HAE-TP2-5FT-022422	2/24/2022	1045
R2201689-004	HAE-TP2-3FT-022422	2/24/2022	1055
R2201689-005	HAE-TP3-3FT-022422	2/24/2022	1310
R2201689-006	HAE-TP3-4FT-022422	2/24/2022	1354
R2201689-007	HAE-TP4-5FT-022422	2/24/2022	1300
R2201689-008	HAE-TP4-3FT-022422	2/24/2022	1305

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM 55945

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF _____

Project Name: John Street	Project Number: E10921-03.01
Project Manager: Matt Cavey	Report CC: Jennifer Morella
Company/Address: Anchor QEA	
Phone #: 518-222-5486	Email: mcavey@anchorqea.com
Sampler's Signature: MC	Sampler's Printed Name: Matt Cavey

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 0 0 0 0

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs 8260 ○ 624 ○ CLP	GC/MS SVOAs 8270 ○ 625	GC VOAs ○ 8021 ○ 601/602	PESTICIDES ○ 8081 ○ 608	PCBs 8082 ○ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
HAE-TP01-3ft-022422		2/24/22	10:50	SO	3	1	1			1			
HAE-TP01-5ft-022422			10:40			1	1			1			
HAE-TP2-5ft-022422			10:45			1	1			1			
HAE-TP2-3ft-022422			10:55			1	1			1			
HAE-TP3-3ft-022422			13:10			1	1			1			
HAE-TP3-4ft-022422			13:54			1	1			1			
HAE-TP4-5ft-022422			13:00			1	1			1			
HAE-TP4-3ft-022422			13:05			1	1			1			

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals
target analyte list metals and mercury

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED: NY

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 1 day _____ 2 day _____ 3 day
_____ 4 day _____ 5 day
X Standard (10 business days-No Surcharge)
REQUESTED REPORT DATE: _____

REPORT REQUIREMENTS
_____ I. Results Only
_____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
_____ III. Results + QC and Calibration Summaries
_____ IV. Data Validation Report with Raw Data
Edata _____ Yes _____ No

INVOICE INFORMATION
PO #:
BILL TO:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: MC	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: Matt Cavey	Printed Name: Matthew Morley	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: Anchor QEA	Firm: ALS	Firm:	Firm:	Firm:	Firm:
Date/Time: 2/24/22 16:35	Date/Time: 2/25/22 10:50	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Distribution: White - Lab Copy; Yellow - Return to Originator

R2201689 5
Anchor QEA, LLC
John Street

R2201689 5
Anchor QEA, LLC
John Street

Cooler Receipt and Preservation Check Form

Project/Client Anchor QEA Folder Number

Cooler received on 2/25/22 by: MM

COURIER: ALS UPS (FEDEX) VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	(Y) N	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y N (NA)
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	(ALS/ROC) CLIENT
4	Circle: (**Wet Ice**) **Dry Ice Gel packs** present?	(Y) N	7	Soil VOA received as: Bulk Encore (5035set) NA	

8. Temperature Readings Date: 2/25/22 Time: 11:50 ID: IR#7 (IR#11) From: (Temp Blank) Sample Bottle

Observed Temp (°C)	5.1						
Within 0-6°C?	(Y) N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: Floor by MM on 2/25/22 at 12:00

5035 samples placed in storage location: F9 by MM on 2/25/22 at 12:05 within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 2/28/22 Time: 0928 by: ME

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? YES (NO)
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**						

Bottle lot numbers: 041921-1BNS

Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: ME

PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Anchor QEA, LLC **Service Request:** R2201689
Project: John Street/E10921-03.01

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2201689-001.01					
	8270D,8082A				
		2/28/2022	0928	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	
		3/3/2022	1150	In Lab / JBOEDICKER	
		3/4/2022	1514	R-002 / JBOEDICKER	
R2201689-001.05					
	7471B,6010C				
		2/28/2022	0931	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	
		3/1/2022	1018	In Lab / BDIAMOND	
		3/1/2022	1135	R-A01 / BDIAMOND	
R2201689-001.06					
	ALS SOP				
		2/28/2022	0932	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	
R2201689-001.07					
	8260C				
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	
		3/1/2022	1341	In Lab / FNAEGLER	
		3/1/2022	1345	F-09 / FNAEGLER	
R2201689-001.08					
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	
R2201689-001.09					
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	
R2201689-002.01					
	8270D,8082A				
		2/28/2022	0928	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	
		3/3/2022	1150	In Lab / JBOEDICKER	
		3/4/2022	1514	R-002 / JBOEDICKER	
R2201689-002.05					
	7471B,6010C				
		2/28/2022	0931	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Anchor QEA, LLC **Service Request:** R2201689
Project: John Street/E10921-03.01

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	7471B,6010C				
		3/1/2022	1019	In Lab / BDIAMOND	
		3/1/2022	1135	R-A01 / BDIAMOND	
R2201689-002.06					
	ALS SOP				
		2/28/2022	0932	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	
R2201689-002.07					
	8260C				
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	
		3/1/2022	1341	In Lab / FNAEGLER	
		3/1/2022	1345	F-09 / FNAEGLER	
R2201689-002.08					
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	
R2201689-002.09					
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	
R2201689-003.01					
	8270D,8082A				
		2/28/2022	0928	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	
		3/3/2022	1150	In Lab / JBOEDICKER	
		3/4/2022	1513	R-002 / JBOEDICKER	
R2201689-003.05					
	6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,7471B,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C				
		2/28/2022	0931	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	
		3/1/2022	1019	In Lab / BDIAMOND	
		3/1/2022	1135	R-A01 / BDIAMOND	
R2201689-003.06					
	ALS SOP				
		2/28/2022	0932	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	
R2201689-003.07					

Client: Anchor QEA, LLC **Service Request:** R2201689
Project: John Street/E10921-03.01

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8260C				
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	
		3/1/2022	1341	In Lab / FNAEGLER	
		3/1/2022	1345	F-09 / FNAEGLER	
R2201689-003.08					
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	
R2201689-003.09					
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	
R2201689-004.01					
	8270D,8082A				
		2/28/2022	0928	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	
		3/3/2022	1150	In Lab / JBOEDICKER	
		3/4/2022	1514	R-002 / JBOEDICKER	
R2201689-004.05					
	7471B,6010C				
		2/28/2022	0931	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	
		3/1/2022	1019	In Lab / BDIAMOND	
		3/1/2022	1135	R-A01 / BDIAMOND	
R2201689-004.06					
	ALS SOP				
		2/28/2022	0932	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	
R2201689-004.07					
	8260C				
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	
		3/1/2022	1341	In Lab / FNAEGLER	
		3/1/2022	1345	F-09 / FNAEGLER	
R2201689-004.08					
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	
R2201689-004.09					

Client: Anchor QEA, LLC **Service Request:** R2201689
Project: John Street/E10921-03.01

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	
R2201689-005.01					
	8270D,8082A				
		2/28/2022	0928	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	
		3/3/2022	1150	In Lab / JBOEDICKER	
		3/4/2022	1513	R-002 / JBOEDICKER	
R2201689-005.05					
	7471B,6010C				
		2/28/2022	0931	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	
		3/1/2022	1019	In Lab / BDIAMOND	
		3/1/2022	1136	R-A01 / BDIAMOND	
R2201689-005.06					
	ALS SOP				
		2/28/2022	0932	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	
R2201689-005.07					
	8260C				
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	
		3/1/2022	1341	In Lab / FNAEGLER	
		3/1/2022	1345	F-09 / FNAEGLER	
R2201689-005.08					
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	
R2201689-005.09					
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	
R2201689-006.01					
	8270D,8082A				
		2/28/2022	0928	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	
		3/3/2022	1149	In Lab / JBOEDICKER	
		3/4/2022	1513	R-002 / JBOEDICKER	
R2201689-006.05					

Client: Anchor QEA, LLC **Service Request:** R2201689
Project: John Street/E10921-03.01

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	7471B,6010C				
		2/28/2022	0931	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	
		3/1/2022	1019	In Lab / BDIAMOND	
		3/1/2022	1136	R-A01 / BDIAMOND	
R2201689-006.06					
	ALS SOP				
		2/28/2022	0932	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	
R2201689-006.07					
	8260C				
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	
		3/1/2022	1342	In Lab / FNAEGLER	
		3/1/2022	1345	F-09 / FNAEGLER	
R2201689-006.08					
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	
R2201689-006.09					
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	
R2201689-007.01					
	8270D,8082A				
		2/28/2022	0928	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	
		3/3/2022	1150	In Lab / JBOEDICKER	
		3/4/2022	1513	R-002 / JBOEDICKER	
R2201689-007.05					
	7471B,6010C				
		2/28/2022	0931	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	
		3/1/2022	1019	In Lab / BDIAMOND	
		3/1/2022	1136	R-A01 / BDIAMOND	
R2201689-007.06					
	ALS SOP				
		2/28/2022	0932	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	

Internal Chain of Custody Report

Client: Anchor QEA, LLC **Service Request:** R2201689
Project: John Street/E10921-03.01

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2201689-007.07					
	8260C				
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	
		3/1/2022	1342	In Lab / FNAEGLER	
		3/1/2022	1345	F-09 / FNAEGLER	
R2201689-007.08					
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	
R2201689-007.09					
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	
R2201689-008.01					
	8270D,8082A				
		2/28/2022	0928	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	
		3/3/2022	1150	In Lab / JBOEDICKER	
		3/4/2022	1513	R-002 / JBOEDICKER	
R2201689-008.05					
	7471B,6010C				
		2/28/2022	0931	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	
		3/1/2022	1019	In Lab / BDIAMOND	
		3/1/2022	1137	R-A01 / BDIAMOND	
R2201689-008.06					
	ALS SOP				
		2/28/2022	0932	SMO / GESMERIAN	
		2/28/2022	0934	R-002 / GESMERIAN	
R2201689-008.07					
	8260C				
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	
		3/1/2022	1342	In Lab / FNAEGLER	
		3/1/2022	1345	F-09 / FNAEGLER	
R2201689-008.08					
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Anchor QEA, LLC **Service Request:** R2201689
Project: John Street/E10921-03.01

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2201689-008.09					
		2/28/2022	0933	SMO / GESMERIAN	
		2/28/2022	0934	F-09 / GESMERIAN	

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.

J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.

Spike was diluted out.

+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).

X See Case Narrative for discussion.

MRL Method Reporting Limit. Also known as:
LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.

MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).

LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.

ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Anchor QEA, LLC **Service Request:** R2201689
Project: John Street/E10921-03.01

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
ALS SOP	Soil	Total Solids

Client: Anchor QEA, LLC **Service Request:** R2201689
Project: John Street/E10921-03.01

Sample Name: HAE-TP01-3FT-022422 **Date Collected:** 02/24/22
Lab Code: R2201689-001 **Date Received:** 02/25/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN
7471B	BDIAMOND	BDIAMOND
8082A	JBOEDICKER	AFELSER
8260C		FNAEGLER
8270D	AMOSES	AMOSES
ALS SOP		KAWONG

Sample Name: HAE-TP01-5FT-022422 **Date Collected:** 02/24/22
Lab Code: R2201689-002 **Date Received:** 02/25/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN
7471B	BDIAMOND	BDIAMOND
8082A	JBOEDICKER	AFELSER
8260C		FNAEGLER
8270D	AMOSES	AMOSES
ALS SOP		KAWONG

Sample Name: HAE-TP2-5FT-022422 **Date Collected:** 02/24/22
Lab Code: R2201689-003 **Date Received:** 02/25/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN
7471B	BDIAMOND	BDIAMOND
8082A	JBOEDICKER	AFELSER
8260C		FNAEGLER
8270D	AMOSES	AMOSES
ALS SOP		KAWONG

Client: Anchor QEA, LLC **Service Request:** R2201689
Project: John Street/E10921-03.01

Sample Name: HAE-TP2-3FT-022422 **Date Collected:** 02/24/22
Lab Code: R2201689-004 **Date Received:** 02/25/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN
7471B	BDIAMOND	BDIAMOND
8082A	JBOEDICKER	AFELSER
8260C		FNAEGLER
8270D	AMOSES	AMOSES
ALS SOP		KAWONG

Sample Name: HAE-TP3-3FT-022422 **Date Collected:** 02/24/22
Lab Code: R2201689-005 **Date Received:** 02/25/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN
7471B	BDIAMOND	BDIAMOND
8082A	JBOEDICKER	AFELSER
8260C		FNAEGLER
8270D	AMOSES	AMOSES
ALS SOP		KAWONG

Sample Name: HAE-TP3-4FT-022422 **Date Collected:** 02/24/22
Lab Code: R2201689-006 **Date Received:** 02/25/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN
7471B	BDIAMOND	BDIAMOND
8082A	JBOEDICKER	AFELSER
8260C		FNAEGLER
8270D	AMOSES	AMOSES
ALS SOP		KAWONG

Client: Anchor QEA, LLC **Service Request:** R2201689
Project: John Street/E10921-03.01

Sample Name: HAE-TP4-5FT-022422 **Date Collected:** 02/24/22
Lab Code: R2201689-007 **Date Received:** 02/25/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN
7471B	BDIAMOND	BDIAMOND
8082A	JBOEDICKER	AFELSER
8260C		FNAEGLER
8270D	AMOSES	AMOSES
ALS SOP		KAWONG

Sample Name: HAE-TP4-3FT-022422 **Date Collected:** 02/24/22
Lab Code: R2201689-008 **Date Received:** 02/25/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN
7471B	BDIAMOND	BDIAMOND
8082A	JBOEDICKER	BALLGEIER
8260C		FNAEGLER
8270D	AMOSES	AMOSES
ALS SOP		KAWONG

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
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Volatile Organic Compounds by GC/MS

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www.alsglobal.com

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:50
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP01-3FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-001	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.21 U	5.1	0.21	.93	03/01/22 14:05	
1,1,1-Trichloroethane (TCA)	0.21 U	5.1	0.21	.93	03/01/22 14:05	
1,1,2,2-Tetrachloroethane	0.45 U	5.1	0.45	.93	03/01/22 14:05	
1,1,2-Trichloroethane	0.21 U	5.1	0.21	.93	03/01/22 14:05	
1,1-Dichloroethane (1,1-DCA)	0.21 U	5.1	0.21	.93	03/01/22 14:05	
1,1-Dichloroethene (1,1-DCE)	0.30 U	5.1	0.30	.93	03/01/22 14:05	
1,1-Dichloropropene	0.21 U	5.1	0.21	.93	03/01/22 14:05	
1,2,3-Trichlorobenzene	0.54 U	5.1	0.54	.93	03/01/22 14:05	
1,2,3-Trichloropropane	0.21 U	5.1	0.21	.93	03/01/22 14:05	
1,2,4-Trichlorobenzene	0.43 U	5.1	0.43	.93	03/01/22 14:05	
1,2,4-Trimethylbenzene	**0.55 J**	5.1	0.21	.93	03/01/22 14:05	
1,2-Dibromo-3-chloropropane (DBCP)	0.77 U	5.1	0.77	.93	03/01/22 14:05	
1,2-Dibromoethane	0.21 U	5.1	0.21	.93	03/01/22 14:05	
1,2-Dichlorobenzene	0.21 U	5.1	0.21	.93	03/01/22 14:05	
1,2-Dichloroethane	0.21 U	5.1	0.21	.93	03/01/22 14:05	
1,2-Dichloropropane	0.21 U	5.1	0.21	.93	03/01/22 14:05	
1,3,5-Trimethylbenzene	0.21 U	5.1	0.21	.93	03/01/22 14:05	
1,3-Dichlorobenzene	0.21 U	5.1	0.21	.93	03/01/22 14:05	
1,3-Dichloropropane	0.21 U	5.1	0.21	.93	03/01/22 14:05	
1,4-Dichlorobenzene	0.23 U	5.1	0.23	.93	03/01/22 14:05	
1,4-Dioxane	21 U	100	21	.93	03/01/22 14:05	
2,2-Dichloropropane	0.21 U	5.1	0.21	.93	03/01/22 14:05	
2-Butanone (MEK)	2.1 U	5.1	2.1	.93	03/01/22 14:05	
2-Chlorotoluene	0.21 U	5.1	0.21	.93	03/01/22 14:05	
2-Hexanone	0.37 U	5.1	0.37	.93	03/01/22 14:05	
4-Chlorotoluene	0.21 U	5.1	0.21	.93	03/01/22 14:05	
4-Isopropyltoluene	0.21 U	5.1	0.21	.93	03/01/22 14:05	
4-Methyl-2-pentanone	0.24 U	5.1	0.24	.93	03/01/22 14:05	
Acetone	**25 J**	26	16	.93	03/01/22 14:05	
Acrylonitrile	0.91 U	26	0.91	.93	03/01/22 14:05	
Benzene	**0.24 J**	5.1	0.21	.93	03/01/22 14:05	
Bromobenzene	0.21 U	5.1	0.21	.93	03/01/22 14:05	
Bromochloromethane	0.21 U	5.1	0.21	.93	03/01/22 14:05	
Bromodichloromethane	0.21 U	5.1	0.21	.93	03/01/22 14:05	
Bromoform	0.52 U	5.1	0.52	.93	03/01/22 14:05	
Bromomethane	2.2 U	5.1	2.2	.93	03/01/22 14:05	
Carbon Disulfide	0.30 U	5.1	0.30	.93	03/01/22 14:05	
Carbon Tetrachloride	0.27 U	5.1	0.27	.93	03/01/22 14:05	
Chlorobenzene	0.21 U	5.1	0.21	.93	03/01/22 14:05	
Chloroethane	0.42 U	5.1	0.42	.93	03/01/22 14:05	
Chloroform	0.21 U	5.1	0.21	.93	03/01/22 14:05	
Chloromethane	1.5 U	5.1	1.5	.93	03/01/22 14:05	
Dibromochloromethane	0.21 U	5.1	0.21	.93	03/01/22 14:05	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:50
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP01-3FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-001	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.21 U	5.1	0.21	.93	03/01/22 14:05	
Dichlorodifluoromethane (CFC 12)	0.34 U	5.1	0.34	.93	03/01/22 14:05	
Methylene Chloride	2.9 U	5.1	2.9	.93	03/01/22 14:05	
Diethyl Ether	**0.29 J**	5.1	0.26	.93	03/01/22 14:05	
Ethylbenzene	1.1 U	5.1	1.1	.93	03/01/22 14:05	
Hexachlorobutadiene	0.49 U	5.1	0.49	.93	03/01/22 14:05	
Isopropylbenzene (Cumene)	0.21 U	5.1	0.21	.93	03/01/22 14:05	
Methyl tert-Butyl Ether	0.21 U	5.1	0.21	.93	03/01/22 14:05	
Naphthalene	1.1 U	5.1	1.1	.93	03/01/22 14:05	
Styrene	1.1 U	5.1	1.1	.93	03/01/22 14:05	
Tetrachloroethene (PCE)	**0.26 J**	5.1	0.24	.93	03/01/22 14:05	
Toluene	2.1 U	5.1	2.1	.93	03/01/22 14:05	
Trichloroethene (TCE)	0.23 U	5.1	0.23	.93	03/01/22 14:05	
Trichlorofluoromethane (CFC 11)	0.27 U	5.1	0.27	.93	03/01/22 14:05	
Vinyl Acetate	0.80 U	10	0.80	.93	03/01/22 14:05	
Vinyl Chloride	0.48 U	5.1	0.48	.93	03/01/22 14:05	
Xylenes, Total	0.54 U	15	0.54	.93	03/01/22 14:05	
cis-1,2-Dichloroethene	0.21 U	5.1	0.21	.93	03/01/22 14:05	
cis-1,3-Dichloropropene	0.21 U	5.1	0.21	.93	03/01/22 14:05	
m,p-Xylenes	2.1 U	10	2.1	.93	03/01/22 14:05	
n-Butylbenzene	0.21 U	5.1	0.21	.93	03/01/22 14:05	
n-Propylbenzene	0.21 U	5.1	0.21	.93	03/01/22 14:05	
o-Xylene	1.1 U	5.1	1.1	.93	03/01/22 14:05	
sec-Butylbenzene	0.21 U	5.1	0.21	.93	03/01/22 14:05	
tert-Butylbenzene	0.21 U	5.1	0.21	.93	03/01/22 14:05	
trans-1,2-Dichloroethene	0.21 U	5.1	0.21	.93	03/01/22 14:05	
trans-1,3-Dichloropropene	0.21 U	5.1	0.21	.93	03/01/22 14:05	
trans-1,4-Dichloro-2-butene	0.23 U	5.1	0.23	.93	03/01/22 14:05	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	77	31 - 154	03/01/22 14:05	
Dibromofluoromethane	102	63 - 138	03/01/22 14:05	
Toluene-d8	98	66 - 138	03/01/22 14:05	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:40
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP01-5FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-002	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	5.0	0.20	.92	03/01/22 14:28	
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	.92	03/01/22 14:28	
1,1,2,2-Tetrachloroethane	0.44 U	5.0	0.44	.92	03/01/22 14:28	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	.92	03/01/22 14:28	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	.92	03/01/22 14:28	
1,1-Dichloroethene (1,1-DCE)	0.29 U	5.0	0.29	.92	03/01/22 14:28	
1,1-Dichloropropene	0.20 U	5.0	0.20	.92	03/01/22 14:28	
1,2,3-Trichlorobenzene	0.52 U	5.0	0.52	.92	03/01/22 14:28	
1,2,3-Trichloropropane	0.20 U	5.0	0.20	.92	03/01/22 14:28	
1,2,4-Trichlorobenzene	0.42 U	5.0	0.42	.92	03/01/22 14:28	
1,2,4-Trimethylbenzene	**0.49 J**	5.0	0.20	.92	03/01/22 14:28	
1,2-Dibromo-3-chloropropane (DBCP)	0.75 U	5.0	0.75	.92	03/01/22 14:28	
1,2-Dibromoethane	0.20 U	5.0	0.20	.92	03/01/22 14:28	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	.92	03/01/22 14:28	
1,2-Dichloroethane	0.20 U	5.0	0.20	.92	03/01/22 14:28	
1,2-Dichloropropane	0.20 U	5.0	0.20	.92	03/01/22 14:28	
1,3,5-Trimethylbenzene	**0.20 J**	5.0	0.20	.92	03/01/22 14:28	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	.92	03/01/22 14:28	
1,3-Dichloropropane	0.20 U	5.0	0.20	.92	03/01/22 14:28	
1,4-Dichlorobenzene	0.22 U	5.0	0.22	.92	03/01/22 14:28	
1,4-Dioxane	20 U	100	20	.92	03/01/22 14:28	
2,2-Dichloropropane	0.20 U	5.0	0.20	.92	03/01/22 14:28	
2-Butanone (MEK)	**2.1 J**	5.0	2.0	.92	03/01/22 14:28	
2-Chlorotoluene	0.20 U	5.0	0.20	.92	03/01/22 14:28	
2-Hexanone	0.36 U	5.0	0.36	.92	03/01/22 14:28	
4-Chlorotoluene	0.20 U	5.0	0.20	.92	03/01/22 14:28	
4-Isopropyltoluene	0.20 U	5.0	0.20	.92	03/01/22 14:28	
4-Methyl-2-pentanone	0.23 U	5.0	0.23	.92	03/01/22 14:28	
Acetone	**22 J**	25	15	.92	03/01/22 14:28	
Acrylonitrile	0.89 U	25	0.89	.92	03/01/22 14:28	
Benzene	**0.49 J**	5.0	0.20	.92	03/01/22 14:28	
Bromobenzene	0.20 U	5.0	0.20	.92	03/01/22 14:28	
Bromochloromethane	0.20 U	5.0	0.20	.92	03/01/22 14:28	
Bromodichloromethane	0.20 U	5.0	0.20	.92	03/01/22 14:28	
Bromoform	0.50 U	5.0	0.50	.92	03/01/22 14:28	
Bromomethane	2.1 U	5.0	2.1	.92	03/01/22 14:28	
Carbon Disulfide	**0.32 J**	5.0	0.29	.92	03/01/22 14:28	
Carbon Tetrachloride	0.26 U	5.0	0.26	.92	03/01/22 14:28	
Chlorobenzene	0.20 U	5.0	0.20	.92	03/01/22 14:28	
Chloroethane	0.41 U	5.0	0.41	.92	03/01/22 14:28	
Chloroform	0.20 U	5.0	0.20	.92	03/01/22 14:28	
Chloromethane	1.4 U	5.0	1.4	.92	03/01/22 14:28	
Dibromochloromethane	0.20 U	5.0	0.20	.92	03/01/22 14:28	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:40
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP01-5FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-002	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.20 U	5.0	0.20	.92	03/01/22 14:28	
Dichlorodifluoromethane (CFC 12)	0.33 U	5.0	0.33	.92	03/01/22 14:28	
Methylene Chloride	2.8 U	5.0	2.8	.92	03/01/22 14:28	
Diethyl Ether	0.25 U	5.0	0.25	.92	03/01/22 14:28	
Ethylbenzene	1.0 U	5.0	1.0	.92	03/01/22 14:28	
Hexachlorobutadiene	0.47 U	5.0	0.47	.92	03/01/22 14:28	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	.92	03/01/22 14:28	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	.92	03/01/22 14:28	
Naphthalene	0.99 U	5.0	0.99	.92	03/01/22 14:28	
Styrene	1.0 U	5.0	1.0	.92	03/01/22 14:28	
Tetrachloroethene (PCE)	0.23 U	5.0	0.23	.92	03/01/22 14:28	
Toluene	2.0 U	5.0	2.0	.92	03/01/22 14:28	
Trichloroethene (TCE)	0.22 U	5.0	0.22	.92	03/01/22 14:28	
Trichlorofluoromethane (CFC 11)	0.26 U	5.0	0.26	.92	03/01/22 14:28	
Vinyl Acetate	0.78 U	10	0.78	.92	03/01/22 14:28	
Vinyl Chloride	0.46 U	5.0	0.46	.92	03/01/22 14:28	
Xylenes, Total	0.52 U	15	0.52	.92	03/01/22 14:28	
cis-1,2-Dichloroethene	0.20 U	5.0	0.20	.92	03/01/22 14:28	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	.92	03/01/22 14:28	
m,p-Xylenes	2.0 U	10	2.0	.92	03/01/22 14:28	
n-Butylbenzene	0.20 U	5.0	0.20	.92	03/01/22 14:28	
n-Propylbenzene	0.20 U	5.0	0.20	.92	03/01/22 14:28	
o-Xylene	1.0 U	5.0	1.0	.92	03/01/22 14:28	
sec-Butylbenzene	0.20 U	5.0	0.20	.92	03/01/22 14:28	
tert-Butylbenzene	0.20 U	5.0	0.20	.92	03/01/22 14:28	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	.92	03/01/22 14:28	
trans-1,3-Dichloropropene	0.20 U	5.0	0.20	.92	03/01/22 14:28	
trans-1,4-Dichloro-2-butene	0.22 U	5.0	0.22	.92	03/01/22 14:28	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	76	31 - 154	03/01/22 14:28	
Dibromofluoromethane	102	63 - 138	03/01/22 14:28	
Toluene-d8	100	66 - 138	03/01/22 14:28	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:45
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP2-5FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-003	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.21 U	5.2	0.21	.94	03/01/22 14:51	
1,1,1-Trichloroethane (TCA)	0.21 U	5.2	0.21	.94	03/01/22 14:51	
1,1,2,2-Tetrachloroethane	0.46 U	5.2	0.46	.94	03/01/22 14:51	
1,1,2-Trichloroethane	0.21 U	5.2	0.21	.94	03/01/22 14:51	
1,1-Dichloroethane (1,1-DCA)	0.21 U	5.2	0.21	.94	03/01/22 14:51	
1,1-Dichloroethene (1,1-DCE)	0.30 U	5.2	0.30	.94	03/01/22 14:51	
1,1-Dichloropropene	0.21 U	5.2	0.21	.94	03/01/22 14:51	
1,2,3-Trichlorobenzene	0.54 U	5.2	0.54	.94	03/01/22 14:51	
1,2,3-Trichloropropane	0.21 U	5.2	0.21	.94	03/01/22 14:51	
1,2,4-Trichlorobenzene	0.44 U	5.2	0.44	.94	03/01/22 14:51	
1,2,4-Trimethylbenzene	**0.52 J**	5.2	0.21	.94	03/01/22 14:51	
1,2-Dibromo-3-chloropropane (DBCP)	0.78 U	5.2	0.78	.94	03/01/22 14:51	
1,2-Dibromoethane	0.21 U	5.2	0.21	.94	03/01/22 14:51	
1,2-Dichlorobenzene	0.21 U	5.2	0.21	.94	03/01/22 14:51	
1,2-Dichloroethane	0.21 U	5.2	0.21	.94	03/01/22 14:51	
1,2-Dichloropropane	0.21 U	5.2	0.21	.94	03/01/22 14:51	
1,3,5-Trimethylbenzene	0.21 U	5.2	0.21	.94	03/01/22 14:51	
1,3-Dichlorobenzene	0.21 U	5.2	0.21	.94	03/01/22 14:51	
1,3-Dichloropropane	0.21 U	5.2	0.21	.94	03/01/22 14:51	
1,4-Dichlorobenzene	0.23 U	5.2	0.23	.94	03/01/22 14:51	
1,4-Dioxane	21 U	100	21	.94	03/01/22 14:51	
2,2-Dichloropropane	0.21 U	5.2	0.21	.94	03/01/22 14:51	
2-Butanone (MEK)	**3.0 J**	5.2	2.1	.94	03/01/22 14:51	
2-Chlorotoluene	0.21 U	5.2	0.21	.94	03/01/22 14:51	
2-Hexanone	0.38 U	5.2	0.38	.94	03/01/22 14:51	
4-Chlorotoluene	0.21 U	5.2	0.21	.94	03/01/22 14:51	
4-Isopropyltoluene	0.21 U	5.2	0.21	.94	03/01/22 14:51	
4-Methyl-2-pentanone	0.24 U	5.2	0.24	.94	03/01/22 14:51	
Acetone	**110**	26	16	.94	03/01/22 14:51	
Acrylonitrile	0.92 U	26	0.92	.94	03/01/22 14:51	
Benzene	0.21 U	5.2	0.21	.94	03/01/22 14:51	
Bromobenzene	0.21 U	5.2	0.21	.94	03/01/22 14:51	
Bromochloromethane	0.21 U	5.2	0.21	.94	03/01/22 14:51	
Bromodichloromethane	0.21 U	5.2	0.21	.94	03/01/22 14:51	
Bromoform	0.52 U	5.2	0.52	.94	03/01/22 14:51	
Bromomethane	2.2 U	5.2	2.2	.94	03/01/22 14:51	
Carbon Disulfide	0.30 U	5.2	0.30	.94	03/01/22 14:51	
Carbon Tetrachloride	0.27 U	5.2	0.27	.94	03/01/22 14:51	
Chlorobenzene	0.21 U	5.2	0.21	.94	03/01/22 14:51	
Chloroethane	0.43 U	5.2	0.43	.94	03/01/22 14:51	
Chloroform	0.21 U	5.2	0.21	.94	03/01/22 14:51	
Chloromethane	1.5 U	5.2	1.5	.94	03/01/22 14:51	
Dibromochloromethane	0.21 U	5.2	0.21	.94	03/01/22 14:51	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:45
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP2-5FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-003	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.21 U	5.2	0.21	.94	03/01/22 14:51	
Dichlorodifluoromethane (CFC 12)	0.35 U	5.2	0.35	.94	03/01/22 14:51	
Methylene Chloride	2.9 U	5.2	2.9	.94	03/01/22 14:51	
Diethyl Ether	0.26 U	5.2	0.26	.94	03/01/22 14:51	
Ethylbenzene	1.1 U	5.2	1.1	.94	03/01/22 14:51	
Hexachlorobutadiene	0.49 U	5.2	0.49	.94	03/01/22 14:51	
Isopropylbenzene (Cumene)	0.21 U	5.2	0.21	.94	03/01/22 14:51	
Methyl tert-Butyl Ether	0.21 U	5.2	0.21	.94	03/01/22 14:51	
Naphthalene	1.1 U	5.2	1.1	.94	03/01/22 14:51	
Styrene	1.1 U	5.2	1.1	.94	03/01/22 14:51	
Tetrachloroethene (PCE)	0.24 U	5.2	0.24	.94	03/01/22 14:51	
Toluene	2.1 U	5.2	2.1	.94	03/01/22 14:51	
Trichloroethene (TCE)	0.23 U	5.2	0.23	.94	03/01/22 14:51	
Trichlorofluoromethane (CFC 11)	0.27 U	5.2	0.27	.94	03/01/22 14:51	
Vinyl Acetate	0.81 U	10	0.81	.94	03/01/22 14:51	
Vinyl Chloride	0.48 U	5.2	0.48	.94	03/01/22 14:51	
Xylenes, Total	**2.2 J**	15	0.54	.94	03/01/22 14:51	
cis-1,2-Dichloroethene	0.21 U	5.2	0.21	.94	03/01/22 14:51	
cis-1,3-Dichloropropene	0.21 U	5.2	0.21	.94	03/01/22 14:51	
m,p-Xylenes	**2.2 J**	10	2.1	.94	03/01/22 14:51	
n-Butylbenzene	0.21 U	5.2	0.21	.94	03/01/22 14:51	
n-Propylbenzene	0.21 U	5.2	0.21	.94	03/01/22 14:51	
o-Xylene	1.1 U	5.2	1.1	.94	03/01/22 14:51	
sec-Butylbenzene	0.21 U	5.2	0.21	.94	03/01/22 14:51	
tert-Butylbenzene	0.21 U	5.2	0.21	.94	03/01/22 14:51	
trans-1,2-Dichloroethene	0.21 U	5.2	0.21	.94	03/01/22 14:51	
trans-1,3-Dichloropropene	0.21 U	5.2	0.21	.94	03/01/22 14:51	
trans-1,4-Dichloro-2-butene	0.23 U	5.2	0.23	.94	03/01/22 14:51	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	31 - 154	03/01/22 14:51	
Dibromofluoromethane	101	63 - 138	03/01/22 14:51	
Toluene-d8	102	66 - 138	03/01/22 14:51	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:55
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP2-3FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-004	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.21 U	5.1	0.21	.95	03/01/22 15:14	
1,1,1-Trichloroethane (TCA)	0.21 U	5.1	0.21	.95	03/01/22 15:14	
1,1,2,2-Tetrachloroethane	0.45 U	5.1	0.45	.95	03/01/22 15:14	
1,1,2-Trichloroethane	0.21 U	5.1	0.21	.95	03/01/22 15:14	
1,1-Dichloroethane (1,1-DCA)	0.21 U	5.1	0.21	.95	03/01/22 15:14	
1,1-Dichloroethene (1,1-DCE)	0.30 U	5.1	0.30	.95	03/01/22 15:14	
1,1-Dichloropropene	0.21 U	5.1	0.21	.95	03/01/22 15:14	
1,2,3-Trichlorobenzene	0.53 U	5.1	0.53	.95	03/01/22 15:14	
1,2,3-Trichloropropane	0.21 U	5.1	0.21	.95	03/01/22 15:14	
1,2,4-Trichlorobenzene	0.43 U	5.1	0.43	.95	03/01/22 15:14	
1,2,4-Trimethylbenzene	**0.56 J**	5.1	0.21	.95	03/01/22 15:14	
1,2-Dibromo-3-chloropropane (DBCP)	0.76 U	5.1	0.76	.95	03/01/22 15:14	
1,2-Dibromoethane	0.21 U	5.1	0.21	.95	03/01/22 15:14	
1,2-Dichlorobenzene	0.21 U	5.1	0.21	.95	03/01/22 15:14	
1,2-Dichloroethane	0.21 U	5.1	0.21	.95	03/01/22 15:14	
1,2-Dichloropropane	0.21 U	5.1	0.21	.95	03/01/22 15:14	
1,3,5-Trimethylbenzene	0.21 U	5.1	0.21	.95	03/01/22 15:14	
1,3-Dichlorobenzene	0.21 U	5.1	0.21	.95	03/01/22 15:14	
1,3-Dichloropropane	0.21 U	5.1	0.21	.95	03/01/22 15:14	
1,4-Dichlorobenzene	0.23 U	5.1	0.23	.95	03/01/22 15:14	
1,4-Dioxane	21 U	100	21	.95	03/01/22 15:14	
2,2-Dichloropropane	0.21 U	5.1	0.21	.95	03/01/22 15:14	
2-Butanone (MEK)	2.1 U	5.1	2.1	.95	03/01/22 15:14	
2-Chlorotoluene	0.21 U	5.1	0.21	.95	03/01/22 15:14	
2-Hexanone	0.37 U	5.1	0.37	.95	03/01/22 15:14	
4-Chlorotoluene	0.21 U	5.1	0.21	.95	03/01/22 15:14	
4-Isopropyltoluene	0.21 U	5.1	0.21	.95	03/01/22 15:14	
4-Methyl-2-pentanone	0.24 U	5.1	0.24	.95	03/01/22 15:14	
Acetone	16 U	25	16	.95	03/01/22 15:14	
Acrylonitrile	0.91 U	25	0.91	.95	03/01/22 15:14	
Benzene	0.21 U	5.1	0.21	.95	03/01/22 15:14	
Bromobenzene	0.21 U	5.1	0.21	.95	03/01/22 15:14	
Bromochloromethane	0.21 U	5.1	0.21	.95	03/01/22 15:14	
Bromodichloromethane	0.21 U	5.1	0.21	.95	03/01/22 15:14	
Bromoform	0.51 U	5.1	0.51	.95	03/01/22 15:14	
Bromomethane	2.2 U	5.1	2.2	.95	03/01/22 15:14	
Carbon Disulfide	0.30 U	5.1	0.30	.95	03/01/22 15:14	
Carbon Tetrachloride	0.27 U	5.1	0.27	.95	03/01/22 15:14	
Chlorobenzene	0.21 U	5.1	0.21	.95	03/01/22 15:14	
Chloroethane	0.42 U	5.1	0.42	.95	03/01/22 15:14	
Chloroform	0.21 U	5.1	0.21	.95	03/01/22 15:14	
Chloromethane	1.5 U	5.1	1.5	.95	03/01/22 15:14	
Dibromochloromethane	0.21 U	5.1	0.21	.95	03/01/22 15:14	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:55
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP2-3FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-004	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.21 U	5.1	0.21	.95	03/01/22 15:14	
Dichlorodifluoromethane (CFC 12)	0.34 U	5.1	0.34	.95	03/01/22 15:14	
Methylene Chloride	2.9 U	5.1	2.9	.95	03/01/22 15:14	
Diethyl Ether	0.26 U	5.1	0.26	.95	03/01/22 15:14	
Ethylbenzene	1.1 U	5.1	1.1	.95	03/01/22 15:14	
Hexachlorobutadiene	0.48 U	5.1	0.48	.95	03/01/22 15:14	
Isopropylbenzene (Cumene)	0.21 U	5.1	0.21	.95	03/01/22 15:14	
Methyl tert-Butyl Ether	0.21 U	5.1	0.21	.95	03/01/22 15:14	
Naphthalene	1.1 U	5.1	1.1	.95	03/01/22 15:14	
Styrene	1.1 U	5.1	1.1	.95	03/01/22 15:14	
Tetrachloroethene (PCE)	0.24 U	5.1	0.24	.95	03/01/22 15:14	
Toluene	2.1 U	5.1	2.1	.95	03/01/22 15:14	
Trichloroethene (TCE)	0.23 U	5.1	0.23	.95	03/01/22 15:14	
Trichlorofluoromethane (CFC 11)	0.27 U	5.1	0.27	.95	03/01/22 15:14	
Vinyl Acetate	0.79 U	10	0.79	.95	03/01/22 15:14	
Vinyl Chloride	0.47 U	5.1	0.47	.95	03/01/22 15:14	
Xylenes, Total	**2.4 J**	15	0.53	.95	03/01/22 15:14	
cis-1,2-Dichloroethene	0.21 U	5.1	0.21	.95	03/01/22 15:14	
cis-1,3-Dichloropropene	0.21 U	5.1	0.21	.95	03/01/22 15:14	
m,p-Xylenes	**2.4 J**	10	2.1	.95	03/01/22 15:14	
n-Butylbenzene	0.21 U	5.1	0.21	.95	03/01/22 15:14	
n-Propylbenzene	0.21 U	5.1	0.21	.95	03/01/22 15:14	
o-Xylene	1.1 U	5.1	1.1	.95	03/01/22 15:14	
sec-Butylbenzene	0.21 U	5.1	0.21	.95	03/01/22 15:14	
tert-Butylbenzene	0.21 U	5.1	0.21	.95	03/01/22 15:14	
trans-1,2-Dichloroethene	0.21 U	5.1	0.21	.95	03/01/22 15:14	
trans-1,3-Dichloropropene	0.21 U	5.1	0.21	.95	03/01/22 15:14	
trans-1,4-Dichloro-2-butene	0.23 U	5.1	0.23	.95	03/01/22 15:14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	31 - 154	03/01/22 15:14	
Dibromofluoromethane	100	63 - 138	03/01/22 15:14	
Toluene-d8	100	66 - 138	03/01/22 15:14	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:10
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP3-3FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-005	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	5.0	0.20	.93	03/01/22 15:37	
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	.93	03/01/22 15:37	
1,1,2,2-Tetrachloroethane	0.44 U	5.0	0.44	.93	03/01/22 15:37	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	.93	03/01/22 15:37	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	.93	03/01/22 15:37	
1,1-Dichloroethene (1,1-DCE)	0.29 U	5.0	0.29	.93	03/01/22 15:37	
1,1-Dichloropropene	0.20 U	5.0	0.20	.93	03/01/22 15:37	
1,2,3-Trichlorobenzene	0.52 U	5.0	0.52	.93	03/01/22 15:37	
1,2,3-Trichloropropane	0.20 U	5.0	0.20	.93	03/01/22 15:37	
1,2,4-Trichlorobenzene	0.42 U	5.0	0.42	.93	03/01/22 15:37	
1,2,4-Trimethylbenzene	**0.39 J**	5.0	0.20	.93	03/01/22 15:37	
1,2-Dibromo-3-chloropropane (DBCP)	0.75 U	5.0	0.75	.93	03/01/22 15:37	
1,2-Dibromoethane	0.20 U	5.0	0.20	.93	03/01/22 15:37	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	.93	03/01/22 15:37	
1,2-Dichloroethane	0.20 U	5.0	0.20	.93	03/01/22 15:37	
1,2-Dichloropropane	0.20 U	5.0	0.20	.93	03/01/22 15:37	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	.93	03/01/22 15:37	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	.93	03/01/22 15:37	
1,3-Dichloropropane	0.20 U	5.0	0.20	.93	03/01/22 15:37	
1,4-Dichlorobenzene	0.22 U	5.0	0.22	.93	03/01/22 15:37	
1,4-Dioxane	20 U	99	20	.93	03/01/22 15:37	
2,2-Dichloropropane	0.20 U	5.0	0.20	.93	03/01/22 15:37	
2-Butanone (MEK)	2.0 U	5.0	2.0	.93	03/01/22 15:37	
2-Chlorotoluene	0.20 U	5.0	0.20	.93	03/01/22 15:37	
2-Hexanone	0.36 U	5.0	0.36	.93	03/01/22 15:37	
4-Chlorotoluene	0.20 U	5.0	0.20	.93	03/01/22 15:37	
4-Isopropyltoluene	0.20 U	5.0	0.20	.93	03/01/22 15:37	
4-Methyl-2-pentanone	0.23 U	5.0	0.23	.93	03/01/22 15:37	
Acetone	15 U	25	15	.93	03/01/22 15:37	
Acrylonitrile	0.89 U	25	0.89	.93	03/01/22 15:37	
Benzene	0.20 U	5.0	0.20	.93	03/01/22 15:37	
Bromobenzene	0.20 U	5.0	0.20	.93	03/01/22 15:37	
Bromochloromethane	0.20 U	5.0	0.20	.93	03/01/22 15:37	
Bromodichloromethane	0.20 U	5.0	0.20	.93	03/01/22 15:37	
Bromoform	0.50 U	5.0	0.50	.93	03/01/22 15:37	
Bromomethane	2.1 U	5.0	2.1	.93	03/01/22 15:37	
Carbon Disulfide	0.29 U	5.0	0.29	.93	03/01/22 15:37	
Carbon Tetrachloride	0.26 U	5.0	0.26	.93	03/01/22 15:37	
Chlorobenzene	0.20 U	5.0	0.20	.93	03/01/22 15:37	
Chloroethane	0.41 U	5.0	0.41	.93	03/01/22 15:37	
Chloroform	0.20 U	5.0	0.20	.93	03/01/22 15:37	
Chloromethane	1.4 U	5.0	1.4	.93	03/01/22 15:37	
Dibromochloromethane	0.20 U	5.0	0.20	.93	03/01/22 15:37	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:10
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP3-3FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-005	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.20 U	5.0	0.20	.93	03/01/22 15:37	
Dichlorodifluoromethane (CFC 12)	0.33 U	5.0	0.33	.93	03/01/22 15:37	
Methylene Chloride	2.8 U	5.0	2.8	.93	03/01/22 15:37	
Diethyl Ether	**0.42 J**	5.0	0.25	.93	03/01/22 15:37	
Ethylbenzene	1.0 U	5.0	1.0	.93	03/01/22 15:37	
Hexachlorobutadiene	0.47 U	5.0	0.47	.93	03/01/22 15:37	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	.93	03/01/22 15:37	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	.93	03/01/22 15:37	
Naphthalene	0.99 U	5.0	0.99	.93	03/01/22 15:37	
Styrene	1.0 U	5.0	1.0	.93	03/01/22 15:37	
Tetrachloroethene (PCE)	0.23 U	5.0	0.23	.93	03/01/22 15:37	
Toluene	2.0 U	5.0	2.0	.93	03/01/22 15:37	
Trichloroethene (TCE)	0.22 U	5.0	0.22	.93	03/01/22 15:37	
Trichlorofluoromethane (CFC 11)	0.26 U	5.0	0.26	.93	03/01/22 15:37	
Vinyl Acetate	0.78 U	9.9	0.78	.93	03/01/22 15:37	
Vinyl Chloride	0.46 U	5.0	0.46	.93	03/01/22 15:37	
Xylenes, Total	0.52 U	15	0.52	.93	03/01/22 15:37	
cis-1,2-Dichloroethene	0.20 U	5.0	0.20	.93	03/01/22 15:37	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	.93	03/01/22 15:37	
m,p-Xylenes	2.0 U	9.9	2.0	.93	03/01/22 15:37	
n-Butylbenzene	0.20 U	5.0	0.20	.93	03/01/22 15:37	
n-Propylbenzene	0.20 U	5.0	0.20	.93	03/01/22 15:37	
o-Xylene	1.0 U	5.0	1.0	.93	03/01/22 15:37	
sec-Butylbenzene	0.20 U	5.0	0.20	.93	03/01/22 15:37	
tert-Butylbenzene	0.20 U	5.0	0.20	.93	03/01/22 15:37	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	.93	03/01/22 15:37	
trans-1,3-Dichloropropene	0.20 U	5.0	0.20	.93	03/01/22 15:37	
trans-1,4-Dichloro-2-butene	0.22 U	5.0	0.22	.93	03/01/22 15:37	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	87	31 - 154	03/01/22 15:37	
Dibromofluoromethane	96	63 - 138	03/01/22 15:37	
Toluene-d8	99	66 - 138	03/01/22 15:37	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:54
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP3-4FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-006	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
1,1,1-Trichloroethane (TCA)	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
1,1,2,2-Tetrachloroethane	0.49 U	5.6	0.49	1.06	03/01/22 16:00	
1,1,2-Trichloroethane	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
1,1-Dichloroethane (1,1-DCA)	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
1,1-Dichloroethene (1,1-DCE)	0.33 U	5.6	0.33	1.06	03/01/22 16:00	
1,1-Dichloropropene	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
1,2,3-Trichlorobenzene	0.58 U	5.6	0.58	1.06	03/01/22 16:00	
1,2,3-Trichloropropane	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
1,2,4-Trichlorobenzene	0.47 U	5.6	0.47	1.06	03/01/22 16:00	
1,2,4-Trimethylbenzene	**0.31 J**	5.6	0.23	1.06	03/01/22 16:00	
1,2-Dibromo-3-chloropropane (DBCP)	0.84 U	5.6	0.84	1.06	03/01/22 16:00	
1,2-Dibromoethane	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
1,2-Dichlorobenzene	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
1,2-Dichloroethane	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
1,2-Dichloropropane	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
1,3,5-Trimethylbenzene	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
1,3-Dichlorobenzene	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
1,3-Dichloropropane	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
1,4-Dichlorobenzene	0.25 U	5.6	0.25	1.06	03/01/22 16:00	
1,4-Dioxane	23 U	110	23	1.06	03/01/22 16:00	
2,2-Dichloropropane	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
2-Butanone (MEK)	2.3 U	5.6	2.3	1.06	03/01/22 16:00	
2-Chlorotoluene	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
2-Hexanone	0.41 U	5.6	0.41	1.06	03/01/22 16:00	
4-Chlorotoluene	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
4-Isopropyltoluene	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
4-Methyl-2-pentanone	0.26 U	5.6	0.26	1.06	03/01/22 16:00	
Acetone	**35**	28	17	1.06	03/01/22 16:00	
Acrylonitrile	1.0 U	28	1.0	1.06	03/01/22 16:00	
Benzene	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
Bromobenzene	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
Bromochloromethane	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
Bromodichloromethane	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
Bromoform	0.56 U	5.6	0.56	1.06	03/01/22 16:00	
Bromomethane	2.4 U	5.6	2.4	1.06	03/01/22 16:00	
Carbon Disulfide	0.33 U	5.6	0.33	1.06	03/01/22 16:00	
Carbon Tetrachloride	0.29 U	5.6	0.29	1.06	03/01/22 16:00	
Chlorobenzene	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
Chloroethane	0.46 U	5.6	0.46	1.06	03/01/22 16:00	
Chloroform	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
Chloromethane	1.6 U	5.6	1.6	1.06	03/01/22 16:00	
Dibromochloromethane	0.23 U	5.6	0.23	1.06	03/01/22 16:00	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:54
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP3-4FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-006	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
Dichlorodifluoromethane (CFC 12)	0.37 U	5.6	0.37	1.06	03/01/22 16:00	
Methylene Chloride	3.2 U	5.6	3.2	1.06	03/01/22 16:00	
Diethyl Ether	0.28 U	5.6	0.28	1.06	03/01/22 16:00	
Ethylbenzene	1.2 U	5.6	1.2	1.06	03/01/22 16:00	
Hexachlorobutadiene	0.53 U	5.6	0.53	1.06	03/01/22 16:00	
Isopropylbenzene (Cumene)	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
Methyl tert-Butyl Ether	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
Naphthalene	1.2 U	5.6	1.2	1.06	03/01/22 16:00	
Styrene	1.2 U	5.6	1.2	1.06	03/01/22 16:00	
Tetrachloroethene (PCE)	0.26 U	5.6	0.26	1.06	03/01/22 16:00	
Toluene	2.3 U	5.6	2.3	1.06	03/01/22 16:00	
Trichloroethene (TCE)	0.25 U	5.6	0.25	1.06	03/01/22 16:00	
Trichlorofluoromethane (CFC 11)	0.29 U	5.6	0.29	1.06	03/01/22 16:00	
Vinyl Acetate	0.87 U	11	0.87	1.06	03/01/22 16:00	
Vinyl Chloride	0.52 U	5.6	0.52	1.06	03/01/22 16:00	
Xylenes, Total	0.58 U	17	0.58	1.06	03/01/22 16:00	
cis-1,2-Dichloroethene	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
cis-1,3-Dichloropropene	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
m,p-Xylenes	2.3 U	11	2.3	1.06	03/01/22 16:00	
n-Butylbenzene	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
n-Propylbenzene	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
o-Xylene	1.2 U	5.6	1.2	1.06	03/01/22 16:00	
sec-Butylbenzene	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
tert-Butylbenzene	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
trans-1,2-Dichloroethene	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
trans-1,3-Dichloropropene	0.23 U	5.6	0.23	1.06	03/01/22 16:00	
trans-1,4-Dichloro-2-butene	0.25 U	5.6	0.25	1.06	03/01/22 16:00	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	31 - 154	03/01/22 16:00	
Dibromofluoromethane	95	63 - 138	03/01/22 16:00	
Toluene-d8	100	66 - 138	03/01/22 16:00	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:00
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP4-5FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-007	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
1,1,1-Trichloroethane (TCA)	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
1,1,2,2-Tetrachloroethane	0.48 U	5.5	0.48	1.02	03/01/22 16:24	
1,1,2-Trichloroethane	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
1,1-Dichloroethane (1,1-DCA)	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
1,1-Dichloroethene (1,1-DCE)	0.32 U	5.5	0.32	1.02	03/01/22 16:24	
1,1-Dichloropropene	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
1,2,3-Trichlorobenzene	0.57 U	5.5	0.57	1.02	03/01/22 16:24	
1,2,3-Trichloropropane	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
1,2,4-Trichlorobenzene	0.46 U	5.5	0.46	1.02	03/01/22 16:24	
1,2,4-Trimethylbenzene	**0.27 J**	5.5	0.22	1.02	03/01/22 16:24	
1,2-Dibromo-3-chloropropane (DBCP)	0.82 U	5.5	0.82	1.02	03/01/22 16:24	
1,2-Dibromoethane	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
1,2-Dichlorobenzene	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
1,2-Dichloroethane	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
1,2-Dichloropropane	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
1,3,5-Trimethylbenzene	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
1,3-Dichlorobenzene	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
1,3-Dichloropropane	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
1,4-Dichlorobenzene	0.24 U	5.5	0.24	1.02	03/01/22 16:24	
1,4-Dioxane	22 U	110	22	1.02	03/01/22 16:24	
2,2-Dichloropropane	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
2-Butanone (MEK)	2.2 U	5.5	2.2	1.02	03/01/22 16:24	
2-Chlorotoluene	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
2-Hexanone	0.40 U	5.5	0.40	1.02	03/01/22 16:24	
4-Chlorotoluene	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
4-Isopropyltoluene	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
4-Methyl-2-pentanone	0.26 U	5.5	0.26	1.02	03/01/22 16:24	
Acetone	17 U	27	17	1.02	03/01/22 16:24	
Acrylonitrile	0.98 U	27	0.98	1.02	03/01/22 16:24	
Benzene	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
Bromobenzene	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
Bromochloromethane	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
Bromodichloromethane	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
Bromoform	0.55 U	5.5	0.55	1.02	03/01/22 16:24	
Bromomethane	2.3 U	5.5	2.3	1.02	03/01/22 16:24	
Carbon Disulfide	0.32 U	5.5	0.32	1.02	03/01/22 16:24	
Carbon Tetrachloride	0.29 U	5.5	0.29	1.02	03/01/22 16:24	
Chlorobenzene	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
Chloroethane	0.45 U	5.5	0.45	1.02	03/01/22 16:24	
Chloroform	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
Chloromethane	1.6 U	5.5	1.6	1.02	03/01/22 16:24	
Dibromochloromethane	0.22 U	5.5	0.22	1.02	03/01/22 16:24	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:00
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP4-5FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-007	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
Dichlorodifluoromethane (CFC 12)	0.36 U	5.5	0.36	1.02	03/01/22 16:24	
Methylene Chloride	3.1 U	5.5	3.1	1.02	03/01/22 16:24	
Diethyl Ether	**0.60 J**	5.5	0.28	1.02	03/01/22 16:24	
Ethylbenzene	1.1 U	5.5	1.1	1.02	03/01/22 16:24	
Hexachlorobutadiene	0.52 U	5.5	0.52	1.02	03/01/22 16:24	
Isopropylbenzene (Cumene)	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
Methyl tert-Butyl Ether	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
Naphthalene	1.1 U	5.5	1.1	1.02	03/01/22 16:24	
Styrene	1.1 U	5.5	1.1	1.02	03/01/22 16:24	
Tetrachloroethene (PCE)	0.26 U	5.5	0.26	1.02	03/01/22 16:24	
Toluene	2.2 U	5.5	2.2	1.02	03/01/22 16:24	
Trichloroethene (TCE)	0.24 U	5.5	0.24	1.02	03/01/22 16:24	
Trichlorofluoromethane (CFC 11)	0.29 U	5.5	0.29	1.02	03/01/22 16:24	
Vinyl Acetate	0.86 U	11	0.86	1.02	03/01/22 16:24	
Vinyl Chloride	0.51 U	5.5	0.51	1.02	03/01/22 16:24	
Xylenes, Total	0.57 U	16	0.57	1.02	03/01/22 16:24	
cis-1,2-Dichloroethene	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
cis-1,3-Dichloropropene	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
m,p-Xylenes	2.2 U	11	2.2	1.02	03/01/22 16:24	
n-Butylbenzene	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
n-Propylbenzene	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
o-Xylene	1.1 U	5.5	1.1	1.02	03/01/22 16:24	
sec-Butylbenzene	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
tert-Butylbenzene	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
trans-1,2-Dichloroethene	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
trans-1,3-Dichloropropene	0.22 U	5.5	0.22	1.02	03/01/22 16:24	
trans-1,4-Dichloro-2-butene	0.24 U	5.5	0.24	1.02	03/01/22 16:24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	31 - 154	03/01/22 16:24	
Dibromofluoromethane	98	63 - 138	03/01/22 16:24	
Toluene-d8	99	66 - 138	03/01/22 16:24	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:05
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP4-3FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-008	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
1,1,1-Trichloroethane (TCA)	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
1,1,2,2-Tetrachloroethane	0.49 U	5.5	0.49	1.03	03/01/22 16:47	
1,1,2-Trichloroethane	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
1,1-Dichloroethane (1,1-DCA)	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
1,1-Dichloroethene (1,1-DCE)	0.32 U	5.5	0.32	1.03	03/01/22 16:47	
1,1-Dichloropropene	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
1,2,3-Trichlorobenzene	0.57 U	5.5	0.57	1.03	03/01/22 16:47	
1,2,3-Trichloropropane	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
1,2,4-Trichlorobenzene	0.46 U	5.5	0.46	1.03	03/01/22 16:47	
1,2,4-Trimethylbenzene	**0.34 J**	5.5	0.22	1.03	03/01/22 16:47	
1,2-Dibromo-3-chloropropane (DBCP)	0.82 U	5.5	0.82	1.03	03/01/22 16:47	
1,2-Dibromoethane	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
1,2-Dichlorobenzene	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
1,2-Dichloroethane	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
1,2-Dichloropropane	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
1,3,5-Trimethylbenzene	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
1,3-Dichlorobenzene	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
1,3-Dichloropropane	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
1,4-Dichlorobenzene	0.25 U	5.5	0.25	1.03	03/01/22 16:47	
1,4-Dioxane	22 U	110	22	1.03	03/01/22 16:47	
2,2-Dichloropropane	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
2-Butanone (MEK)	2.2 U	5.5	2.2	1.03	03/01/22 16:47	
2-Chlorotoluene	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
2-Hexanone	0.40 U	5.5	0.40	1.03	03/01/22 16:47	
4-Chlorotoluene	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
4-Isopropyltoluene	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
4-Methyl-2-pentanone	0.26 U	5.5	0.26	1.03	03/01/22 16:47	
Acetone	17 U	27	17	1.03	03/01/22 16:47	
Acrylonitrile	0.98 U	27	0.98	1.03	03/01/22 16:47	
Benzene	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
Bromobenzene	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
Bromochloromethane	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
Bromodichloromethane	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
Bromoform	0.55 U	5.5	0.55	1.03	03/01/22 16:47	
Bromomethane	2.3 U	5.5	2.3	1.03	03/01/22 16:47	
Carbon Disulfide	0.32 U	5.5	0.32	1.03	03/01/22 16:47	
Carbon Tetrachloride	0.29 U	5.5	0.29	1.03	03/01/22 16:47	
Chlorobenzene	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
Chloroethane	0.45 U	5.5	0.45	1.03	03/01/22 16:47	
Chloroform	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
Chloromethane	1.6 U	5.5	1.6	1.03	03/01/22 16:47	
Dibromochloromethane	0.22 U	5.5	0.22	1.03	03/01/22 16:47	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:05
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP4-3FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-008	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
Dichlorodifluoromethane (CFC 12)	0.37 U	5.5	0.37	1.03	03/01/22 16:47	
Methylene Chloride	3.1 U	5.5	3.1	1.03	03/01/22 16:47	
Diethyl Ether	**0.63 J**	5.5	0.28	1.03	03/01/22 16:47	
Ethylbenzene	1.1 U	5.5	1.1	1.03	03/01/22 16:47	
Hexachlorobutadiene	0.52 U	5.5	0.52	1.03	03/01/22 16:47	
Isopropylbenzene (Cumene)	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
Methyl tert-Butyl Ether	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
Naphthalene	1.1 U	5.5	1.1	1.03	03/01/22 16:47	
Styrene	1.1 U	5.5	1.1	1.03	03/01/22 16:47	
Tetrachloroethene (PCE)	0.26 U	5.5	0.26	1.03	03/01/22 16:47	
Toluene	2.2 U	5.5	2.2	1.03	03/01/22 16:47	
Trichloroethene (TCE)	0.25 U	5.5	0.25	1.03	03/01/22 16:47	
Trichlorofluoromethane (CFC 11)	0.29 U	5.5	0.29	1.03	03/01/22 16:47	
Vinyl Acetate	0.86 U	11	0.86	1.03	03/01/22 16:47	
Vinyl Chloride	0.51 U	5.5	0.51	1.03	03/01/22 16:47	
Xylenes, Total	0.57 U	16	0.57	1.03	03/01/22 16:47	
cis-1,2-Dichloroethene	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
cis-1,3-Dichloropropene	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
m,p-Xylenes	2.2 U	11	2.2	1.03	03/01/22 16:47	
n-Butylbenzene	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
n-Propylbenzene	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
o-Xylene	1.1 U	5.5	1.1	1.03	03/01/22 16:47	
sec-Butylbenzene	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
tert-Butylbenzene	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
trans-1,2-Dichloroethene	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
trans-1,3-Dichloropropene	0.22 U	5.5	0.22	1.03	03/01/22 16:47	
trans-1,4-Dichloro-2-butene	0.25 U	5.5	0.25	1.03	03/01/22 16:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	31 - 154	03/01/22 16:47	
Dibromofluoromethane	103	63 - 138	03/01/22 16:47	
Toluene-d8	101	66 - 138	03/01/22 16:47	

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:50
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP01-3FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-001	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	830	U	3700	830	10	03/08/22 21:34	3/3/22	
2,3,4,6-Tetrachlorophenol	1300	U	3700	1300	10	03/08/22 21:34	3/3/22	
2,4,5-Trichlorophenol	920	U	3700	920	10	03/08/22 21:34	3/3/22	
2,4,6-Trichlorophenol	830	U	3700	830	10	03/08/22 21:34	3/3/22	
2,4-Dichlorophenol	720	U	3700	720	10	03/08/22 21:34	3/3/22	
2,4-Dimethylphenol	670	U	3700	670	10	03/08/22 21:34	3/3/22	
2,4-Dinitrophenol	6400	U	19000	6400	10	03/08/22 21:34	3/3/22	
2,4-Dinitrotoluene	1500	U	3700	1500	10	03/08/22 21:34	3/3/22	
2,6-Dinitrotoluene	820	U	3700	820	10	03/08/22 21:34	3/3/22	
2-Chloronaphthalene	750	U	3700	750	10	03/08/22 21:34	3/3/22	
2-Chlorophenol	620	U	3700	620	10	03/08/22 21:34	3/3/22	
2-Methylnaphthalene	1400	U	3700	1400	10	03/08/22 21:34	3/3/22	
2-Methylphenol	770	U	3700	770	10	03/08/22 21:34	3/3/22	
2-Nitroaniline	880	U	19000	880	10	03/08/22 21:34	3/3/22	
2-Nitrophenol	870	U	3700	870	10	03/08/22 21:34	3/3/22	
3,3'-Dichlorobenzidine	420	U	3700	420	10	03/08/22 21:34	3/3/22	
3- and 4-Methylphenol Coelution	710	U	3700	710	10	03/08/22 21:34	3/3/22	
3-Nitroaniline	750	U	19000	750	10	03/08/22 21:34	3/3/22	
4,6-Dinitro-2-methylphenol	2100	U	19000	2100	10	03/08/22 21:34	3/3/22	
4-Bromophenyl Phenyl Ether	980	U	3700	980	10	03/08/22 21:34	3/3/22	
4-Chloro-3-methylphenol	750	U	3700	750	10	03/08/22 21:34	3/3/22	
4-Chloroaniline	630	U	3700	630	10	03/08/22 21:34	3/3/22	
4-Chlorophenyl Phenyl Ether	800	U	3700	800	10	03/08/22 21:34	3/3/22	
4-Nitroaniline	810	U	19000	810	10	03/08/22 21:34	3/3/22	
4-Nitrophenol	750	U	19000	750	10	03/08/22 21:34	3/3/22	
Acenaphthene	710	U	3700	710	10	03/08/22 21:34	3/3/22	
Acenaphthylene	760	U	3700	760	10	03/08/22 21:34	3/3/22	
Acetophenone	1100	U	3700	1100	10	03/08/22 21:34	3/3/22	
Anthracene	**1500**	**J**	3700	630	10	03/08/22 21:34	3/3/22	
Atrazine	1200	U	3700	1200	10	03/08/22 21:34	3/3/22	
Benz(a)anthracene	**5000**		3700	560	10	03/08/22 21:34	3/3/22	
Benzaldehyde	900	U	19000	900	10	03/08/22 21:34	3/3/22	
Benzo(a)pyrene	**5300**		3700	990	10	03/08/22 21:34	3/3/22	
Benzo(b)fluoranthene	**5400**		3700	620	10	03/08/22 21:34	3/3/22	
Benzo(g,h,i)perylene	**3100**	**J**	3700	860	10	03/08/22 21:34	3/3/22	
Benzo(k)fluoranthene	**1700**	**J**	3700	600	10	03/08/22 21:34	3/3/22	
Biphenyl	1100	U	3700	1100	10	03/08/22 21:34	3/3/22	
2,2'-Oxybis(1-chloropropane)	770	U	3700	770	10	03/08/22 21:34	3/3/22	
Bis(2-chloroethoxy)methane	910	U	3700	910	10	03/08/22 21:34	3/3/22	
Bis(2-chloroethyl) Ether	740	U	3700	740	10	03/08/22 21:34	3/3/22	
Bis(2-ethylhexyl) Phthalate	680	U	5600	680	10	03/08/22 21:34	3/3/22	
Butyl Benzyl Phthalate	450	U	3700	450	10	03/08/22 21:34	3/3/22	
Caprolactam	820	U	3700	820	10	03/08/22 21:34	3/3/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:50
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP01-3FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-001	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	610	U	3700	610	10	03/08/22 21:34	3/3/22	
Chrysene	**4900**		3700	550	10	03/08/22 21:34	3/3/22	
Di-n-butyl Phthalate	610	U	3700	610	10	03/08/22 21:34	3/3/22	
Di-n-octyl Phthalate	1300	U	3700	1300	10	03/08/22 21:34	3/3/22	
Dibenz(a,h)anthracene	810	U	3700	810	10	03/08/22 21:34	3/3/22	
Dibenzofuran	680	U	3700	680	10	03/08/22 21:34	3/3/22	
Diethyl Phthalate	660	U	3700	660	10	03/08/22 21:34	3/3/22	
Dimethyl Phthalate	710	U	3700	710	10	03/08/22 21:34	3/3/22	
Fluoranthene	**11000**		3700	940	10	03/08/22 21:34	3/3/22	
Fluorene	700	U	3700	700	10	03/08/22 21:34	3/3/22	
Hexachlorobenzene	900	U	3700	900	10	03/08/22 21:34	3/3/22	
Hexachlorobutadiene	1400	U	3700	1400	10	03/08/22 21:34	3/3/22	
Hexachlorocyclopentadiene	1200	U	3700	1200	10	03/08/22 21:34	3/3/22	
Hexachloroethane	700	U	3700	700	10	03/08/22 21:34	3/3/22	
Indeno(1,2,3-cd)pyrene	**3300**	**J**	3700	1200	10	03/08/22 21:34	3/3/22	
Isophorone	780	U	3700	780	10	03/08/22 21:34	3/3/22	
N-Nitrosodi-n-propylamine	1200	U	3700	1200	10	03/08/22 21:34	3/3/22	
N-Nitrosodiphenylamine	2400	U	3700	2400	10	03/08/22 21:34	3/3/22	
Naphthalene	700	U	3700	700	10	03/08/22 21:34	3/3/22	
Nitrobenzene	670	U	3700	670	10	03/08/22 21:34	3/3/22	
Pentachlorophenol (PCP)	3700	U	19000	3700	10	03/08/22 21:34	3/3/22	
Phenanthrene	**6000**		3700	530	10	03/08/22 21:34	3/3/22	
Phenol	750	U	3700	750	10	03/08/22 21:34	3/3/22	
Pyrene	**9700**		3700	620	10	03/08/22 21:34	3/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	86	15 - 142	03/08/22 21:34	
2-Fluorobiphenyl	76	25 - 114	03/08/22 21:34	
2-Fluorophenol	73	18 - 98	03/08/22 21:34	
Nitrobenzene-d5	76	14 - 104	03/08/22 21:34	
Phenol-d6	74	18 - 103	03/08/22 21:34	
Terphenyl-d14	87	38 - 141	03/08/22 21:34	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:40
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP01-5FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	810	U	3600	810	10	03/08/22 22:03	3/3/22	
2,3,4,6-Tetrachlorophenol	1300	U	3600	1300	10	03/08/22 22:03	3/3/22	
2,4,5-Trichlorophenol	890	U	3600	890	10	03/08/22 22:03	3/3/22	
2,4,6-Trichlorophenol	810	U	3600	810	10	03/08/22 22:03	3/3/22	
2,4-Dichlorophenol	700	U	3600	700	10	03/08/22 22:03	3/3/22	
2,4-Dimethylphenol	650	U	3600	650	10	03/08/22 22:03	3/3/22	
2,4-Dinitrophenol	6200	U	19000	6200	10	03/08/22 22:03	3/3/22	
2,4-Dinitrotoluene	1400	U	3600	1400	10	03/08/22 22:03	3/3/22	
2,6-Dinitrotoluene	790	U	3600	790	10	03/08/22 22:03	3/3/22	
2-Chloronaphthalene	730	U	3600	730	10	03/08/22 22:03	3/3/22	
2-Chlorophenol	610	U	3600	610	10	03/08/22 22:03	3/3/22	
2-Methylnaphthalene	1300	U	3600	1300	10	03/08/22 22:03	3/3/22	
2-Methylphenol	750	U	3600	750	10	03/08/22 22:03	3/3/22	
2-Nitroaniline	860	U	19000	860	10	03/08/22 22:03	3/3/22	
2-Nitrophenol	840	U	3600	840	10	03/08/22 22:03	3/3/22	
3,3'-Dichlorobenzidine	410	U	3600	410	10	03/08/22 22:03	3/3/22	
3- and 4-Methylphenol Coelution	690	U	3600	690	10	03/08/22 22:03	3/3/22	
3-Nitroaniline	730	U	19000	730	10	03/08/22 22:03	3/3/22	
4,6-Dinitro-2-methylphenol	2100	U	19000	2100	10	03/08/22 22:03	3/3/22	
4-Bromophenyl Phenyl Ether	950	U	3600	950	10	03/08/22 22:03	3/3/22	
4-Chloro-3-methylphenol	730	U	3600	730	10	03/08/22 22:03	3/3/22	
4-Chloroaniline	610	U	3600	610	10	03/08/22 22:03	3/3/22	
4-Chlorophenyl Phenyl Ether	770	U	3600	770	10	03/08/22 22:03	3/3/22	
4-Nitroaniline	780	U	19000	780	10	03/08/22 22:03	3/3/22	
4-Nitrophenol	730	U	19000	730	10	03/08/22 22:03	3/3/22	
Acenaphthene	690	U	3600	690	10	03/08/22 22:03	3/3/22	
Acenaphthylene	**1600**	**J**	3600	730	10	03/08/22 22:03	3/3/22	
Acetophenone	1100	U	3600	1100	10	03/08/22 22:03	3/3/22	
Anthracene	**1400**	**J**	3600	610	10	03/08/22 22:03	3/3/22	
Atrazine	1100	U	3600	1100	10	03/08/22 22:03	3/3/22	
Benz(a)anthracene	**5100**		3600	540	10	03/08/22 22:03	3/3/22	
Benzaldehyde	880	U	19000	880	10	03/08/22 22:03	3/3/22	
Benzo(a)pyrene	**7100**		3600	960	10	03/08/22 22:03	3/3/22	
Benzo(b)fluoranthene	**6700**		3600	610	10	03/08/22 22:03	3/3/22	
Benzo(g,h,i)perylene	**4700**		3600	830	10	03/08/22 22:03	3/3/22	
Benzo(k)fluoranthene	**2200**	**J**	3600	590	10	03/08/22 22:03	3/3/22	
Biphenyl	1100	U	3600	1100	10	03/08/22 22:03	3/3/22	
2,2'-Oxybis(1-chloropropane)	740	U	3600	740	10	03/08/22 22:03	3/3/22	
Bis(2-chloroethoxy)methane	890	U	3600	890	10	03/08/22 22:03	3/3/22	
Bis(2-chloroethyl) Ether	720	U	3600	720	10	03/08/22 22:03	3/3/22	
Bis(2-ethylhexyl) Phthalate	660	U	5500	660	10	03/08/22 22:03	3/3/22	
Butyl Benzyl Phthalate	440	U	3600	440	10	03/08/22 22:03	3/3/22	
Caprolactam	800	U	3600	800	10	03/08/22 22:03	3/3/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:40
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP01-5FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	**610**	**J**	3600	590	10	03/08/22 22:03	3/3/22	
Chrysene	**4800**		3600	530	10	03/08/22 22:03	3/3/22	
Di-n-butyl Phthalate	590	U	3600	590	10	03/08/22 22:03	3/3/22	
Di-n-octyl Phthalate	1300	U	3600	1300	10	03/08/22 22:03	3/3/22	
Dibenz(a,h)anthracene	**1100**	**J**	3600	790	10	03/08/22 22:03	3/3/22	
Dibenzofuran	660	U	3600	660	10	03/08/22 22:03	3/3/22	
Diethyl Phthalate	650	U	3600	650	10	03/08/22 22:03	3/3/22	
Dimethyl Phthalate	690	U	3600	690	10	03/08/22 22:03	3/3/22	
Fluoranthene	**9900**		3600	910	10	03/08/22 22:03	3/3/22	
Fluorene	680	U	3600	680	10	03/08/22 22:03	3/3/22	
Hexachlorobenzene	870	U	3600	870	10	03/08/22 22:03	3/3/22	
Hexachlorobutadiene	1300	U	3600	1300	10	03/08/22 22:03	3/3/22	
Hexachlorocyclopentadiene	1200	U	3600	1200	10	03/08/22 22:03	3/3/22	
Hexachloroethane	680	U	3600	680	10	03/08/22 22:03	3/3/22	
Indeno(1,2,3-cd)pyrene	**5200**		3600	1200	10	03/08/22 22:03	3/3/22	
Isophorone	760	U	3600	760	10	03/08/22 22:03	3/3/22	
N-Nitrosodi-n-propylamine	1200	U	3600	1200	10	03/08/22 22:03	3/3/22	
N-Nitrosodiphenylamine	2300	U	3600	2300	10	03/08/22 22:03	3/3/22	
Naphthalene	680	U	3600	680	10	03/08/22 22:03	3/3/22	
Nitrobenzene	650	U	3600	650	10	03/08/22 22:03	3/3/22	
Pentachlorophenol (PCP)	3600	U	19000	3600	10	03/08/22 22:03	3/3/22	
Phenanthrene	**5300**		3600	510	10	03/08/22 22:03	3/3/22	
Phenol	730	U	3600	730	10	03/08/22 22:03	3/3/22	
Pyrene	**9200**		3600	600	10	03/08/22 22:03	3/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	82	15 - 142	03/08/22 22:03	
2-Fluorobiphenyl	73	25 - 114	03/08/22 22:03	
2-Fluorophenol	69	18 - 98	03/08/22 22:03	
Nitrobenzene-d5	75	14 - 104	03/08/22 22:03	
Phenol-d6	72	18 - 103	03/08/22 22:03	
Terphenyl-d14	84	38 - 141	03/08/22 22:03	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:45
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP2-5FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-003	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	82	U	370	82	1	03/08/22 22:30	3/3/22	
2,3,4,6-Tetrachlorophenol	130	U	370	130	1	03/08/22 22:30	3/3/22	
2,4,5-Trichlorophenol	91	U	370	91	1	03/08/22 22:30	3/3/22	
2,4,6-Trichlorophenol	82	U	370	82	1	03/08/22 22:30	3/3/22	
2,4-Dichlorophenol	71	U	370	71	1	03/08/22 22:30	3/3/22	
2,4-Dimethylphenol	66	U	370	66	1	03/08/22 22:30	3/3/22	
2,4-Dinitrophenol	630	U	1900	630	1	03/08/22 22:30	3/3/22	
2,4-Dinitrotoluene	150	U	370	150	1	03/08/22 22:30	3/3/22	
2,6-Dinitrotoluene	80	U	370	80	1	03/08/22 22:30	3/3/22	
2-Chloronaphthalene	74	U	370	74	1	03/08/22 22:30	3/3/22	
2-Chlorophenol	62	U	370	62	1	03/08/22 22:30	3/3/22	
2-Methylnaphthalene	130	U	370	130	1	03/08/22 22:30	3/3/22	
2-Methylphenol	76	U	370	76	1	03/08/22 22:30	3/3/22	
2-Nitroaniline	87	U	1900	87	1	03/08/22 22:30	3/3/22	
2-Nitrophenol	85	U	370	85	1	03/08/22 22:30	3/3/22	
3,3'-Dichlorobenzidine	42	U	370	42	1	03/08/22 22:30	3/3/22	
3- and 4-Methylphenol Coelution	70	U	370	70	1	03/08/22 22:30	3/3/22	
3-Nitroaniline	74	U	1900	74	1	03/08/22 22:30	3/3/22	
4,6-Dinitro-2-methylphenol	210	U	1900	210	1	03/08/22 22:30	3/3/22	
4-Bromophenyl Phenyl Ether	97	U	370	97	1	03/08/22 22:30	3/3/22	
4-Chloro-3-methylphenol	74	U	370	74	1	03/08/22 22:30	3/3/22	
4-Chloroaniline	62	U	370	62	1	03/08/22 22:30	3/3/22	
4-Chlorophenyl Phenyl Ether	79	U	370	79	1	03/08/22 22:30	3/3/22	
4-Nitroaniline	79	U	1900	79	1	03/08/22 22:30	3/3/22	
4-Nitrophenol	74	U	1900	74	1	03/08/22 22:30	3/3/22	
Acenaphthene	70	U	370	70	1	03/08/22 22:30	3/3/22	
Acenaphthylene	75	U	370	75	1	03/08/22 22:30	3/3/22	
Acetophenone	110	U	370	110	1	03/08/22 22:30	3/3/22	
Anthracene	62	U	370	62	1	03/08/22 22:30	3/3/22	
Atrazine	110	U	370	110	1	03/08/22 22:30	3/3/22	
Benz(a)anthracene	**170**	**J**	370	55	1	03/08/22 22:30	3/3/22	
Benzaldehyde	89	U	1900	89	1	03/08/22 22:30	3/3/22	
Benzo(a)pyrene	**210**	**J**	370	98	1	03/08/22 22:30	3/3/22	
Benzo(b)fluoranthene	**220**	**J**	370	62	1	03/08/22 22:30	3/3/22	
Benzo(g,h,i)perylene	**140**	**J**	370	85	1	03/08/22 22:30	3/3/22	
Benzo(k)fluoranthene	**80**	**J**	370	60	1	03/08/22 22:30	3/3/22	
Biphenyl	110	U	370	110	1	03/08/22 22:30	3/3/22	
2,2'-Oxybis(1-chloropropane)	75	U	370	75	1	03/08/22 22:30	3/3/22	
Bis(2-chloroethoxy)methane	90	U	370	90	1	03/08/22 22:30	3/3/22	
Bis(2-chloroethyl) Ether	73	U	370	73	1	03/08/22 22:30	3/3/22	
Bis(2-ethylhexyl) Phthalate	67	U	560	67	1	03/08/22 22:30	3/3/22	
Butyl Benzyl Phthalate	45	U	370	45	1	03/08/22 22:30	3/3/22	
Caprolactam	81	U	370	81	1	03/08/22 22:30	3/3/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:45
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP2-5FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-003	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	60	U	370	60	1	03/08/22 22:30	3/3/22	
Chrysene	**170**	**J**	370	54	1	03/08/22 22:30	3/3/22	
Di-n-butyl Phthalate	60	U	370	60	1	03/08/22 22:30	3/3/22	
Di-n-octyl Phthalate	130	U	370	130	1	03/08/22 22:30	3/3/22	
Dibenz(a,h)anthracene	80	U	370	80	1	03/08/22 22:30	3/3/22	
Dibenzofuran	67	U	370	67	1	03/08/22 22:30	3/3/22	
Diethyl Phthalate	66	U	370	66	1	03/08/22 22:30	3/3/22	
Dimethyl Phthalate	70	U	370	70	1	03/08/22 22:30	3/3/22	
Fluoranthene	**300**	**J**	370	92	1	03/08/22 22:30	3/3/22	
Fluorene	69	U	370	69	1	03/08/22 22:30	3/3/22	
Hexachlorobenzene	88	U	370	88	1	03/08/22 22:30	3/3/22	
Hexachlorobutadiene	130	U	370	130	1	03/08/22 22:30	3/3/22	
Hexachlorocyclopentadiene	120	U	370	120	1	03/08/22 22:30	3/3/22	
Hexachloroethane	69	U	370	69	1	03/08/22 22:30	3/3/22	
Indeno(1,2,3-cd)pyrene	**130**	**J**	370	120	1	03/08/22 22:30	3/3/22	
Isophorone	77	U	370	77	1	03/08/22 22:30	3/3/22	
N-Nitrosodi-n-propylamine	120	U	370	120	1	03/08/22 22:30	3/3/22	
N-Nitrosodiphenylamine	230	U	370	230	1	03/08/22 22:30	3/3/22	
Naphthalene	69	U	370	69	1	03/08/22 22:30	3/3/22	
Nitrobenzene	66	U	370	66	1	03/08/22 22:30	3/3/22	
Pentachlorophenol (PCP)	370	U	1900	370	1	03/08/22 22:30	3/3/22	
Phenanthrene	**150**	**J**	370	52	1	03/08/22 22:30	3/3/22	
Phenol	74	U	370	74	1	03/08/22 22:30	3/3/22	
Pyrene	**300**	**J**	370	61	1	03/08/22 22:30	3/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	78	15 - 142	03/08/22 22:30	
2-Fluorobiphenyl	69	25 - 114	03/08/22 22:30	
2-Fluorophenol	69	18 - 98	03/08/22 22:30	
Nitrobenzene-d5	72	14 - 104	03/08/22 22:30	
Phenol-d6	69	18 - 103	03/08/22 22:30	
Terphenyl-d14	81	38 - 141	03/08/22 22:30	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:55
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP2-3FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-004	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	85	U	380	85	1	03/08/22 22:58	3/3/22	
2,3,4,6-Tetrachlorophenol	140	U	380	140	1	03/08/22 22:58	3/3/22	
2,4,5-Trichlorophenol	94	U	380	94	1	03/08/22 22:58	3/3/22	
2,4,6-Trichlorophenol	85	U	380	85	1	03/08/22 22:58	3/3/22	
2,4-Dichlorophenol	74	U	380	74	1	03/08/22 22:58	3/3/22	
2,4-Dimethylphenol	69	U	380	69	1	03/08/22 22:58	3/3/22	
2,4-Dinitrophenol	650	U	2000	650	1	03/08/22 22:58	3/3/22	
2,4-Dinitrotoluene	150	U	380	150	1	03/08/22 22:58	3/3/22	
2,6-Dinitrotoluene	83	U	380	83	1	03/08/22 22:58	3/3/22	
2-Chloronaphthalene	77	U	380	77	1	03/08/22 22:58	3/3/22	
2-Chlorophenol	64	U	380	64	1	03/08/22 22:58	3/3/22	
2-Methylnaphthalene	140	U	380	140	1	03/08/22 22:58	3/3/22	
2-Methylphenol	79	U	380	79	1	03/08/22 22:58	3/3/22	
2-Nitroaniline	90	U	2000	90	1	03/08/22 22:58	3/3/22	
2-Nitrophenol	89	U	380	89	1	03/08/22 22:58	3/3/22	
3,3'-Dichlorobenzidine	43	U	380	43	1	03/08/22 22:58	3/3/22	
3- and 4-Methylphenol Coelution	73	U	380	73	1	03/08/22 22:58	3/3/22	
3-Nitroaniline	77	U	2000	77	1	03/08/22 22:58	3/3/22	
4,6-Dinitro-2-methylphenol	220	U	2000	220	1	03/08/22 22:58	3/3/22	
4-Bromophenyl Phenyl Ether	110	U	380	110	1	03/08/22 22:58	3/3/22	
4-Chloro-3-methylphenol	77	U	380	77	1	03/08/22 22:58	3/3/22	
4-Chloroaniline	65	U	380	65	1	03/08/22 22:58	3/3/22	
4-Chlorophenyl Phenyl Ether	82	U	380	82	1	03/08/22 22:58	3/3/22	
4-Nitroaniline	83	U	2000	83	1	03/08/22 22:58	3/3/22	
4-Nitrophenol	77	U	2000	77	1	03/08/22 22:58	3/3/22	
Acenaphthene	72	U	380	72	1	03/08/22 22:58	3/3/22	
Acenaphthylene	**88**	**J**	380	77	1	03/08/22 22:58	3/3/22	
Acetophenone	110	U	380	110	1	03/08/22 22:58	3/3/22	
Anthracene	**84**	**J**	380	64	1	03/08/22 22:58	3/3/22	
Atrazine	120	U	380	120	1	03/08/22 22:58	3/3/22	
Benz(a)anthracene	**300**	**J**	380	57	1	03/08/22 22:58	3/3/22	
Benzaldehyde	92	U	2000	92	1	03/08/22 22:58	3/3/22	
Benzo(a)pyrene	**450**		380	110	1	03/08/22 22:58	3/3/22	
Benzo(b)fluoranthene	**410**		380	64	1	03/08/22 22:58	3/3/22	
Benzo(g,h,i)perylene	**330**	**J**	380	88	1	03/08/22 22:58	3/3/22	
Benzo(k)fluoranthene	**150**	**J**	380	62	1	03/08/22 22:58	3/3/22	
Biphenyl	120	U	380	120	1	03/08/22 22:58	3/3/22	
2,2'-Oxybis(1-chloropropane)	78	U	380	78	1	03/08/22 22:58	3/3/22	
Bis(2-chloroethoxy)methane	93	U	380	93	1	03/08/22 22:58	3/3/22	
Bis(2-chloroethyl) Ether	75	U	380	75	1	03/08/22 22:58	3/3/22	
Bis(2-ethylhexyl) Phthalate	**75**	**J**	580	70	1	03/08/22 22:58	3/3/22	
Butyl Benzyl Phthalate	46	U	380	46	1	03/08/22 22:58	3/3/22	
Caprolactam	84	U	380	84	1	03/08/22 22:58	3/3/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:55
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP2-3FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-004	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	62	U	380	62	1	03/08/22 22:58	3/3/22	
Chrysene	**300**	**J**	380	56	1	03/08/22 22:58	3/3/22	
Di-n-butyl Phthalate	62	U	380	62	1	03/08/22 22:58	3/3/22	
Di-n-octyl Phthalate	140	U	380	140	1	03/08/22 22:58	3/3/22	
Dibenz(a,h)anthracene	83	U	380	83	1	03/08/22 22:58	3/3/22	
Dibenzofuran	70	U	380	70	1	03/08/22 22:58	3/3/22	
Diethyl Phthalate	68	U	380	68	1	03/08/22 22:58	3/3/22	
Dimethyl Phthalate	73	U	380	73	1	03/08/22 22:58	3/3/22	
Fluoranthene	**600**		380	96	1	03/08/22 22:58	3/3/22	
Fluorene	72	U	380	72	1	03/08/22 22:58	3/3/22	
Hexachlorobenzene	92	U	380	92	1	03/08/22 22:58	3/3/22	
Hexachlorobutadiene	140	U	380	140	1	03/08/22 22:58	3/3/22	
Hexachlorocyclopentadiene	130	U	380	130	1	03/08/22 22:58	3/3/22	
Hexachloroethane	72	U	380	72	1	03/08/22 22:58	3/3/22	
Indeno(1,2,3-cd)pyrene	**300**	**J**	380	130	1	03/08/22 22:58	3/3/22	
Isophorone	80	U	380	80	1	03/08/22 22:58	3/3/22	
N-Nitrosodi-n-propylamine	120	U	380	120	1	03/08/22 22:58	3/3/22	
N-Nitrosodiphenylamine	240	U	380	240	1	03/08/22 22:58	3/3/22	
Naphthalene	72	U	380	72	1	03/08/22 22:58	3/3/22	
Nitrobenzene	68	U	380	68	1	03/08/22 22:58	3/3/22	
Pentachlorophenol (PCP)	380	U	2000	380	1	03/08/22 22:58	3/3/22	
Phenanthrene	**360**	**J**	380	54	1	03/08/22 22:58	3/3/22	
Phenol	77	U	380	77	1	03/08/22 22:58	3/3/22	
Pyrene	**560**		380	64	1	03/08/22 22:58	3/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	76	15 - 142	03/08/22 22:58	
2-Fluorobiphenyl	64	25 - 114	03/08/22 22:58	
2-Fluorophenol	65	18 - 98	03/08/22 22:58	
Nitrobenzene-d5	69	14 - 104	03/08/22 22:58	
Phenol-d6	64	18 - 103	03/08/22 22:58	
Terphenyl-d14	78	38 - 141	03/08/22 22:58	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:10
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP3-3FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-005	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	170	U	770	170	2	03/09/22 14:56	3/3/22	
2,3,4,6-Tetrachlorophenol	270	U	770	270	2	03/09/22 14:56	3/3/22	
2,4,5-Trichlorophenol	190	U	770	190	2	03/09/22 14:56	3/3/22	
2,4,6-Trichlorophenol	170	U	770	170	2	03/09/22 14:56	3/3/22	
2,4-Dichlorophenol	150	U	770	150	2	03/09/22 14:56	3/3/22	
2,4-Dimethylphenol	140	U	770	140	2	03/09/22 14:56	3/3/22	
2,4-Dinitrophenol	1300	U	3900	1300	2	03/09/22 14:56	3/3/22	
2,4-Dinitrotoluene	300	U	770	300	2	03/09/22 14:56	3/3/22	
2,6-Dinitrotoluene	170	U	770	170	2	03/09/22 14:56	3/3/22	
2-Chloronaphthalene	160	U	770	160	2	03/09/22 14:56	3/3/22	
2-Chlorophenol	130	U	770	130	2	03/09/22 14:56	3/3/22	
2-Methylnaphthalene	270	U	770	270	2	03/09/22 14:56	3/3/22	
2-Methylphenol	160	U	770	160	2	03/09/22 14:56	3/3/22	
2-Nitroaniline	190	U	3900	190	2	03/09/22 14:56	3/3/22	
2-Nitrophenol	180	U	770	180	2	03/09/22 14:56	3/3/22	
3,3'-Dichlorobenzidine	86	U	770	86	2	03/09/22 14:56	3/3/22	
3- and 4-Methylphenol Coelution	150	U	770	150	2	03/09/22 14:56	3/3/22	
3-Nitroaniline	160	U	3900	160	2	03/09/22 14:56	3/3/22	
4,6-Dinitro-2-methylphenol	440	U	3900	440	2	03/09/22 14:56	3/3/22	
4-Bromophenyl Phenyl Ether	210	U	770	210	2	03/09/22 14:56	3/3/22	
4-Chloro-3-methylphenol	160	U	770	160	2	03/09/22 14:56	3/3/22	
4-Chloroaniline	130	U	770	130	2	03/09/22 14:56	3/3/22	
4-Chlorophenyl Phenyl Ether	170	U	770	170	2	03/09/22 14:56	3/3/22	
4-Nitroaniline	170	U	3900	170	2	03/09/22 14:56	3/3/22	
4-Nitrophenol	160	U	3900	160	2	03/09/22 14:56	3/3/22	
Acenaphthene	150	U	770	150	2	03/09/22 14:56	3/3/22	
Acenaphthylene	160	U	770	160	2	03/09/22 14:56	3/3/22	
Acetophenone	230	U	770	230	2	03/09/22 14:56	3/3/22	
Anthracene	**170**	**J**	770	130	2	03/09/22 14:56	3/3/22	
Atrazine	230	U	770	230	2	03/09/22 14:56	3/3/22	
Benz(a)anthracene	**1000**		770	120	2	03/09/22 14:56	3/3/22	
Benzaldehyde	190	U	3900	190	2	03/09/22 14:56	3/3/22	
Benzo(a)pyrene	**1100**		770	210	2	03/09/22 14:56	3/3/22	
Benzo(b)fluoranthene	**1100**		770	130	2	03/09/22 14:56	3/3/22	
Benzo(g,h,i)perylene	**620**	**J**	770	180	2	03/09/22 14:56	3/3/22	
Benzo(k)fluoranthene	**400**	**J**	770	130	2	03/09/22 14:56	3/3/22	
Biphenyl	230	U	770	230	2	03/09/22 14:56	3/3/22	
2,2'-Oxybis(1-chloropropane)	160	U	770	160	2	03/09/22 14:56	3/3/22	
Bis(2-chloroethoxy)methane	190	U	770	190	2	03/09/22 14:56	3/3/22	
Bis(2-chloroethyl) Ether	160	U	770	160	2	03/09/22 14:56	3/3/22	
Bis(2-ethylhexyl) Phthalate	140	U	1200	140	2	03/09/22 14:56	3/3/22	
Butyl Benzyl Phthalate	92	U	770	92	2	03/09/22 14:56	3/3/22	
Caprolactam	170	U	770	170	2	03/09/22 14:56	3/3/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:10
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP3-3FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-005	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	130 U	770	130	2	03/09/22 14:56	3/3/22	
Chrysene	**980**	770	120	2	03/09/22 14:56	3/3/22	
Di-n-butyl Phthalate	130 U	770	130	2	03/09/22 14:56	3/3/22	
Di-n-octyl Phthalate	270 U	770	270	2	03/09/22 14:56	3/3/22	
Dibenz(a,h)anthracene	170 U	770	170	2	03/09/22 14:56	3/3/22	
Dibenzofuran	140 U	770	140	2	03/09/22 14:56	3/3/22	
Diethyl Phthalate	140 U	770	140	2	03/09/22 14:56	3/3/22	
Dimethyl Phthalate	150 U	770	150	2	03/09/22 14:56	3/3/22	
Fluoranthene	**1700**	770	200	2	03/09/22 14:56	3/3/22	
Fluorene	150 U	770	150	2	03/09/22 14:56	3/3/22	
Hexachlorobenzene	190 U	770	190	2	03/09/22 14:56	3/3/22	
Hexachlorobutadiene	270 U	770	270	2	03/09/22 14:56	3/3/22	
Hexachlorocyclopentadiene	250 U	770	250	2	03/09/22 14:56	3/3/22	
Hexachloroethane	150 U	770	150	2	03/09/22 14:56	3/3/22	
Indeno(1,2,3-cd)pyrene	**650 J**	770	250	2	03/09/22 14:56	3/3/22	
Isophorone	160 U	770	160	2	03/09/22 14:56	3/3/22	
N-Nitrosodi-n-propylamine	240 U	770	240	2	03/09/22 14:56	3/3/22	
N-Nitrosodiphenylamine	480 U	770	480	2	03/09/22 14:56	3/3/22	
Naphthalene	150 U	770	150	2	03/09/22 14:56	3/3/22	
Nitrobenzene	140 U	770	140	2	03/09/22 14:56	3/3/22	
Pentachlorophenol (PCP)	760 U	3900	760	2	03/09/22 14:56	3/3/22	
Phenanthrene	**740 J**	770	110	2	03/09/22 14:56	3/3/22	
Phenol	160 U	770	160	2	03/09/22 14:56	3/3/22	
Pyrene	**1900**	770	130	2	03/09/22 14:56	3/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	74	15 - 142	03/09/22 14:56	
2-Fluorobiphenyl	65	25 - 114	03/09/22 14:56	
2-Fluorophenol	66	18 - 98	03/09/22 14:56	
Nitrobenzene-d5	68	14 - 104	03/09/22 14:56	
Phenol-d6	66	18 - 103	03/09/22 14:56	
Terphenyl-d14	79	38 - 141	03/09/22 14:56	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:54
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP3-4FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-006	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	170 U	740	170	2	03/09/22 15:24	3/3/22	
2,3,4,6-Tetrachlorophenol	260 U	740	260	2	03/09/22 15:24	3/3/22	
2,4,5-Trichlorophenol	190 U	740	190	2	03/09/22 15:24	3/3/22	
2,4,6-Trichlorophenol	170 U	740	170	2	03/09/22 15:24	3/3/22	
2,4-Dichlorophenol	150 U	740	150	2	03/09/22 15:24	3/3/22	
2,4-Dimethylphenol	140 U	740	140	2	03/09/22 15:24	3/3/22	
2,4-Dinitrophenol	1300 U	3800	1300	2	03/09/22 15:24	3/3/22	
2,4-Dinitrotoluene	290 U	740	290	2	03/09/22 15:24	3/3/22	
2,6-Dinitrotoluene	170 U	740	170	2	03/09/22 15:24	3/3/22	
2-Chloronaphthalene	150 U	740	150	2	03/09/22 15:24	3/3/22	
2-Chlorophenol	130 U	740	130	2	03/09/22 15:24	3/3/22	
2-Methylnaphthalene	270 U	740	270	2	03/09/22 15:24	3/3/22	
2-Methylphenol	160 U	740	160	2	03/09/22 15:24	3/3/22	
2-Nitroaniline	180 U	3800	180	2	03/09/22 15:24	3/3/22	
2-Nitrophenol	180 U	740	180	2	03/09/22 15:24	3/3/22	
3,3'-Dichlorobenzidine	83 U	740	83	2	03/09/22 15:24	3/3/22	
3- and 4-Methylphenol Coelution	150 U	740	150	2	03/09/22 15:24	3/3/22	
3-Nitroaniline	150 U	3800	150	2	03/09/22 15:24	3/3/22	
4,6-Dinitro-2-methylphenol	420 U	3800	420	2	03/09/22 15:24	3/3/22	
4-Bromophenyl Phenyl Ether	200 U	740	200	2	03/09/22 15:24	3/3/22	
4-Chloro-3-methylphenol	150 U	740	150	2	03/09/22 15:24	3/3/22	
4-Chloroaniline	130 U	740	130	2	03/09/22 15:24	3/3/22	
4-Chlorophenyl Phenyl Ether	160 U	740	160	2	03/09/22 15:24	3/3/22	
4-Nitroaniline	160 U	3800	160	2	03/09/22 15:24	3/3/22	
4-Nitrophenol	150 U	3800	150	2	03/09/22 15:24	3/3/22	
Acenaphthene	140 U	740	140	2	03/09/22 15:24	3/3/22	
Acenaphthylene	150 U	740	150	2	03/09/22 15:24	3/3/22	
Acetophenone	220 U	740	220	2	03/09/22 15:24	3/3/22	
Anthracene	130 U	740	130	2	03/09/22 15:24	3/3/22	
Atrazine	220 U	740	220	2	03/09/22 15:24	3/3/22	
Benz(a)anthracene	**220 J**	740	110	2	03/09/22 15:24	3/3/22	
Benzaldehyde	180 U	3800	180	2	03/09/22 15:24	3/3/22	
Benzo(a)pyrene	**290 J**	740	200	2	03/09/22 15:24	3/3/22	
Benzo(b)fluoranthene	**270 J**	740	130	2	03/09/22 15:24	3/3/22	
Benzo(g,h,i)perylene	170 U	740	170	2	03/09/22 15:24	3/3/22	
Benzo(k)fluoranthene	120 U	740	120	2	03/09/22 15:24	3/3/22	
Biphenyl	220 U	740	220	2	03/09/22 15:24	3/3/22	
2,2'-Oxybis(1-chloropropane)	160 U	740	160	2	03/09/22 15:24	3/3/22	
Bis(2-chloroethoxy)methane	190 U	740	190	2	03/09/22 15:24	3/3/22	
Bis(2-chloroethyl) Ether	150 U	740	150	2	03/09/22 15:24	3/3/22	
Bis(2-ethylhexyl) Phthalate	140 U	1100	140	2	03/09/22 15:24	3/3/22	
Butyl Benzyl Phthalate	89 U	740	89	2	03/09/22 15:24	3/3/22	
Caprolactam	170 U	740	170	2	03/09/22 15:24	3/3/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:54
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP3-4FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-006	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	120 U	740	120	2	03/09/22 15:24	3/3/22	
Chrysene	**210 J**	740	110	2	03/09/22 15:24	3/3/22	
Di-n-butyl Phthalate	120 U	740	120	2	03/09/22 15:24	3/3/22	
Di-n-octyl Phthalate	260 U	740	260	2	03/09/22 15:24	3/3/22	
Dibenz(a,h)anthracene	170 U	740	170	2	03/09/22 15:24	3/3/22	
Dibenzofuran	140 U	740	140	2	03/09/22 15:24	3/3/22	
Diethyl Phthalate	140 U	740	140	2	03/09/22 15:24	3/3/22	
Dimethyl Phthalate	150 U	740	150	2	03/09/22 15:24	3/3/22	
Fluoranthene	**370 J**	740	190	2	03/09/22 15:24	3/3/22	
Fluorene	140 U	740	140	2	03/09/22 15:24	3/3/22	
Hexachlorobenzene	180 U	740	180	2	03/09/22 15:24	3/3/22	
Hexachlorobutadiene	270 U	740	270	2	03/09/22 15:24	3/3/22	
Hexachlorocyclopentadiene	240 U	740	240	2	03/09/22 15:24	3/3/22	
Hexachloroethane	140 U	740	140	2	03/09/22 15:24	3/3/22	
Indeno(1,2,3-cd)pyrene	240 U	740	240	2	03/09/22 15:24	3/3/22	
Isophorone	160 U	740	160	2	03/09/22 15:24	3/3/22	
N-Nitrosodi-n-propylamine	230 U	740	230	2	03/09/22 15:24	3/3/22	
N-Nitrosodiphenylamine	470 U	740	470	2	03/09/22 15:24	3/3/22	
Naphthalene	140 U	740	140	2	03/09/22 15:24	3/3/22	
Nitrobenzene	140 U	740	140	2	03/09/22 15:24	3/3/22	
Pentachlorophenol (PCP)	740 U	3800	740	2	03/09/22 15:24	3/3/22	
Phenanthrene	**180 J**	740	110	2	03/09/22 15:24	3/3/22	
Phenol	150 U	740	150	2	03/09/22 15:24	3/3/22	
Pyrene	**390 J**	740	130	2	03/09/22 15:24	3/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	80	15 - 142	03/09/22 15:24	
2-Fluorobiphenyl	72	25 - 114	03/09/22 15:24	
2-Fluorophenol	73	18 - 98	03/09/22 15:24	
Nitrobenzene-d5	74	14 - 104	03/09/22 15:24	
Phenol-d6	74	18 - 103	03/09/22 15:24	
Terphenyl-d14	90	38 - 141	03/09/22 15:24	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:00
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP4-5FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-007	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	170	U	730	170	2	03/09/22 15:53	3/3/22	
2,3,4,6-Tetrachlorophenol	260	U	730	260	2	03/09/22 15:53	3/3/22	
2,4,5-Trichlorophenol	180	U	730	180	2	03/09/22 15:53	3/3/22	
2,4,6-Trichlorophenol	170	U	730	170	2	03/09/22 15:53	3/3/22	
2,4-Dichlorophenol	150	U	730	150	2	03/09/22 15:53	3/3/22	
2,4-Dimethylphenol	140	U	730	140	2	03/09/22 15:53	3/3/22	
2,4-Dinitrophenol	1300	U	3800	1300	2	03/09/22 15:53	3/3/22	
2,4-Dinitrotoluene	290	U	730	290	2	03/09/22 15:53	3/3/22	
2,6-Dinitrotoluene	160	U	730	160	2	03/09/22 15:53	3/3/22	
2-Chloronaphthalene	150	U	730	150	2	03/09/22 15:53	3/3/22	
2-Chlorophenol	130	U	730	130	2	03/09/22 15:53	3/3/22	
2-Methylnaphthalene	260	U	730	260	2	03/09/22 15:53	3/3/22	
2-Methylphenol	160	U	730	160	2	03/09/22 15:53	3/3/22	
2-Nitroaniline	180	U	3800	180	2	03/09/22 15:53	3/3/22	
2-Nitrophenol	170	U	730	170	2	03/09/22 15:53	3/3/22	
3,3'-Dichlorobenzidine	82	U	730	82	2	03/09/22 15:53	3/3/22	
3- and 4-Methylphenol Coelution	140	U	730	140	2	03/09/22 15:53	3/3/22	
3-Nitroaniline	150	U	3800	150	2	03/09/22 15:53	3/3/22	
4,6-Dinitro-2-methylphenol	420	U	3800	420	2	03/09/22 15:53	3/3/22	
4-Bromophenyl Phenyl Ether	200	U	730	200	2	03/09/22 15:53	3/3/22	
4-Chloro-3-methylphenol	150	U	730	150	2	03/09/22 15:53	3/3/22	
4-Chloroaniline	130	U	730	130	2	03/09/22 15:53	3/3/22	
4-Chlorophenyl Phenyl Ether	160	U	730	160	2	03/09/22 15:53	3/3/22	
4-Nitroaniline	160	U	3800	160	2	03/09/22 15:53	3/3/22	
4-Nitrophenol	150	U	3800	150	2	03/09/22 15:53	3/3/22	
Acenaphthene	**540**	**J**	730	140	2	03/09/22 15:53	3/3/22	
Acenaphthylene	150	U	730	150	2	03/09/22 15:53	3/3/22	
Acetophenone	220	U	730	220	2	03/09/22 15:53	3/3/22	
Anthracene	**520**	**J**	730	130	2	03/09/22 15:53	3/3/22	
Atrazine	220	U	730	220	2	03/09/22 15:53	3/3/22	
Benz(a)anthracene	**1600**		730	110	2	03/09/22 15:53	3/3/22	
Benzaldehyde	180	U	3800	180	2	03/09/22 15:53	3/3/22	
Benzo(a)pyrene	**2000**		730	200	2	03/09/22 15:53	3/3/22	
Benzo(b)fluoranthene	**2100**		730	130	2	03/09/22 15:53	3/3/22	
Benzo(g,h,i)perylene	**1100**		730	170	2	03/09/22 15:53	3/3/22	
Benzo(k)fluoranthene	**720**	**J**	730	120	2	03/09/22 15:53	3/3/22	
Biphenyl	220	U	730	220	2	03/09/22 15:53	3/3/22	
2,2'-Oxybis(1-chloropropane)	150	U	730	150	2	03/09/22 15:53	3/3/22	
Bis(2-chloroethoxy)methane	180	U	730	180	2	03/09/22 15:53	3/3/22	
Bis(2-chloroethyl) Ether	150	U	730	150	2	03/09/22 15:53	3/3/22	
Bis(2-ethylhexyl) Phthalate	140	U	1100	140	2	03/09/22 15:53	3/3/22	
Butyl Benzyl Phthalate	88	U	730	88	2	03/09/22 15:53	3/3/22	
Caprolactam	170	U	730	170	2	03/09/22 15:53	3/3/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:00
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP4-5FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-007	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	**300**	**J**	730	120	2	03/09/22 15:53	3/3/22	
Chrysene	**1600**		730	110	2	03/09/22 15:53	3/3/22	
Di-n-butyl Phthalate	120	U	730	120	2	03/09/22 15:53	3/3/22	
Di-n-octyl Phthalate	260	U	730	260	2	03/09/22 15:53	3/3/22	
Dibenz(a,h)anthracene	**260**	**J**	730	160	2	03/09/22 15:53	3/3/22	
Dibenzofuran	**160**	**J**	730	140	2	03/09/22 15:53	3/3/22	
Diethyl Phthalate	130	U	730	130	2	03/09/22 15:53	3/3/22	
Dimethyl Phthalate	140	U	730	140	2	03/09/22 15:53	3/3/22	
Fluoranthene	**3300**		730	190	2	03/09/22 15:53	3/3/22	
Fluorene	**250**	**J**	730	140	2	03/09/22 15:53	3/3/22	
Hexachlorobenzene	180	U	730	180	2	03/09/22 15:53	3/3/22	
Hexachlorobutadiene	260	U	730	260	2	03/09/22 15:53	3/3/22	
Hexachlorocyclopentadiene	240	U	730	240	2	03/09/22 15:53	3/3/22	
Hexachloroethane	140	U	730	140	2	03/09/22 15:53	3/3/22	
Indeno(1,2,3-cd)pyrene	**1200**		730	240	2	03/09/22 15:53	3/3/22	
Isophorone	160	U	730	160	2	03/09/22 15:53	3/3/22	
N-Nitrosodi-n-propylamine	230	U	730	230	2	03/09/22 15:53	3/3/22	
N-Nitrosodiphenylamine	460	U	730	460	2	03/09/22 15:53	3/3/22	
Naphthalene	**180**	**J**	730	140	2	03/09/22 15:53	3/3/22	
Nitrobenzene	140	U	730	140	2	03/09/22 15:53	3/3/22	
Pentachlorophenol (PCP)	730	U	3800	730	2	03/09/22 15:53	3/3/22	
Phenanthrene	**2400**		730	110	2	03/09/22 15:53	3/3/22	
Phenol	150	U	730	150	2	03/09/22 15:53	3/3/22	
Pyrene	**3200**		730	130	2	03/09/22 15:53	3/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	68	15 - 142	03/09/22 15:53	
2-Fluorobiphenyl	60	25 - 114	03/09/22 15:53	
2-Fluorophenol	60	18 - 98	03/09/22 15:53	
Nitrobenzene-d5	62	14 - 104	03/09/22 15:53	
Phenol-d6	61	18 - 103	03/09/22 15:53	
Terphenyl-d14	76	38 - 141	03/09/22 15:53	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:05
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP4-3FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-008	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	410	U	1800	410	5	03/15/22 13:20	3/3/22	
2,3,4,6-Tetrachlorophenol	650	U	1800	650	5	03/15/22 13:20	3/3/22	
2,4,5-Trichlorophenol	460	U	1800	460	5	03/15/22 13:20	3/3/22	
2,4,6-Trichlorophenol	410	U	1800	410	5	03/15/22 13:20	3/3/22	
2,4-Dichlorophenol	360	U	1800	360	5	03/15/22 13:20	3/3/22	
2,4-Dimethylphenol	330	U	1800	330	5	03/15/22 13:20	3/3/22	
2,4-Dinitrophenol	3200	U	9500	3200	5	03/15/22 13:20	3/3/22	
2,4-Dinitrotoluene	710	U	1800	710	5	03/15/22 13:20	3/3/22	
2,6-Dinitrotoluene	410	U	1800	410	5	03/15/22 13:20	3/3/22	
2-Chloronaphthalene	370	U	1800	370	5	03/15/22 13:20	3/3/22	
2-Chlorophenol	310	U	1800	310	5	03/15/22 13:20	3/3/22	
2-Methylnaphthalene	650	U	1800	650	5	03/15/22 13:20	3/3/22	
2-Methylphenol	390	U	1800	390	5	03/15/22 13:20	3/3/22	
2-Nitroaniline	440	U	9500	440	5	03/15/22 13:20	3/3/22	
2-Nitrophenol	430	U	1800	430	5	03/15/22 13:20	3/3/22	
3,3'-Dichlorobenzidine	210	U	1800	210	5	03/15/22 13:20	3/3/22	
3- and 4-Methylphenol Coelution	360	U	1800	360	5	03/15/22 13:20	3/3/22	
3-Nitroaniline	370	U	9500	370	5	03/15/22 13:20	3/3/22	
4,6-Dinitro-2-methylphenol	1100	U	9500	1100	5	03/15/22 13:20	3/3/22	
4-Bromophenyl Phenyl Ether	490	U	1800	490	5	03/15/22 13:20	3/3/22	
4-Chloro-3-methylphenol	380	U	1800	380	5	03/15/22 13:20	3/3/22	
4-Chloroaniline	320	U	1800	320	5	03/15/22 13:20	3/3/22	
4-Chlorophenyl Phenyl Ether	400	U	1800	400	5	03/15/22 13:20	3/3/22	
4-Nitroaniline	400	U	9500	400	5	03/15/22 13:20	3/3/22	
4-Nitrophenol	370	U	9500	370	5	03/15/22 13:20	3/3/22	
Acenaphthene	350	U	1800	350	5	03/15/22 13:20	3/3/22	
Acenaphthylene	**1600**	**J**	1800	380	5	03/15/22 13:20	3/3/22	
Acetophenone	530	U	1800	530	5	03/15/22 13:20	3/3/22	
Anthracene	**740**	**J**	1800	310	5	03/15/22 13:20	3/3/22	
Atrazine	550	U	1800	550	5	03/15/22 13:20	3/3/22	
Benz(a)anthracene	**1600**	**J**	1800	280	5	03/15/22 13:20	3/3/22	
Benzaldehyde	450	U	9500	450	5	03/15/22 13:20	3/3/22	
Benzo(a)pyrene	**2600**		1800	490	5	03/15/22 13:20	3/3/22	
Benzo(b)fluoranthene	**2600**		1800	310	5	03/15/22 13:20	3/3/22	
Benzo(g,h,i)perylene	**3100**		1800	430	5	03/15/22 13:20	3/3/22	
Benzo(k)fluoranthene	**840**	**J**	1800	300	5	03/15/22 13:20	3/3/22	
Biphenyl	550	U	1800	550	5	03/15/22 13:20	3/3/22	
2,2'-Oxybis(1-chloropropane)	380	U	1800	380	5	03/15/22 13:20	3/3/22	
Bis(2-chloroethoxy)methane	450	U	1800	450	5	03/15/22 13:20	3/3/22	
Bis(2-chloroethyl) Ether	370	U	1800	370	5	03/15/22 13:20	3/3/22	
Bis(2-ethylhexyl) Phthalate	340	U	2800	340	5	03/15/22 13:20	3/3/22	
Butyl Benzyl Phthalate	230	U	1800	230	5	03/15/22 13:20	3/3/22	
Caprolactam	410	U	1800	410	5	03/15/22 13:20	3/3/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:05
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP4-3FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-008	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	**390**	**J**	1800	300	5	03/15/22 13:20	3/3/22	
Chrysene	**1600**	**J**	1800	280	5	03/15/22 13:20	3/3/22	
Di-n-butyl Phthalate	300	U	1800	300	5	03/15/22 13:20	3/3/22	
Di-n-octyl Phthalate	650	U	1800	650	5	03/15/22 13:20	3/3/22	
Dibenz(a,h)anthracene	**560**	**J**	1800	400	5	03/15/22 13:20	3/3/22	
Dibenzofuran	340	U	1800	340	5	03/15/22 13:20	3/3/22	
Diethyl Phthalate	330	U	1800	330	5	03/15/22 13:20	3/3/22	
Dimethyl Phthalate	350	U	1800	350	5	03/15/22 13:20	3/3/22	
Fluoranthene	**3200**		1800	470	5	03/15/22 13:20	3/3/22	
Fluorene	**400**	**J**	1800	350	5	03/15/22 13:20	3/3/22	
Hexachlorobenzene	450	U	1800	450	5	03/15/22 13:20	3/3/22	
Hexachlorobutadiene	650	U	1800	650	5	03/15/22 13:20	3/3/22	
Hexachlorocyclopentadiene	590	U	1800	590	5	03/15/22 13:20	3/3/22	
Hexachloroethane	350	U	1800	350	5	03/15/22 13:20	3/3/22	
Indeno(1,2,3-cd)pyrene	**2600**		1800	600	5	03/15/22 13:20	3/3/22	
Isophorone	390	U	1800	390	5	03/15/22 13:20	3/3/22	
N-Nitrosodi-n-propylamine	570	U	1800	570	5	03/15/22 13:20	3/3/22	
N-Nitrosodiphenylamine	1200	U	1800	1200	5	03/15/22 13:20	3/3/22	
Naphthalene	**500**	**J**	1800	350	5	03/15/22 13:20	3/3/22	
Nitrobenzene	330	U	1800	330	5	03/15/22 13:20	3/3/22	
Pentachlorophenol (PCP)	1900	U	9500	1900	5	03/15/22 13:20	3/3/22	
Phenanthrene	**2800**		1800	260	5	03/15/22 13:20	3/3/22	
Phenol	370	U	1800	370	5	03/15/22 13:20	3/3/22	
Pyrene	**3000**		1800	310	5	03/15/22 13:20	3/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	79	15 - 142	03/15/22 13:20	
2-Fluorobiphenyl	79	25 - 114	03/15/22 13:20	
2-Fluorophenol	75	18 - 98	03/15/22 13:20	
Nitrobenzene-d5	76	14 - 104	03/15/22 13:20	
Phenol-d6	75	18 - 103	03/15/22 13:20	
Terphenyl-d14	97	38 - 141	03/15/22 13:20	

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
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Phone (585) 288-5380 Fax (585) 288-8475
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Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:50
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP01-3FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-001	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	40 U	40	1	03/16/22 19:39	3/4/22	
Aroclor 1221	81 U	81	1	03/16/22 19:39	3/4/22	
Aroclor 1232	40 U	40	1	03/16/22 19:39	3/4/22	
Aroclor 1242	40 U	40	1	03/16/22 19:39	3/4/22	
Aroclor 1248	40 U	40	1	03/16/22 19:39	3/4/22	
Aroclor 1254	40 U	40	1	03/16/22 19:39	3/4/22	
Aroclor 1260	40 U	40	1	03/16/22 19:39	3/4/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	70	22 - 128	03/16/22 19:39	
Tetrachloro-m-xylene	79	14 - 119	03/16/22 19:39	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:40
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP01-5FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-002	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	37 U	37	1	03/16/22 20:38	3/4/22	
Aroclor 1221	75 U	75	1	03/16/22 20:38	3/4/22	
Aroclor 1232	37 U	37	1	03/16/22 20:38	3/4/22	
Aroclor 1242	37 U	37	1	03/16/22 20:38	3/4/22	
Aroclor 1248	37 U	37	1	03/16/22 20:38	3/4/22	
Aroclor 1254	37 U	37	1	03/16/22 20:38	3/4/22	
Aroclor 1260	37 U	37	1	03/16/22 20:38	3/4/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	69	22 - 128	03/16/22 20:38	
Tetrachloro-m-xylene	77	14 - 119	03/16/22 20:38	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:45
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP2-5FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-003	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	36 U	36	1	03/16/22 21:17	3/4/22	
Aroclor 1221	73 U	73	1	03/16/22 21:17	3/4/22	
Aroclor 1232	36 U	36	1	03/16/22 21:17	3/4/22	
Aroclor 1242	36 U	36	1	03/16/22 21:17	3/4/22	
Aroclor 1248	36 U	36	1	03/16/22 21:17	3/4/22	
Aroclor 1254	36 U	36	1	03/16/22 21:17	3/4/22	
Aroclor 1260	36 U	36	1	03/16/22 21:17	3/4/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	75	22 - 128	03/16/22 21:17	
Tetrachloro-m-xylene	75	14 - 119	03/16/22 21:17	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:55
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP2-3FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-004	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	37 U	37	1	03/16/22 21:37	3/4/22	
Aroclor 1221	75 U	75	1	03/16/22 21:37	3/4/22	
Aroclor 1232	37 U	37	1	03/16/22 21:37	3/4/22	
Aroclor 1242	37 U	37	1	03/16/22 21:37	3/4/22	
Aroclor 1248	37 U	37	1	03/16/22 21:37	3/4/22	
Aroclor 1254	37 U	37	1	03/16/22 21:37	3/4/22	
Aroclor 1260	37 U	37	1	03/16/22 21:37	3/4/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	78	22 - 128	03/16/22 21:37	
Tetrachloro-m-xylene	77	14 - 119	03/16/22 21:37	

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:10
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP3-3FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-005	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	37 U	37	1	03/16/22 21:57	3/4/22	
Aroclor 1221	74 U	74	1	03/16/22 21:57	3/4/22	
Aroclor 1232	37 U	37	1	03/16/22 21:57	3/4/22	
Aroclor 1242	37 U	37	1	03/16/22 21:57	3/4/22	
Aroclor 1248	37 U	37	1	03/16/22 21:57	3/4/22	
Aroclor 1254	37 U	37	1	03/16/22 21:57	3/4/22	
Aroclor 1260	37 U	37	1	03/16/22 21:57	3/4/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	71	22 - 128	03/16/22 21:57	
Tetrachloro-m-xylene	66	14 - 119	03/16/22 21:57	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:54
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP3-4FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-006	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	35 U	35	1	03/16/22 22:16	3/4/22	
Aroclor 1221	71 U	71	1	03/16/22 22:16	3/4/22	
Aroclor 1232	35 U	35	1	03/16/22 22:16	3/4/22	
Aroclor 1242	35 U	35	1	03/16/22 22:16	3/4/22	
Aroclor 1248	35 U	35	1	03/16/22 22:16	3/4/22	
Aroclor 1254	35 U	35	1	03/16/22 22:16	3/4/22	
Aroclor 1260	35 U	35	1	03/16/22 22:16	3/4/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	70	22 - 128	03/16/22 22:16	
Tetrachloro-m-xylene	74	14 - 119	03/16/22 22:16	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:00
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP4-5FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-007	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	36 U	36	1	03/16/22 22:36	3/4/22	
Aroclor 1221	72 U	72	1	03/16/22 22:36	3/4/22	
Aroclor 1232	36 U	36	1	03/16/22 22:36	3/4/22	
Aroclor 1242	36 U	36	1	03/16/22 22:36	3/4/22	
Aroclor 1248	36 U	36	1	03/16/22 22:36	3/4/22	
Aroclor 1254	36 U	36	1	03/16/22 22:36	3/4/22	
Aroclor 1260	36 U	36	1	03/16/22 22:36	3/4/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	81	22 - 128	03/16/22 22:36	
Tetrachloro-m-xylene	52	14 - 119	03/16/22 22:36	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:05
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP4-3FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-008	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	36 U	36	1	03/18/22 12:43	3/4/22	
Aroclor 1221	74 U	74	1	03/18/22 12:43	3/4/22	
Aroclor 1232	36 U	36	1	03/18/22 12:43	3/4/22	
Aroclor 1242	36 U	36	1	03/18/22 12:43	3/4/22	
Aroclor 1248	36 U	36	1	03/18/22 12:43	3/4/22	
Aroclor 1254	**46**	36	1	03/18/22 12:43	3/4/22	
Aroclor 1260	36 U	36	1	03/18/22 12:43	3/4/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	68	22 - 128	03/18/22 12:43	
Tetrachloro-m-xylene	73	14 - 119	03/18/22 12:43	

Metals

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METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Anchor QEA, LLC
Project No.: R2201689
Project Name:
Matrix: SOIL

Service Request: HAE-TP01-3FT-022422
Date Collected: 2/24/2022
Date Received: 2/25/2022
Units: mg/Kg
Basis:

Sample Name: HAE-TP01-3FT-022422 **Lab Code:** R2201689-001

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Aluminum	6010C	22.0	13.2	1.0	5020		
Antimony	6010C	6.6	0.593	1.0	2.4	J	N
Arsenic	6010C	1.1	0.769	1.0	360		
Barium	6010C	2.2	1.7	1.0	328		
Beryllium	6010C	0.330	0.066	1.0	0.330	J	
Cadmium	6010C	0.549	0.095	1.0	0.440	J	
Mercury	7471B	20.0	7.8	1000.0	445		
Calcium	6010C	1100	352	10.0	13800		*
Chromium	6010C	1.1	0.385	1.0	65.4		N
Cobalt	6010C	5.5	0.091	1.0	4.9	J	
Copper	6010C	2.2	0.143	1.0	190		
Iron	6010C	220	143	10.0	14800		
Lead	6010C	54.9	4.4	10.0	1910		
Magnesium	6010C	110	14.3	1.0	2760		*
Manganese	6010C	2.2	0.176	1.0	278		*
Nickel	6010C	4.4	0.725	1.0	18.6		
Potassium	6010C	220	54.9	1.0	961		
Selenium	6010C	1.1	0.593	1.0	1.1	U	
Silver	6010C	1.1	0.099	1.0	1.3		
Sodium	6010C	110	20.9	1.0	216		
Thallium	6010C	1.1	0.714	1.0	1.1	U	
Vanadium	6010C	5.5	0.076	1.0	32.7		
Zinc	6010C	2.2	1.5	1.0	257		

% Solids: 91.0

Comments:

METALS
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INORGANIC ANALYSIS DATA PACKAGE

Client: Anchor QEA, LLC
Project No.: R2201689
Project Name:
Matrix: SOIL

Service Request: HAE-TP01-3FT-022422
Date Collected: 2/24/2022
Date Received: 2/25/2022
Units: mg/Kg
Basis:

Sample Name: HAE-TP01-5FT-022422 **Lab Code:** R2201689-002

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Aluminum	6010C	20.8	12.5	1.0	3270		
Antimony	6010C	6.2	0.562	1.0	4.9	J	N
Arsenic	6010C	1.0	0.728	1.0	113		
Barium	6010C	2.1	1.6	1.0	453		
Beryllium	6010C	0.312	0.062	1.0	0.291	J	
Cadmium	6010C	0.520	0.089	1.0	5.6		
Mercury	7471B	4.3	1.7	200.0	124		
Calcium	6010C	104	33.3	1.0	8450		*
Chromium	6010C	1.0	0.364	1.0	35.2		N
Cobalt	6010C	5.2	0.086	1.0	4.2	J	
Copper	6010C	2.1	0.135	1.0	98.5		
Iron	6010C	208	135	10.0	14700		
Lead	6010C	52.0	4.2	10.0	1420		
Magnesium	6010C	104	13.5	1.0	1880		*
Manganese	6010C	2.1	0.167	1.0	268		*
Nickel	6010C	4.2	0.687	1.0	14.6		
Potassium	6010C	208	52.0	1.0	615		
Selenium	6010C	1.0	0.562	1.0	1.0	U	
Silver	6010C	1.0	0.094	1.0	0.302	J	
Sodium	6010C	104	19.8	1.0	131		
Thallium	6010C	1.0	0.676	1.0	1.0	U	
Vanadium	6010C	5.2	0.072	1.0	27.3		
Zinc	6010C	20.8	14.6	10.0	1360		

% Solids: 92.4

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Anchor QEA, LLC
Project No.: R2201689
Project Name:
Matrix: SOIL

Service Request: HAE-TP01-3FT-022422
Date Collected: 2/24/2022
Date Received: 2/25/2022
Units: mg/Kg
Basis:

Sample Name: HAE-TP2-5FT-022422 **Lab Code:** R2201689-003

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Aluminum	6010C	20.3	12.2	1.0	5290		
Antimony	6010C	6.1	0.549	1.0	6.1	U	N
Arsenic	6010C	1.0	0.711	1.0	13.7		
Barium	6010C	2.0	1.5	1.0	148		
Beryllium	6010C	0.305	0.061	1.0	0.335		
Cadmium	6010C	0.508	0.087	1.0	0.203	J	
Mercury	7471B	22.0	8.6	1000.0	293		
Calcium	6010C	102	32.5	1.0	9420		*
Chromium	6010C	1.0	0.356	1.0	35.1		N
Cobalt	6010C	5.1	0.084	1.0	5.1		
Copper	6010C	2.0	0.132	1.0	84.9		
Iron	6010C	203	132	10.0	13200		
Lead	6010C	5.1	0.407	1.0	298		
Magnesium	6010C	102	13.2	1.0	4720		*
Manganese	6010C	2.0	0.163	1.0	256		*
Nickel	6010C	4.1	0.671	1.0	47.4		
Potassium	6010C	203	50.8	1.0	1240		
Selenium	6010C	1.0	0.549	1.0	1.0	U	
Silver	6010C	1.0	0.091	1.0	0.102	J	
Sodium	6010C	102	19.3	1.0	199		
Thallium	6010C	1.0	0.661	1.0	1.0	U	
Vanadium	6010C	5.1	0.070	1.0	24.5		
Zinc	6010C	2.0	1.4	1.0	130		

% Solids: 91.1

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Anchor QEA, LLC
Project No.: R2201689
Project Name:
Matrix: SOIL

Service Request: HAE-TP01-3FT-022422
Date Collected: 2/24/2022
Date Received: 2/25/2022
Units: mg/Kg
Basis:

Sample Name: HAE-TP2-3FT-022422 **Lab Code:** R2201689-004

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Aluminum	6010C	19.7	11.8	1.0	2610		
Antimony	6010C	5.9	0.533	1.0	5.9	U	N
Arsenic	6010C	0.987	0.691	1.0	15.1		
Barium	6010C	2.0	1.5	1.0	55.1		
Beryllium	6010C	0.296	0.059	1.0	0.168	J	
Cadmium	6010C	0.494	0.085	1.0	0.257	J	
Mercury	7471B	4.0	1.5	200.0	107		
Calcium	6010C	98.7	31.6	1.0	2040		*
Chromium	6010C	0.987	0.345	1.0	13.3		N
Cobalt	6010C	4.9	0.082	1.0	2.7	J	
Copper	6010C	2.0	0.128	1.0	183		
Iron	6010C	197	128	10.0	7590		
Lead	6010C	4.9	0.395	1.0	142		
Magnesium	6010C	98.7	12.8	1.0	1490		*
Manganese	6010C	2.0	0.158	1.0	126		*
Nickel	6010C	4.0	0.652	1.0	14.4		
Potassium	6010C	197	49.4	1.0	550		
Selenium	6010C	0.987	0.533	1.0	0.987	U	
Silver	6010C	0.987	0.089	1.0	0.148	J	
Sodium	6010C	98.7	18.8	1.0	81.3	J	
Thallium	6010C	0.987	0.642	1.0	0.987	U	
Vanadium	6010C	4.9	0.068	1.0	16.2		
Zinc	6010C	2.0	1.4	1.0	78.8		

% Solids: 93.8

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Anchor QEA, LLC
Project No.: R2201689
Project Name:
Matrix: SOIL

Service Request: HAE-TP01-3FT-022422
Date Collected: 2/24/2022
Date Received: 2/25/2022
Units: mg/Kg
Basis:

Sample Name: HAE-TP3-3FT-022422 **Lab Code:** R2201689-005

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Aluminum	6010C	19.8	11.9	1.0	3120		
Antimony	6010C	5.9	0.535	1.0	5.9	U	N
Arsenic	6010C	0.990	0.693	1.0	28.0		
Barium	6010C	2.0	1.5	1.0	77.3		
Beryllium	6010C	0.297	0.059	1.0	0.228	J	
Cadmium	6010C	0.495	0.085	1.0	0.297	J	
Mercury	7471B	2.0	0.772	100.0	41.3		
Calcium	6010C	99.0	31.7	1.0	4540		*
Chromium	6010C	0.990	0.347	1.0	11.9		N
Cobalt	6010C	5.0	0.082	1.0	6.0		
Copper	6010C	2.0	0.129	1.0	41.4		
Iron	6010C	198	129	10.0	10300		
Lead	6010C	5.0	0.396	1.0	217		
Magnesium	6010C	99.0	12.9	1.0	1730		*
Manganese	6010C	2.0	0.158	1.0	207		*
Nickel	6010C	4.0	0.654	1.0	8.6		
Potassium	6010C	198	49.5	1.0	498		
Selenium	6010C	0.990	0.535	1.0	0.990	U	
Silver	6010C	0.990	0.089	1.0	0.099	J	
Sodium	6010C	99.0	18.8	1.0	109		
Thallium	6010C	0.990	0.644	1.0	0.990	U	
Vanadium	6010C	5.0	0.068	1.0	13.1		
Zinc	6010C	2.0	1.4	1.0	146		

% Solids: 93.5

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Anchor QEA, LLC
Project No.: R2201689
Project Name:
Matrix: SOIL

Service Request: HAE-TP01-3FT-022422
Date Collected: 2/24/2022
Date Received: 2/25/2022
Units: mg/Kg
Basis:

Sample Name: HAE-TP3-4FT-022422 **Lab Code:** R2201689-006

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Aluminum	6010C	20.2	12.1	1.0	2390		
Antimony	6010C	6.1	0.545	1.0	6.1	U	N
Arsenic	6010C	1.0	0.707	1.0	21.9		
Barium	6010C	2.0	1.5	1.0	65.4		
Beryllium	6010C	0.303	0.061	1.0	0.162	J	
Cadmium	6010C	0.505	0.087	1.0	0.182	J	
Mercury	7471B	2.1	0.819	100.0	28.7		
Calcium	6010C	101	32.3	1.0	1650		*
Chromium	6010C	1.0	0.354	1.0	23.8		N
Cobalt	6010C	5.1	0.084	1.0	7.1		
Copper	6010C	2.0	0.131	1.0	41.7		
Iron	6010C	202	131	10.0	6900		
Lead	6010C	5.1	0.404	1.0	137		
Magnesium	6010C	101	13.1	1.0	1200		*
Manganese	6010C	2.0	0.162	1.0	142		*
Nickel	6010C	4.0	0.667	1.0	55.2		
Potassium	6010C	202	50.5	1.0	433		
Selenium	6010C	1.0	0.545	1.0	1.0	U	
Silver	6010C	1.0	0.091	1.0	1.0	U	
Sodium	6010C	101	19.2	1.0	67.2	J	
Thallium	6010C	1.0	0.657	1.0	1.0	U	
Vanadium	6010C	5.1	0.070	1.0	10.5		
Zinc	6010C	2.0	1.4	1.0	107		

% Solids: 95.2

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Anchor QEA, LLC
Project No.: R2201689
Project Name:
Matrix: SOIL

Service Request: HAE-TP01-3FT-022422
Date Collected: 2/24/2022
Date Received: 2/25/2022
Units: mg/Kg
Basis:

Sample Name: HAE-TP4-5FT-022422 **Lab Code:** R2201689-007

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Aluminum	6010C	21.0	12.6	1.0	2550		
Antimony	6010C	6.3	0.566	1.0	6.3	U	N
Arsenic	6010C	1.1	0.734	1.0	12.3		
Barium	6010C	2.1	1.6	1.0	167		
Beryllium	6010C	0.315	0.063	1.0	0.157	J	
Cadmium	6010C	0.524	0.090	1.0	0.671		
Mercury	7471B	2.1	0.834	100.0	28.8		
Calcium	6010C	105	33.6	1.0	1950		*
Chromium	6010C	1.1	0.367	1.0	12.0		N
Cobalt	6010C	5.2	0.087	1.0	4.8	J	
Copper	6010C	2.1	0.136	1.0	106		
Iron	6010C	210	136	10.0	6370		
Lead	6010C	5.2	0.419	1.0	226		
Magnesium	6010C	105	13.6	1.0	1700		*
Manganese	6010C	2.1	0.168	1.0	669		*
Nickel	6010C	4.2	0.692	1.0	25.3		
Potassium	6010C	210	52.4	1.0	411		
Selenium	6010C	1.1	0.566	1.0	1.1	U	
Silver	6010C	1.1	0.094	1.0	0.178	J	
Sodium	6010C	105	19.9	1.0	117		
Thallium	6010C	1.1	0.682	1.0	1.1	U	
Vanadium	6010C	5.2	0.072	1.0	18.6		
Zinc	6010C	2.1	1.5	1.0	287		

% Solids: 93.5

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Anchor QEA, LLC
Project No.: R2201689
Project Name:
Matrix: SOIL

Service Request: HAE-TP01-3FT-022422
Date Collected: 2/24/2022
Date Received: 2/25/2022
Units: mg/Kg
Basis:

Sample Name: HAE-TP4-3FT-022422 **Lab Code:** R2201689-008

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Aluminum	6010C	21.2	12.7	1.0	2110		
Antimony	6010C	6.4	0.572	1.0	0.604	J	N
Arsenic	6010C	1.1	0.742	1.0	13.5		
Barium	6010C	2.1	1.6	1.0	182		
Beryllium	6010C	0.318	0.064	1.0	0.138	J	
Cadmium	6010C	0.530	0.091	1.0	0.350	J	
Mercury	7471B	1.9	0.751	100.0	18.2		
Calcium	6010C	106	33.9	1.0	2670		*
Chromium	6010C	1.1	0.371	1.0	13.0		N
Cobalt	6010C	5.3	0.088	1.0	2.1	J	
Copper	6010C	2.1	0.138	1.0	33.0		
Iron	6010C	212	138	10.0	8150		
Lead	6010C	5.3	0.424	1.0	289		
Magnesium	6010C	106	13.8	1.0	1010		*
Manganese	6010C	2.1	0.169	1.0	120		*
Nickel	6010C	4.2	0.699	1.0	8.0		
Potassium	6010C	212	53.0	1.0	308		
Selenium	6010C	1.1	0.572	1.0	1.1	U	
Silver	6010C	1.1	0.095	1.0	0.095	J	
Sodium	6010C	106	20.1	1.0	39.2	J	
Thallium	6010C	1.1	0.689	1.0	1.1	U	
Vanadium	6010C	5.3	0.073	1.0	10.4		
Zinc	6010C	2.1	1.5	1.0	136		

% Solids: 94.4

Comments:

General Chemistry

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:50
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP01-3FT-022422	**Basis:**	As Received
Lab Code:	R2201689-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**91.0**	Percent	-	-	1	03/01/22 11:15	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:40
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP01-5FT-022422	**Basis:**	As Received
Lab Code:	R2201689-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**92.4**	Percent	-	-	1	03/01/22 11:15	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:45
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP2-5FT-022422	**Basis:**	As Received
Lab Code:	R2201689-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**91.1**	Percent	-	-	1	03/01/22 11:15	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 10:55
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP2-3FT-022422	**Basis:**	As Received
Lab Code:	R2201689-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**93.8**	Percent	-	-	1	03/01/22 11:15	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:10
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP3-3FT-022422	**Basis:**	As Received
Lab Code:	R2201689-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**93.5**	Percent	-	-	1	03/01/22 11:15	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:54
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP3-4FT-022422	**Basis:**	As Received
Lab Code:	R2201689-006		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**95.2**	Percent	-	-	1	03/01/22 11:15	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:00
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP4-5FT-022422	**Basis:**	As Received
Lab Code:	R2201689-007		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**93.5**	Percent	-	-	1	03/01/22 11:15	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22 13:05
Sample Matrix:	Soil	**Date Received:**	02/25/22 10:50
Sample Name:	HAE-TP4-3FT-022422	**Basis:**	As Received
Lab Code:	R2201689-008		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**94.4**	Percent	-	-	1	03/01/22 11:15	

QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Anchor QEA, LLC **Service Request:** R2201689
Project: John Street/E10921-03.01
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5035A

Sample Name	Lab Code	4-Bromofluorobenzene 31-154	Dibromofluoromethane 63-138	Toluene-d8 66-138
HAE-TP01-3FT-022422	R2201689-001	77	102	98
HAE-TP01-5FT-022422	R2201689-002	76	102	100
HAE-TP2-5FT-022422	R2201689-003	94	101	102
HAE-TP2-3FT-022422	R2201689-004	97	100	100
HAE-TP3-3FT-022422	R2201689-005	87	96	99
HAE-TP3-4FT-022422	R2201689-006	92	95	100
HAE-TP4-5FT-022422	R2201689-007	91	98	99
HAE-TP4-3FT-022422	R2201689-008	94	103	101
Method Blank	RQ2202019-05	95	98	99
Lab Control Sample	RQ2202019-03	97	99	100
Duplicate Lab Control Sample	RQ2202019-04	98	101	100

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2202019-05	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	5.0	0.20	1	03/01/22 13:00	
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	03/01/22 13:00	
1,1,2,2-Tetrachloroethane	0.44 U	5.0	0.44	1	03/01/22 13:00	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	03/01/22 13:00	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	03/01/22 13:00	
1,1-Dichloroethene (1,1-DCE)	0.29 U	5.0	0.29	1	03/01/22 13:00	
1,1-Dichloropropene	0.20 U	5.0	0.20	1	03/01/22 13:00	
1,2,3-Trichlorobenzene	**0.54 J**	5.0	0.52	1	03/01/22 13:00	
1,2,3-Trichloropropane	0.20 U	5.0	0.20	1	03/01/22 13:00	
1,2,4-Trichlorobenzene	**0.48 J**	5.0	0.42	1	03/01/22 13:00	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	03/01/22 13:00	
1,2-Dibromo-3-chloropropane (DBCP)	0.75 U	5.0	0.75	1	03/01/22 13:00	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	03/01/22 13:00	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	03/01/22 13:00	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	03/01/22 13:00	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	03/01/22 13:00	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	03/01/22 13:00	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	03/01/22 13:00	
1,3-Dichloropropane	0.20 U	5.0	0.20	1	03/01/22 13:00	
1,4-Dichlorobenzene	0.22 U	5.0	0.22	1	03/01/22 13:00	
1,4-Dioxane	20 U	100	20	1	03/01/22 13:00	
2,2-Dichloropropane	0.20 U	5.0	0.20	1	03/01/22 13:00	
2-Butanone (MEK)	2.0 U	5.0	2.0	1	03/01/22 13:00	
2-Chlorotoluene	0.20 U	5.0	0.20	1	03/01/22 13:00	
2-Hexanone	0.36 U	5.0	0.36	1	03/01/22 13:00	
4-Chlorotoluene	0.20 U	5.0	0.20	1	03/01/22 13:00	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	03/01/22 13:00	
4-Methyl-2-pentanone	0.23 U	5.0	0.23	1	03/01/22 13:00	
Acetone	15 U	25	15	1	03/01/22 13:00	
Acrylonitrile	0.89 U	25	0.89	1	03/01/22 13:00	
Benzene	0.20 U	5.0	0.20	1	03/01/22 13:00	
Bromobenzene	0.20 U	5.0	0.20	1	03/01/22 13:00	
Bromochloromethane	0.20 U	5.0	0.20	1	03/01/22 13:00	
Bromodichloromethane	0.20 U	5.0	0.20	1	03/01/22 13:00	
Bromoform	0.50 U	5.0	0.50	1	03/01/22 13:00	
Bromomethane	2.1 U	5.0	2.1	1	03/01/22 13:00	
Carbon Disulfide	0.29 U	5.0	0.29	1	03/01/22 13:00	
Carbon Tetrachloride	0.26 U	5.0	0.26	1	03/01/22 13:00	
Chlorobenzene	0.20 U	5.0	0.20	1	03/01/22 13:00	
Chloroethane	0.41 U	5.0	0.41	1	03/01/22 13:00	
Chloroform	0.20 U	5.0	0.20	1	03/01/22 13:00	
Chloromethane	1.4 U	5.0	1.4	1	03/01/22 13:00	
Dibromochloromethane	0.20 U	5.0	0.20	1	03/01/22 13:00	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2202019-05	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.20 U	5.0	0.20	1	03/01/22 13:00	
Dichlorodifluoromethane (CFC 12)	0.33 U	5.0	0.33	1	03/01/22 13:00	
Methylene Chloride	2.8 U	5.0	2.8	1	03/01/22 13:00	
Diethyl Ether	0.25 U	5.0	0.25	1	03/01/22 13:00	
Ethylbenzene	1.0 U	5.0	1.0	1	03/01/22 13:00	
Hexachlorobutadiene	0.47 U	5.0	0.47	1	03/01/22 13:00	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	03/01/22 13:00	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	03/01/22 13:00	
Naphthalene	0.99 U	5.0	0.99	1	03/01/22 13:00	
Styrene	1.0 U	5.0	1.0	1	03/01/22 13:00	
Tetrachloroethene (PCE)	0.23 U	5.0	0.23	1	03/01/22 13:00	
Toluene	2.0 U	5.0	2.0	1	03/01/22 13:00	
Trichloroethene (TCE)	0.22 U	5.0	0.22	1	03/01/22 13:00	
Trichlorofluoromethane (CFC 11)	0.26 U	5.0	0.26	1	03/01/22 13:00	
Vinyl Acetate	0.78 U	10	0.78	1	03/01/22 13:00	
Vinyl Chloride	0.46 U	5.0	0.46	1	03/01/22 13:00	
Xylenes, Total	0.52 U	15	0.52	1	03/01/22 13:00	
cis-1,2-Dichloroethene	0.20 U	5.0	0.20	1	03/01/22 13:00	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	03/01/22 13:00	
m,p-Xylenes	2.0 U	10	2.0	1	03/01/22 13:00	
n-Butylbenzene	0.20 U	5.0	0.20	1	03/01/22 13:00	
n-Propylbenzene	0.20 U	5.0	0.20	1	03/01/22 13:00	
o-Xylene	1.0 U	5.0	1.0	1	03/01/22 13:00	
sec-Butylbenzene	0.20 U	5.0	0.20	1	03/01/22 13:00	
tert-Butylbenzene	0.20 U	5.0	0.20	1	03/01/22 13:00	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	03/01/22 13:00	
trans-1,3-Dichloropropene	0.20 U	5.0	0.20	1	03/01/22 13:00	
trans-1,4-Dichloro-2-butene	0.22 U	5.0	0.22	1	03/01/22 13:00	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	31 - 154	03/01/22 13:00	
Dibromofluoromethane	98	63 - 138	03/01/22 13:00	
Toluene-d8	99	66 - 138	03/01/22 13:00	

Client: Anchor QEA, LLC
Project: John Street/E10921-03.01
Sample Matrix: Soil

Service Request: R2201689
Date Analyzed: 03/01/22

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2202019-03			RQ2202019-04					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1,2-Tetrachloroethane	8260C	21.0	20.0	105	19.8	20.0	99	69-127	6	30
1,1,1-Trichloroethane (TCA)	8260C	21.6	20.0	108	20.6	20.0	103	68-123	5	30
1,1,2,2-Tetrachloroethane	8260C	20.9	20.0	104	20.1	20.0	100	78-121	4	30
1,1,2-Trichloroethane	8260C	18.8	20.0	94	18.3	20.0	91	84-117	3	30
1,1-Dichloroethane (1,1-DCA)	8260C	19.9	20.0	100	19.8	20.0	99	76-123	1	30
1,1-Dichloroethene (1,1-DCE)	8260C	21.4	20.0	107	21.0	20.0	105	65-115	2	30
1,1-Dichloropropene	8260C	24.0	20.0	120 *	22.1	20.0	110	66-119	9	30
1,2,3-Trichlorobenzene	8260C	22.7	20.0	114	21.1	20.0	106	60-128	7	30
1,2,3-Trichloropropane	8260C	16.9	20.0	84	18.6	20.0	93	78-115	10	30
1,2,4-Trichlorobenzene	8260C	22.4	20.0	112	21.1	20.0	105	62-130	6	30
1,2,4-Trimethylbenzene	8260C	20.8	20.0	104	19.9	20.0	99	67-121	5	30
1,2-Dibromo-3-chloropropane (DBCP)	8260C	17.0	20.0	85	16.7	20.0	84	54-135	1	30
1,2-Dibromoethane	8260C	17.8	20.0	89	17.1	20.0	86	77-117	3	30
1,2-Dichlorobenzene	8260C	19.8	20.0	99	19.3	20.0	96	75-116	3	30
1,2-Dichloroethane	8260C	18.5	20.0	92	18.8	20.0	94	74-116	2	30
1,2-Dichloropropane	8260C	20.1	20.0	100	19.5	20.0	98	79-112	2	30
1,3,5-Trimethylbenzene	8260C	20.9	20.0	105	19.4	20.0	97	66-122	8	30
1,3-Dichlorobenzene	8260C	20.0	20.0	100	19.9	20.0	99	72-118	1	30
1,3-Dichloropropane	8260C	18.6	20.0	93	19.0	20.0	95	82-111	2	30
1,4-Dichlorobenzene	8260C	20.1	20.0	101	19.1	20.0	95	72-117	6	30
1,4-Dioxane	8260C	373	400	93	387	400	97	59-147	4	30
2,2-Dichloropropane	8260C	21.8	20.0	109	20.6	20.0	103	53-131	6	30
2-Butanone (MEK)	8260C	17.4	20.0	87	17.3	20.0	86	67-129	1	30
2-Chlorotoluene	8260C	20.0	20.0	100	19.0	20.0	95	70-120	5	30
2-Hexanone	8260C	17.2	20.0	86	18.8	20.0	94	68-118	9	30
4-Chlorotoluene	8260C	20.5	20.0	102	20.0	20.0	100	72-120	2	30
4-Isopropyltoluene	8260C	21.5	20.0	108	20.6	20.0	103	58-128	5	30
4-Methyl-2-pentanone	8260C	16.5	20.0	82	18.0	20.0	90	64-123	9	30
Acetone	8260C	17.4 J	20.0	87	19.3 J	20.0	96	32-154	10	30
Acrylonitrile	8260C	90.3	100	90	93.1	100	93	71-124	3	30
Benzene	8260C	20.0	20.0	100	19.6	20.0	98	77-114	2	30
Bromobenzene	8260C	19.7	20.0	99	19.1	20.0	95	78-116	4	30

Client: Anchor QEA, LLC
Project: John Street/E10921-03.01
Sample Matrix: Soil

Service Request: R2201689
Date Analyzed: 03/01/22

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2202019-03			RQ2202019-04					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Bromochloromethane	8260C	19.0	20.0	95	18.5	20.0	93	78-117	2	30
Bromodichloromethane	8260C	19.2	20.0	96	18.8	20.0	94	72-118	2	30
Bromoform	8260C	17.6	20.0	88	17.2	20.0	86	55-134	2	30
Bromomethane	8260C	17.0	20.0	85	15.3	20.0	76	10-150	11	30
Carbon Disulfide	8260C	21.8	20.0	109	20.1	20.0	100	44-139	9	30
Carbon Tetrachloride	8260C	23.5	20.0	118	22.2	20.0	111	51-123	6	30
Chlorobenzene	8260C	20.3	20.0	102	19.8	20.0	99	79-115	3	30
Chloroethane	8260C	24.6	20.0	123	23.4	20.0	117	10-140	5	30
Chloroform	8260C	19.2	20.0	96	18.9	20.0	94	76-115	2	30
Chloromethane	8260C	26.6	20.0	133 *	26.0	20.0	130	10-131	2	30
Dibromochloromethane	8260C	18.0	20.0	90	17.6	20.0	88	68-121	2	30
Dibromomethane	8260C	19.0	20.0	95	17.8	20.0	89	29-115	7	30
Dichlorodifluoromethane (CFC 12)	8260C	24.0	20.0	120	22.8	20.0	114	51-144	5	30
Methylene Chloride	8260C	18.8	20.0	94	18.1	20.0	90	72-118	4	30
Diethyl Ether	8260C	18.5	20.0	93	17.9	20.0	90	78-127	3	30
Ethylbenzene	8260C	21.2	20.0	106	21.6	20.0	108	64-118	2	30
Hexachlorobutadiene	8260C	22.1	20.0	111	20.8	20.0	104	33-143	7	30
Isopropylbenzene (Cumene)	8260C	22.9	20.0	114	21.8	20.0	109	60-123	4	30
Methyl tert-Butyl Ether	8260C	18.3	20.0	91	18.4	20.0	92	76-118	1	30
Naphthalene	8260C	21.4	20.0	107	20.0	20.0	100	68-127	7	30
Styrene	8260C	19.8	20.0	99	19.1	20.0	95	74-117	4	30
Tetrachloroethene (PCE)	8260C	22.6	20.0	113	22.2	20.0	111	58-124	2	30
Toluene	8260C	21.1	20.0	106	19.7	20.0	99	72-116	7	30
Trichloroethene (TCE)	8260C	19.5	20.0	98	19.5	20.0	98	69-118	<1	30
Trichlorofluoromethane (CFC 11)	8260C	23.6	20.0	118	22.2	20.0	111	52-127	6	30
Vinyl Acetate	8260C	22.4	20.0	112	19.8	20.0	99	47-159	12	30
Vinyl Chloride	8260C	25.7	20.0	128	23.3	20.0	116	59-153	10	30
cis-1,2-Dichloroethene	8260C	20.3	20.0	101	19.4	20.0	97	79-113	4	30
cis-1,3-Dichloropropene	8260C	19.6	20.0	98	18.5	20.0	93	66-117	5	30
m,p-Xylenes	8260C	42.4	40.0	106	41.3	40.0	103	68-118	3	30
n-Butylbenzene	8260C	21.6	20.0	108	20.4	20.0	102	54-131	6	30
n-Propylbenzene	8260C	22.2	20.0	111	21.1	20.0	105	59-126	6	30

Client: Anchor QEA, LLC
Project: John Street/E10921-03.01
Sample Matrix: Soil

Service Request: R2201689
Date Analyzed: 03/01/22

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2202019-03			RQ2202019-04					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
o-Xylene	8260C	20.6	20.0	103	20.3	20.0	102	71-116	<1	30
sec-Butylbenzene	8260C	22.6	20.0	113	21.4	20.0	107	54-128	5	30
tert-Butylbenzene	8260C	21.5	20.0	108	20.7	20.0	103	58-123	5	30
trans-1,2-Dichloroethene	8260C	21.7	20.0	108	20.3	20.0	102	73-114	6	30
trans-1,3-Dichloropropene	8260C	19.6	20.0	98	18.5	20.0	93	57-135	5	30
trans-1,4-Dichloro-2-butene	8260C	18.4	20.0	92	17.0	20.0	85	35-149	8	30

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Anchor QEA, LLC **Service Request:** R2201689
Project: John Street/E10921-03.01
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Extraction Method: EPA 3546

Sample Name	Lab Code	2,4,6-Tribromophenol 15-142	2-Fluorobiphenyl 25-114	2-Fluorophenol 18-98
HAE-TP01-3FT-022422	R2201689-001	86	76	73
HAE-TP01-5FT-022422	R2201689-002	82	73	69
HAE-TP2-5FT-022422	R2201689-003	78	69	69
HAE-TP2-3FT-022422	R2201689-004	76	64	65
HAE-TP3-3FT-022422	R2201689-005	74	65	66
HAE-TP3-4FT-022422	R2201689-006	80	72	73
HAE-TP4-5FT-022422	R2201689-007	68	60	60
HAE-TP4-3FT-022422	R2201689-008	79	79	75
Method Blank	RQ2202099-01	87	74	78
Lab Control Sample	RQ2202099-02	85	72	67
Duplicate Lab Control Sample	RQ2202099-03	88	75	73

Client: Anchor QEA, LLC **Service Request:** R2201689
Project: John Street/E10921-03.01
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Extraction Method: EPA 3546

Sample Name	Lab Code	Nitrobenzene-d5 14-104	Phenol-d6 18-103	Terphenyl-d14 38-141
HAE-TP01-3FT-022422	R2201689-001	76	74	87
HAE-TP01-5FT-022422	R2201689-002	75	72	84
HAE-TP2-5FT-022422	R2201689-003	72	69	81
HAE-TP2-3FT-022422	R2201689-004	69	64	78
HAE-TP3-3FT-022422	R2201689-005	68	66	79
HAE-TP3-4FT-022422	R2201689-006	74	74	90
HAE-TP4-5FT-022422	R2201689-007	62	61	76
HAE-TP4-3FT-022422	R2201689-008	76	75	97
Method Blank	RQ2202099-01	78	73	96
Lab Control Sample	RQ2202099-02	69	69	97
Duplicate Lab Control Sample	RQ2202099-03	74	73	100

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2202099-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	75 U	340	75	1	03/08/22 16:25	3/3/22	
2,3,4,6-Tetrachlorophenol	120 U	340	120	1	03/08/22 16:25	3/3/22	
2,4,5-Trichlorophenol	84 U	340	84	1	03/08/22 16:25	3/3/22	
2,4,6-Trichlorophenol	76 U	340	76	1	03/08/22 16:25	3/3/22	
2,4-Dichlorophenol	65 U	340	65	1	03/08/22 16:25	3/3/22	
2,4-Dimethylphenol	61 U	340	61	1	03/08/22 16:25	3/3/22	
2,4-Dinitrophenol	580 U	1700	580	1	03/08/22 16:25	3/3/22	
2,4-Dinitrotoluene	130 U	340	130	1	03/08/22 16:25	3/3/22	
2,6-Dinitrotoluene	74 U	340	74	1	03/08/22 16:25	3/3/22	
2-Chloronaphthalene	68 U	340	68	1	03/08/22 16:25	3/3/22	
2-Chlorophenol	57 U	340	57	1	03/08/22 16:25	3/3/22	
2-Methylnaphthalene	120 U	340	120	1	03/08/22 16:25	3/3/22	
2-Methylphenol	70 U	340	70	1	03/08/22 16:25	3/3/22	
2-Nitroaniline	80 U	1700	80	1	03/08/22 16:25	3/3/22	
2-Nitrophenol	79 U	340	79	1	03/08/22 16:25	3/3/22	
3,3'-Dichlorobenzidine	38 U	340	38	1	03/08/22 16:25	3/3/22	
3- and 4-Methylphenol Coelution	65 U	340	65	1	03/08/22 16:25	3/3/22	
3-Nitroaniline	68 U	1700	68	1	03/08/22 16:25	3/3/22	
4,6-Dinitro-2-methylphenol	200 U	1700	200	1	03/08/22 16:25	3/3/22	
4-Bromophenyl Phenyl Ether	89 U	340	89	1	03/08/22 16:25	3/3/22	
4-Chloro-3-methylphenol	68 U	340	68	1	03/08/22 16:25	3/3/22	
4-Chloroaniline	57 U	340	57	1	03/08/22 16:25	3/3/22	
4-Chlorophenyl Phenyl Ether	72 U	340	72	1	03/08/22 16:25	3/3/22	
4-Nitroaniline	73 U	1700	73	1	03/08/22 16:25	3/3/22	
4-Nitrophenol	68 U	1700	68	1	03/08/22 16:25	3/3/22	
Acenaphthene	64 U	340	64	1	03/08/22 16:25	3/3/22	
Acenaphthylene	69 U	340	69	1	03/08/22 16:25	3/3/22	
Acetophenone	98 U	340	98	1	03/08/22 16:25	3/3/22	
Anthracene	57 U	340	57	1	03/08/22 16:25	3/3/22	
Atrazine	110 U	340	110	1	03/08/22 16:25	3/3/22	
Benz(a)anthracene	51 U	340	51	1	03/08/22 16:25	3/3/22	
Benzaldehyde	82 U	1700	82	1	03/08/22 16:25	3/3/22	
Benzo(a)pyrene	90 U	340	90	1	03/08/22 16:25	3/3/22	
Benzo(b)fluoranthene	57 U	340	57	1	03/08/22 16:25	3/3/22	
Benzo(g,h,i)perylene	78 U	340	78	1	03/08/22 16:25	3/3/22	
Benzo(k)fluoranthene	55 U	340	55	1	03/08/22 16:25	3/3/22	
Biphenyl	100 U	340	100	1	03/08/22 16:25	3/3/22	
2,2'-Oxybis(1-chloropropane)	70 U	340	70	1	03/08/22 16:25	3/3/22	
Bis(2-chloroethoxy)methane	83 U	340	83	1	03/08/22 16:25	3/3/22	
Bis(2-chloroethyl) Ether	67 U	340	67	1	03/08/22 16:25	3/3/22	
Bis(2-ethylhexyl) Phthalate	62 U	510	62	1	03/08/22 16:25	3/3/22	
Butyl Benzyl Phthalate	41 U	340	41	1	03/08/22 16:25	3/3/22	
Caprolactam	75 U	340	75	1	03/08/22 16:25	3/3/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2202099-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	55 U	340	55	1	03/08/22 16:25	3/3/22	
Chrysene	50 U	340	50	1	03/08/22 16:25	3/3/22	
Di-n-butyl Phthalate	55 U	340	55	1	03/08/22 16:25	3/3/22	
Di-n-octyl Phthalate	120 U	340	120	1	03/08/22 16:25	3/3/22	
Dibenz(a,h)anthracene	74 U	340	74	1	03/08/22 16:25	3/3/22	
Dibenzofuran	62 U	340	62	1	03/08/22 16:25	3/3/22	
Diethyl Phthalate	60 U	340	60	1	03/08/22 16:25	3/3/22	
Dimethyl Phthalate	65 U	340	65	1	03/08/22 16:25	3/3/22	
Fluoranthene	85 U	340	85	1	03/08/22 16:25	3/3/22	
Fluorene	64 U	340	64	1	03/08/22 16:25	3/3/22	
Hexachlorobenzene	81 U	340	81	1	03/08/22 16:25	3/3/22	
Hexachlorobutadiene	120 U	340	120	1	03/08/22 16:25	3/3/22	
Hexachlorocyclopentadiene	110 U	340	110	1	03/08/22 16:25	3/3/22	
Hexachloroethane	64 U	340	64	1	03/08/22 16:25	3/3/22	
Indeno(1,2,3-cd)pyrene	110 U	340	110	1	03/08/22 16:25	3/3/22	
Isophorone	71 U	340	71	1	03/08/22 16:25	3/3/22	
N-Nitrosodi-n-propylamine	110 U	340	110	1	03/08/22 16:25	3/3/22	
N-Nitrosodiphenylamine	220 U	340	220	1	03/08/22 16:25	3/3/22	
Naphthalene	64 U	340	64	1	03/08/22 16:25	3/3/22	
Nitrobenzene	61 U	340	61	1	03/08/22 16:25	3/3/22	
Pentachlorophenol (PCP)	340 U	1700	340	1	03/08/22 16:25	3/3/22	
Phenanthrene	48 U	340	48	1	03/08/22 16:25	3/3/22	
Phenol	68 U	340	68	1	03/08/22 16:25	3/3/22	
Pyrene	57 U	340	57	1	03/08/22 16:25	3/3/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	87	15 - 142	03/08/22 16:25	
2-Fluorobiphenyl	74	25 - 114	03/08/22 16:25	
2-Fluorophenol	78	18 - 98	03/08/22 16:25	
Nitrobenzene-d5	78	14 - 104	03/08/22 16:25	
Phenol-d6	73	18 - 103	03/08/22 16:25	
Terphenyl-d14	96	38 - 141	03/08/22 16:25	

Client: Anchor QEA, LLC
Project: John Street/E10921-03.01
Sample Matrix: Soil

Service Request: R2201689
Date Analyzed: 03/08/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2202099-02			RQ2202099-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	8270D	2300	3040	76	2430	3020	81	10-174	6	30
2,3,4,6-Tetrachlorophenol	8270D	3040	3320	92	3040	3290	92	42-127	<1	30
2,4,5-Trichlorophenol	8270D	2820	3320	85	2910	3290	88	33-134	3	30
2,4,6-Trichlorophenol	8270D	2540	3320	77	2560	3290	78	24-131	<1	30
2,4-Dichlorophenol	8270D	2430	3320	73	2530	3290	77	17-125	4	30
2,4-Dimethylphenol	8270D	2520	3320	76	2600	3290	79	21-116	3	30
2,4-Dinitrophenol	8270D	2360	3320	71	1820	3290	55	10-80	26	30
2,4-Dinitrotoluene	8270D	3050	3320	92	2970	3290	90	55-118	3	30
2,6-Dinitrotoluene	8270D	3100	3320	94	3130	3290	95	38-136	1	30
2-Chloronaphthalene	8270D	2450	3320	74	2520	3290	77	27-121	3	30
2-Chlorophenol	8270D	2150	3320	65	2250	3290	68	20-97	4	30
2-Methylnaphthalene	8270D	2420	3320	73	2500	3290	76	23-111	3	30
2-Methylphenol	8270D	2560	3320	77	2670	3290	81	28-105	4	30
2-Nitroaniline	8270D	3200	3320	97	3210	3290	97	40-124	<1	30
2-Nitrophenol	8270D	2330	3320	70	2420	3290	74	15-107	4	30
3- and 4-Methylphenol Coelution	8270D	2670	3320	80	2750	3290	84	25-112	3	30
3-Nitroaniline	8270D	1620 J	3320	49	1720	3290	52	36-112	6	30
4,6-Dinitro-2-methylphenol	8270D	2430	3320	73	2170	3290	66	23-107	11	30
4-Bromophenyl Phenyl Ether	8270D	2500	3320	75	2510	3290	76	38-138	<1	30
4-Chloro-3-methylphenol	8270D	2820	3320	85	2830	3290	86	25-123	<1	30
4-Chloroaniline	8270D	856	3320	26 *	1010	3290	31	30-87	16	30
4-Chlorophenyl Phenyl Ether	8270D	2700	3320	81	2700	3290	82	41-130	<1	30
4-Nitroaniline	8270D	3170	3320	96	3180	3290	97	49-119	<1	30
4-Nitrophenol	8270D	2560	3320	77	2600	3290	79	33-124	2	30
Acenaphthene	8270D	2650	3320	80	2690	3290	82	34-121	1	30
Acenaphthylene	8270D	3020	3320	91	3060	3290	93	39-124	1	30
Acetophenone	8270D	3920	6630	59	4120	6580	63	20-89	5	30
Anthracene	8270D	2780	3320	84	2770	3290	84	58-119	<1	30
Benz(a)anthracene	8270D	2910	3320	88	2940	3290	89	60-114	<1	30
Benzo(a)pyrene	8270D	3830	3320	116	3920	3290	119	72-128	2	30
Benzo(b)fluoranthene	8270D	3050	3320	92	3100	3290	94	64-109	1	30
Benzo(g,h,i)perylene	8270D	3210	3320	97	3270	3290	99	59-129	2	30
Benzo(k)fluoranthene	8270D	3120	3320	94	3150	3290	96	70-110	<1	30

Client: Anchor QEA, LLC
Project: John Street/E10921-03.01
Sample Matrix: Soil

Service Request: R2201689
Date Analyzed: 03/08/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2202099-02			RQ2202099-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Biphenyl	8270D	2300	3320	69	2410	3290	73	17-123	5	30
2,2'-Oxybis(1-chloropropane)	8270D	2380	3320	72	2560	3290	78	22-80	7	30
Bis(2-chloroethoxy)methane	8270D	2800	3320	84	2930	3290	89	31-112	5	30
Bis(2-chloroethyl) Ether	8270D	2190	3320	66	2310	3290	70	21-83	5	30
Bis(2-ethylhexyl) Phthalate	8270D	3050	3320	92	3150	3290	96	57-117	3	30
Butyl Benzyl Phthalate	8270D	3180	3320	96	3270	3290	99	60-116	3	30
Caprolactam	8270D	2860	3320	86	2920	3290	89	10-150	2	30
Carbazole	8270D	2980	3320	90	2940	3290	89	63-129	1	30
Chrysene	8270D	2910	3320	88	2970	3290	90	65-114	2	30
Di-n-butyl Phthalate	8270D	3130	3320	94	3150	3290	96	71-126	<1	30
Di-n-octyl Phthalate	8270D	3090	3320	93	3200	3290	97	60-115	3	30
Dibenz(a,h)anthracene	8270D	3840	3320	116	3880	3290	118	60-128	1	30
Dibenzofuran	8270D	2700	3320	82	2740	3290	83	38-124	2	30
Diethyl Phthalate	8270D	2780	3320	84	2820	3290	86	51-113	1	30
Dimethyl Phthalate	8270D	2700	3320	81	2690	3290	82	40-127	<1	30
Fluoranthene	8270D	2880	3320	87	2860	3290	87	61-131	<1	30
Fluorene	8270D	2740	3320	83	2740	3290	83	39-128	<1	30
Hexachlorobenzene	8270D	2430	3320	73	2500	3290	76	42-135	3	30
Hexachlorobutadiene	8270D	2110	3320	64	2230	3290	68	19-96	5	30
Hexachlorocyclopentadiene	8270D	1860	3320	56	1960	3290	60	10-112	6	30
Hexachloroethane	8270D	1920	3320	58	2040	3290	62	15-75	6	30
Indeno(1,2,3-cd)pyrene	8270D	3340	3320	101	3420	3290	104	60-123	2	30
Isophorone	8270D	2590	3320	78	2690	3290	82	27-106	4	30
N-Nitrosodi-n-propylamine	8270D	2340	3320	71	2440	3290	74	22-99	4	30
N-Nitrosodiphenylamine	8270D	2830	3320	85	2820	3290	86	51-127	<1	30
Naphthalene	8270D	2120	3320	64	2240	3290	68	21-101	5	30
Nitrobenzene	8270D	2380	3320	72	2480	3290	75	22-98	4	30
Pentachlorophenol (PCP)	8270D	3130	3320	94	3150	3290	96	46-124	<1	30
Phenanthrene	8270D	2630	3320	79	2660	3290	81	56-117	1	30
Phenol	8270D	2320	3320	70	2420	3290	74	24-102	5	30
Pyrene	8270D	3170	3320	96	3170	3290	96	67-118	<1	30

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Anchor QEA, LLC **Service Request:** R2201689

Project: John Street/E10921-03.01

Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A

Extraction Method: EPA 3546

Sample Name	Lab Code	Decachlorobiphenyl 22-128	Tetrachloro-m-xylene 14-119
HAE-TP01-3FT-022422	R2201689-001	70	79
HAE-TP01-5FT-022422	R2201689-002	69	77
HAE-TP2-5FT-022422	R2201689-003	75	75
HAE-TP2-3FT-022422	R2201689-004	78	77
HAE-TP3-3FT-022422	R2201689-005	71	66
HAE-TP3-4FT-022422	R2201689-006	70	74
HAE-TP4-5FT-022422	R2201689-007	81	52
HAE-TP4-3FT-022422	R2201689-008	68	73
Method Blank	RQ2202096-06	70	76
Lab Control Sample	RQ2202096-07	74	85
Duplicate Lab Control Sample	RQ2202096-08	64	68
HAE-TP01-3FT-022422 MS	RQ2202096-04	67	74
HAE-TP01-3FT-022422 DMS	RQ2202096-05	45	49

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	02/24/22
Sample Matrix:	Soil	**Date Received:**	02/25/22
		Date Analyzed:	03/16/22
		Date Extracted:	03/4/22

Duplicate Matrix Spike Summary
Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Sample Name:	HAE-TP01-3FT-022422	**Units:**	ug/Kg
Lab Code:	R2201689-001	**Basis:**	Dry
Analysis Method:	8082A		
Prep Method:	EPA 3546		

		Matrix Spike RQ2202096-04			Duplicate Matrix Spike RQ2202096-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	21 U	149	205	73	103	194	53	26-137	36*	30
Aroclor 1260	21 U	144	205	70	99.5	194	51	30-156	37*	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project:	John Street/E10921-03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2202096-06	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	34 U	34	1	03/16/22 12:20	3/4/22	
Aroclor 1221	69 U	69	1	03/16/22 12:20	3/4/22	
Aroclor 1232	34 U	34	1	03/16/22 12:20	3/4/22	
Aroclor 1242	34 U	34	1	03/16/22 12:20	3/4/22	
Aroclor 1248	34 U	34	1	03/16/22 12:20	3/4/22	
Aroclor 1254	34 U	34	1	03/16/22 12:20	3/4/22	
Aroclor 1260	34 U	34	1	03/16/22 12:20	3/4/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	70	22 - 128	03/16/22 12:20	
Tetrachloro-m-xylene	76	14 - 119	03/16/22 12:20	

Client: Anchor QEA, LLC
Project: John Street/E10921-03.01
Sample Matrix: Soil

Service Request: R2201689
Date Analyzed: 03/16/22

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Units:ug/Kg
Basis: Dry

			Lab Control Sample			Duplicate Lab Control Sample				
			RQ2202096-07			RQ2202096-08				
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	8082A	135	169	80	110	165	67	41-127	20	30
Aroclor 1260	8082A	132	169	78	110	165	67	49-135	18	30

Metals

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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METALS

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BLANKS

Contract: R2201689

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: HAE-TP01-3FT

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): MG/KG

Analyte	Initial Calib. Blank ug/L	C	Continuing Calibration Blank ug/L 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	120.00	U	120.00	U	120.00	U	120.00	U	12.000	U	P
Antimony	7.80	J	5.40	U	5.40	U	5.40	U	0.540	U	P
Arsenic	7.00	U	7.00	U	7.00	U	7.00	U	0.700	U	P
Barium	15.00	U	15.00	U	15.00	U	15.00	U	1.500	U	P
Beryllium	0.60	U	0.60	U	0.60	U	0.60	U	0.060	U	P
Cadmium	0.86	U	0.86	U	0.86	U	0.86	U	0.086	U	P
Mercury	0.078	U	0.078	U	0.078	U	0.078	U	0.008	U	CV
Calcium	320.00	U	320.00	U	320.00	U	320.00	U	32.000	U	P
Chromium	3.50	U	3.50	U	3.50	U	3.50	U	0.350	U	P
Cobalt	0.83	U	0.83	U	0.83	U	0.83	U	0.083	U	P
Copper	1.30	U	1.30	U	1.30	U	1.30	U	0.130	U	P
Iron	130.00	U	130.00	U	130.00	U	130.00	U	13.000	U	P
Lead	4.00	U	4.00	U	4.00	U	4.00	U	0.400	U	P
Magnesium	130.00	U	130.00	U	130.00	U	130.00	U	13.000	U	P
Manganese	1.60	U	1.60	U	1.60	U	1.60	U	0.160	U	P
Nickel	6.60	U	6.60	U	6.60	U	6.60	U	0.660	U	P
Potassium	500.00	U	500.00	U	500.00	U	500.00	U	50.000	U	P
Selenium	5.40	U	5.40	U	5.40	U	5.40	U	0.540	U	P
Silver	0.90	U	0.90	U	0.90	U	0.90	U	0.090	U	P
Sodium	190.00	U	190.00	U	190.00	U	190.00	U	19.000	U	P
Thallium	6.50	U	6.50	U	6.50	U	6.50	U	0.650	U	P
Vanadium	0.69	U	0.69	U	0.69	U	0.69	U	0.069	U	P
Zinc	14.00	U	14.00	U	14.00	U	14.00	U	1.400	U	P

Comments:

METALS

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BLANKS

Contract: R2201689

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: HAE-TP01-3FT

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	C	Continuing Calibration Blank ug/L 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			120.00	U	120.00	U	120.00	U			P
Antimony			5.40	U	6.10	J	5.40	U			P
Arsenic			7.00	U	7.00	U	7.00	U			P
Barium			15.00	U	15.00	U	15.00	U			P
Beryllium			0.60	U	0.60	U	0.60	U			P
Cadmium			0.86	U	0.86	U	0.86	U			P
Mercury			0.078	U	0.078	U	0.078	U			CV
Calcium			320.00	U	320.00	U	320.00	U			P
Chromium			3.50	U	3.50	U	3.50	U			P
Cobalt			0.83	U	0.83	U	0.83	U			P
Copper			1.30	U	1.30	U	1.30	U			P
Iron			130.00	U	130.00	U	130.00	U			P
Lead			4.00	U	4.00	U	4.00	U			P
Magnesium			130.00	U	130.00	U	130.00	U			P
Manganese			1.60	U	1.60	U	1.60	U			P
Nickel			6.60	U	6.60	U	6.60	U			P
Potassium			500.00	U	500.00	U	500.00	U			P
Selenium			5.40	U	5.40	U	5.40	U			P
Silver			0.90	U	0.90	U	0.90	U			P
Sodium			190.00	U	190.00	U	190.00	U			P
Thallium			7.00	J	7.10	J	6.50	U			P
Vanadium			0.69	U	0.69	U	0.69	U			P
Zinc			14.00	U	14.00	U	14.00	U			P

Comments:

METALS

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BLANKS

Contract: R2201689

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: HAE-TP01-3FT

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	C	Continuing Calibration Blank ug/L 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			120.00	U							P
Antimony			7.20	J							P
Arsenic			7.00	U							P
Barium			15.00	U							P
Beryllium			0.60	U							P
Cadmium			0.86	U							P
Mercury			0.078	U	0.078	U					CV
Calcium			320.00	U							P
Chromium			3.50	U							P
Cobalt			0.83	U							P
Copper			1.30	U							P
Iron			130.00	U							P
Lead			4.00	U							P
Magnesium			130.00	U							P
Manganese			1.60	U							P
Nickel			6.60	U							P
Potassium			500.00	U							P
Selenium			5.40	U							P
Silver			0.90	U							P
Sodium			190.00	U							P
Thallium			6.50	U							P
Vanadium			0.69	U							P
Zinc			14.00	U							P

Comments:

METALS

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

HAE-TP01-3FT-022422S

Contract: R2201689

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: HAE-TP01-3FT

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 91.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		5270.00		5020.00		216.0	116		P
Antimony	75 - 125	43.20		2.37	J	53.9	76		P
Arsenic		248.00		360.00		4.3	-2605		P
Barium	75 - 125	524.00		328.00		216.0	91		P
Beryllium	75 - 125	5.45		0.33		5.4	95		P
Cadmium	75 - 125	5.60		0.44	J	5.4	96		P
Calcium		12400.00		13800.00		216.0	-648		P
Chromium	75 - 125	68.80		65.40		21.5	16	N	P
Cobalt	75 - 125	57.70		4.92	J	53.9	98		P
Copper		201.00		190.00		26.9	41		P
Iron		13600.00		14800.00		108.0	-1111		P
Lead		1280.00		1910.00		53.9	-1169		P
Magnesium		3310.00		2760.00		216.0	255		P
Manganese		294.00		278.00		53.9	30		P
Nickel	75 - 125	71.30		18.60		53.9	98		P
Potassium	75 - 125	3150.00		961.00		2150.0	102		P
Selenium	75 - 125	94.80		0.59	U	109.0	87		P
Silver	75 - 125	6.27		1.25		5.4	93		P
Sodium	75 - 125	2350.00		216.00		2150.0	99		P
Thallium	75 - 125	212.00		0.71	U	216.0	98		P
Vanadium	75 - 125	83.70		32.70		53.9	95		P
Zinc		297.00		257.00		53.9	74		P

Comments: _____

METALS

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

HAE-TP01-3FT-022422SD

Contract: R2201689

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: HAE-TP01-3FT

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 91.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		5810.00		5020.00		216.0	366		P
Antimony	75 - 125	42.00		2.37	J	53.9	74	N	P
Arsenic		263.00		360.00		4.3	-2256		P
Barium	75 - 125	498.00		328.00		216.0	79		P
Beryllium	75 - 125	5.26		0.33		5.4	91		P
Cadmium	75 - 125	5.32		0.44	J	5.4	90		P
Calcium		33400.00		13800.00		216.0	9074		P
Chromium	75 - 125	69.20		65.40		21.5	18	N	P
Cobalt	75 - 125	55.70		4.92	J	53.9	94		P
Copper		205.00		190.00		26.9	56		P
Iron		15100.00		14800.00		108.0	278		P
Lead		1190.00		1910.00		53.9	-1336		P
Magnesium		15700.00		2760.00		216.0	5991		P
Manganese		388.00		278.00		53.9	204		P
Nickel	75 - 125	69.80		18.60		53.9	95		P
Potassium	75 - 125	3310.00		961.00		2150.0	109		P
Selenium	75 - 125	93.80		0.59	U	109.0	86		P
Silver	75 - 125	6.23		1.25		5.4	92		P
Sodium	75 - 125	2370.00		216.00		2150.0	100		P
Thallium	75 - 125	217.00		0.71	U	216.0	100		P
Vanadium	75 - 125	79.20		32.70		53.9	86		P
Zinc		301.00		257.00		53.9	82		P

Comments: _____

METALS

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

HAE-TP3-4FT-022422S

Contract: R2201689

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: HAE-TP01-3FT

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 95.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury		29.900		28.700		0.095	1263		CV

Comments:

METALS

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

HAE-TP3-4FT-022422SD

Contract: R2201689

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: HAE-TP01-3FT

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 95.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury		24.300		28.700		0.103	-4272		CV

Comments:

METALS
-6-
DUPLICATES

SAMPLE NO.: HAE-TP01-3FT-022422SD

Contract: R2201689

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: HAE-TP01-3FT

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 91.0 % Solids for Duplicate: 91.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		5270.00		5810.00		10		P
Antimony		43.20		42.00		3		P
Arsenic		248.00		263.00		6		P
Barium		524.00		498.00		5		P
Beryllium		5.45		5.26		4		P
Cadmium		5.60		5.32		5		P
Calcium		12400.00		33400.00		92	*	P
Chromium		68.80		69.20		1		P
Cobalt		57.70		55.70		4		P
Copper		201.00		205.00		2		P
Iron		13600.00		15100.00		10		P
Lead		1280.00		1190.00		7		P
Magnesium		3310.00		15700.00		130	*	P
Manganese		294.00		388.00		28	*	P
Nickel		71.30		69.80		2		P
Potassium		3150.00		3310.00		5		P
Selenium		94.80		93.80		1		P
Silver		6.27		6.23		1		P
Sodium		2350.00		2370.00		1		P
Thallium		212.00		217.00		2		P
Vanadium		83.70		79.20		6		P
Zinc		297.00		301.00		1		P

Comments:

METALS
-6-
DUPLICATES

SAMPLE NO.

HAE-TP3-4FT-022422SD

Contract: R2201689

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: HAE-TP01-3FT

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 95.2 % Solids for Duplicate: 95.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		29.900		24.300		21		CV

Comments: _____

METALS

-7-

LABORATORY CONTROL SAMPLE

Contract: R2201689

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: HAE-TP01-3FT

Solid LCS Source: CPI

Aqueous LCS Source:

Analyte	Aqueous (ug/L True	Found	%R	Solid (mg/K True	Found	C	Limits		%R
Aluminum				200	198.37		160	240	99
Antimony				50	46.37		40	60	93
Arsenic				4	3.48		3.2	4.8	87
Barium				200	202.92		160	240	101
Beryllium				5	4.74		4	6	95
Cadmium				5	4.97		4	6	99
Mercury				0.100	0.103		.75	.125	103
Calcium				200	203.17		160	240	102
Chromium				20	19.98		16	24	100
Cobalt				50	49.14		40	60	98
Copper				25	25.33		20	30	101
Iron				100	100.72		80	120	101
Lead				50	49.23		40	60	98
Magnesium				200	198.10		160	240	99
Manganese				50	48.29		40	60	97
Nickel				50	48.95		40	60	98
Potassium				2000	1951.88		1600	2400	98
Selenium				101	86.78		80.8	121	86
Silver				5	4.77		4	6	95
Sodium				2000	1945.91		1600	2400	97
Thallium				200	184.41		160	240	92
Vanadium				50	49.69		40	60	99
Zinc				50	48.17		40	60	96

Comments:

General Chemistry

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client:	Anchor QEA, LLC	**Service Request:**	R2201689
Project	John Street/E10921-03.01	**Date Collected:**	02/24/22
Sample Matrix:	Soil	**Date Received:**	02/25/22
		Date Analyzed:	03/01/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	HAE-TP4-3FT-022422	**Units:**	Percent
Lab Code:	R2201689-008	**Basis:**	As Received

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Sample R2201689-008DUP Result	Average	RPD	RPD Limit
Total Solids	ALS SOP	-	-	94.4	94.6	94.5	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

June 16, 2022 Service Request No:R2205036

Jennifer Marsalla
Anchor QEA, LLC
1201 Third Avenue
Suite 2600
Seattle, WA 98101

Laboratory Results for: John Street

Dear Jennifer,

Enclosed are the results of the sample(s) submitted to our laboratory June 03, 2022
For your reference, these analyses have been assigned our service request number **R2205036.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7475. You may also contact me via email at Meghan.Pedro@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Meghan Pedro
Project Manager

CC: Labdata

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Anchor QEA, LLC
Project: John Street
Sample Matrix: Soil

Service Request: R2205036
Date Received: 06/03/2022

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Four soil samples were received for analysis at ALS Environmental on 06/03/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:

Method 8270D, 06/08/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
Method 8270D, 06/08/2022, 766833: The recovery of one or more internal standards in the method blank (MB) was outside control limits due to an error spiking internal standard. There were no hits in the MB and internal standard recoveries were within limits in all samples and other QC. No further corrective action was appropriate.

Method 8270D, 06/08/2022: The lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte. There were no detections of the analyte(s) in the associated field samples. The discrepancy associated with reduced recovery equates to a potential low bias. The analytes affected are flagged in the LCS Summary.

Method 8270D, 06/09/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8270D, 06/09/2022, 767204: The recovery of one or more internal standards was outside control limits because of known matrix interference. No further corrective action was appropriate.

Semivoa GC:

No significant anomalies were noted with this analysis.

Metals:

Method 7471B, 06/09/2022: The control limit was exceeded for one or more analytes in the Laboratory Control Sample (LCS). The discrepancy indicates a potential bias for results reported from this analytical batch. Digestion was performed twice at different volume of sample with similar LCS failures. The analytes affected are flagged in the LCS Summary Report.

General Chemistry:

No significant anomalies were noted with this analysis.

Subcontracted Analytical Parameters:

One or more samples were subcontracted to another laboratory for testing. The certified analytical report from the subcontractor has been included in its entirety at the end of this report and includes the name and address of the subcontracted laboratory.

Volatiles by GC/MS:

No significant anomalies were noted with this analysis.

Approved by Meghan Pedro Date 06/15/2022

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: JSSC-TP03-220601			Lab ID: R2205036-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	95.2				Percent	ALS SOP
Aluminum, Total	3970		12	19	mg/Kg	6010C
Arsenic, Total	11.5		0.70	0.95	mg/Kg	6010C
Barium, Total	45.4		1.5	1.9	mg/Kg	6010C
Beryllium, Total	0.24	J	0.03	0.29	mg/Kg	6010C
Cadmium, Total	0.22	J	0.09	0.48	mg/Kg	6010C
Calcium, Total	5530		32	95	mg/Kg	6010C
Chromium, Total	9.72		0.35	0.95	mg/Kg	6010C
Cobalt, Total	4.9		0.09	4.8	mg/Kg	6010C
Copper, Total	27.1		0.2	1.9	mg/Kg	6010C
Iron, Total	14000		130	190	mg/Kg	6010C
Lead, Total	14.8		0.4	4.8	mg/Kg	6010C
Magnesium, Total	4320		13	95	mg/Kg	6010C
Manganese, Total	276		0.2	1.9	mg/Kg	6010C
Mercury, Total	5.68		0.18	0.45	mg/Kg	7471B
Nickel, Total	22.5		0.7	3.8	mg/Kg	6010C
Potassium, Total	1180		50	190	mg/Kg	6010C
Sodium, Total	127		19	95	mg/Kg	6010C
Vanadium, Total	17.0		0.07	4.8	mg/Kg	6010C
Zinc, Total	43.5		1.4	1.9	mg/Kg	6010C

CLIENT ID: JSSC-TP02-220601			Lab ID: R2205036-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	94.3				Percent	ALS SOP
Aluminum, Total	3710		13	21	mg/Kg	6010C
Arsenic, Total	10.8		0.8	1.0	mg/Kg	6010C
Barium, Total	46.7		1.6	2.1	mg/Kg	6010C
Beryllium, Total	0.21	J	0.04	0.31	mg/Kg	6010C
Cadmium, Total	0.18	J	0.09	0.52	mg/Kg	6010C
Calcium, Total	6030		40	100	mg/Kg	6010C
Chromium, Total	11.7		0.4	1.0	mg/Kg	6010C
Cobalt, Total	4.2	J	0.09	5.2	mg/Kg	6010C
Copper, Total	21.1		0.2	2.1	mg/Kg	6010C
Iron, Total	11600		140	210	mg/Kg	6010C
Lead, Total	76.9		0.5	5.2	mg/Kg	6010C
Magnesium, Total	2720		20	100	mg/Kg	6010C
Manganese, Total	202		0.2	2.1	mg/Kg	6010C
Mercury, Total	81.8		1.8	4.6	mg/Kg	7471B
Nickel, Total	13.3		0.7	4.2	mg/Kg	6010C
Potassium, Total	1040		60	210	mg/Kg	6010C
Sodium, Total	100		20	100	mg/Kg	6010C

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: JSSC-TP02-220601			Lab ID: R2205036-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Vanadium, Total	19.1		0.08	5.2	mg/Kg	6010C
Zinc, Total	33.9		1.5	2.1	mg/Kg	6010C
Di-n-butyl Phthalate	500		59	360	ug/Kg	8270D

CLIENT ID: JSSC-IDW59-220601			Lab ID: R2205036-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
pH	8.89				pH Units	9045D
Total Solids	94.9				Percent	ALS SOP
Mercury, Total	135		1.8	4.3	mg/Kg	7471B
Aroclor 1260	21	J	19	35	ug/Kg	8082A

CLIENT ID: JSSC-IDW58-220601			Lab ID: R2205036-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
pH	8.41				pH Units	9045D
Total Solids	92.5				Percent	ALS SOP
Mercury, Total	3200		50	100	mg/Kg	7471B
Aroclor 1260	29	J	20	37	ug/Kg	8082A

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Anchor QEA, LLC **Service Request:**R2205036
Project: John Street/E.10921.03.01

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2205036-001	JSSC-TP03-220601	6/1/2022	1030
R2205036-002	JSSC-TP02-220601	6/1/2022	1000
R2205036-003	JSSC-IDW59-220601	6/1/2022	1400
R2205036-004	JSSC-IDW58-220601	6/1/2022	1350

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

000924

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE _____ OF _____

Project Name: John St.	Project Number: E.10621.03a1
Project Manager: Matt Cavss	Report CC:
Company/Address:	
Phone #: (518)222-5486	Email: mcavss@anchorqea.com
Sampler's Signature:	Sampler's Printed Name: Chris Gerrish

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs • 8260 • 624 • CLP	GC/MS SVOAs • 8270 • 625	GC VOAs • 8021 • 601/602	PESTICIDES • 8081 • 608	PCBs • 8082 • 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	TCLP VOC	TCLP SVOC	TCLP Metals	Total/Metals/Mercury
JSSC-TP03-220601		6/1/22	10:30		6	X	X			X	X					
JSSC-TP02-220601		6/1/22	10:00		6	X	X			X	X					
JSSC-IDW-SF-220601			14:00							X			X	X	X	X
JSSC-IDW-SS-220601		—	13:50							X			1	X	X	X

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS

Metals TCLP Metals and Total/Mercury

Total/Metals/+ Mercury

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS

_____ RUSH (SURCHARGES APPLY)

_____ 1 day _____ 2 day _____ 3 day
_____ 4 day _____ 5 day
_____ Standard (10 business days-No Surcharge)

REQUESTED REPORT DATE

_____

REPORT REQUIREMENTS

_____ I. Results Only

_____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)

_____ III. Results + QC and Calibration Summaries

_____ IV. Data Validation Report with Raw Data

Edata _____ Yes _____ No

INVOICE INFORMATION

PO #

BILL TO:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Chris Gerrish	Printed Name: Gregory Ostmerlum	Printed Name	Printed Name	Printed Name	
Firm: Anchor QEA	Firm: ALS	Firm	Firm	Firm	
Date/Time: 6/1/22 15:15	Date/Time: 6/3/22 09:35	Date/Time	Date/Time	Date/Time	

R2205036 5

Anchor QEA, LLC
John Street

Distribution: White - Lab Copy; Yellow - Return to Originator

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R2205036
Anchor QEA, LLC
John Street
5

Cooler Receipt and Preservation Check For

Project/Client Anchor QEA Folder Number

Cooler received on 6/3/22 by: ME COURIER: ALS UPS (FEDEX) VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y (N)	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y N (NA)
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N *	6	Where did the bottles originate?	(ALS/ROC) CLIENT
4	Circle: (Wet Ice) **Dry Ice Gel packs** present?	(Y) N	7	Soil VOA received as: Bulk Encore (5035set) NA	

8. Temperature Readings Date: 6/3/22 Time: 09:45 ID: IR#7 IR#11 From: (Temp Blank) (Sample Bottle)

Observed Temp (°C)	10.8	9.5	8.1	12.8	11.6		
Within 0-6°C?	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: Ice melted (Poorly Packed (described below)) Same Day Rule

&Client Approval to Run Samples: Standing Approval Client aware at drop-off Client notified by:

All samples held in storage location: R-002 by ME on 6/3/22 at 10:15
5035 samples placed in storage location: F-09 by ME on 6/3/22 at 10:17 within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 6/4/22 Time: 09:23 by: ME

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**						

Bottle lot numbers: 112221-IBNS, 030920-IBNU

Explain all Discrepancies/ Other Comments:

* IDW59 8260 TCLP Jar has a broken cap, but it is still intact.

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: ME

PC Secondary Review:

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
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REPORT QUALIFIERS AND DEFINITIONS

U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.

J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.

Spike was diluted out.

+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).

X See Case Narrative for discussion.

MRL Method Reporting Limit. Also known as:
LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.

MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).

LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.

ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Anchor QEA, LLC **Service Request:** R2205036
Project: John Street/E.10921.03.01

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
ALS SOP	Soil	Total Solids

Client: Anchor QEA, LLC **Service Request:** R2205036
Project: John Street/E.10921.03.01

Sample Name: JSSC-TP03-220601 **Date Collected:** 06/1/22
Lab Code: R2205036-001 **Date Received:** 06/3/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	KMCLAEN
7471B	BDIAMOND	BDIAMOND
8082A	JBOEDICKER	AFELSER
8260C		FNAEGLER
8270D	AMOSES	AMOSES
ALS SOP		CLOI

Sample Name: JSSC-TP03-220601 **Date Collected:** 06/1/22
Lab Code: R2205036-001.R01 **Date Received:** 06/3/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
8270D	AMOSES	AMOSES

Sample Name: JSSC-TP02-220601 **Date Collected:** 06/1/22
Lab Code: R2205036-002 **Date Received:** 06/3/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	KMCLAEN
7471B	BDIAMOND	BDIAMOND
8082A	JBOEDICKER	AFELSER
8260C		FNAEGLER
8270D	AMOSES	AMOSES
ALS SOP		CLOI

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Service Request: R2205036

Sample Name: JSSC-TP02-220601
Lab Code: R2205036-002.R01
Sample Matrix: Soil
Date Collected: 06/1/22
Date Received: 06/3/22

Analysis Method	Extracted/Digested By	Analyzed By
8270D	AMOSES	AMOSES

Sample Name: JSSC-IDW59-220601
Lab Code: R2205036-003
Sample Matrix: Soil
Date Collected: 06/1/22
Date Received: 06/3/22

Analysis Method	Extracted/Digested By	Analyzed By
7471B	BDIAMOND	BDIAMOND
8082A	JBOEDICKER	AFELSER
9045D		ADIPZINSKI
ALS SOP		CLOI

Sample Name: JSSC-IDW58-220601
Lab Code: R2205036-004
Sample Matrix: Soil
Date Collected: 06/1/22
Date Received: 06/3/22

Analysis Method	Extracted/Digested By	Analyzed By
7471B	BDIAMOND	BDIAMOND
8082A	JBOEDICKER	AFELSER
9045D		ADIPZINSKI
ALS SOP		CLOI

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 10:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-TP03-220601	**Units:**	ug/Kg
Lab Code:	R2205036-001	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.18 U	4.3	0.18	.82	06/08/22 12:54	
1,1,1-Trichloroethane (TCA)	0.18 U	4.3	0.18	.82	06/08/22 12:54	
1,1,2,2-Tetrachloroethane	0.38 U	4.3	0.38	.82	06/08/22 12:54	
1,1,2-Trichloroethane	0.18 U	4.3	0.18	.82	06/08/22 12:54	
1,1-Dichloroethane (1,1-DCA)	0.18 U	4.3	0.18	.82	06/08/22 12:54	
1,1-Dichloroethene (1,1-DCE)	0.25 U	4.3	0.25	.82	06/08/22 12:54	
1,1-Dichloropropene	0.18 U	4.3	0.18	.82	06/08/22 12:54	
1,2,3-Trichlorobenzene	0.45 U	4.3	0.45	.82	06/08/22 12:54	
1,2,3-Trichloropropane	0.18 U	4.3	0.18	.82	06/08/22 12:54	
1,2,4-Trichlorobenzene	0.37 U	4.3	0.37	.82	06/08/22 12:54	
1,2,4-Trimethylbenzene	0.18 U	4.3	0.18	.82	06/08/22 12:54	
1,2-Dibromo-3-chloropropane (DBCP)	0.65 U	4.3	0.65	.82	06/08/22 12:54	
1,2-Dibromoethane	0.18 U	4.3	0.18	.82	06/08/22 12:54	
1,2-Dichlorobenzene	0.18 U	4.3	0.18	.82	06/08/22 12:54	
1,2-Dichloroethane	0.18 U	4.3	0.18	.82	06/08/22 12:54	
1,2-Dichloropropane	0.18 U	4.3	0.18	.82	06/08/22 12:54	
1,3,5-Trimethylbenzene	0.18 U	4.3	0.18	.82	06/08/22 12:54	
1,3-Dichlorobenzene	0.18 U	4.3	0.18	.82	06/08/22 12:54	
1,3-Dichloropropane	0.18 U	4.3	0.18	.82	06/08/22 12:54	
1,4-Dichlorobenzene	0.19 U	4.3	0.19	.82	06/08/22 12:54	
1,4-Dioxane	18 U	86	18	.82	06/08/22 12:54	
2,2-Dichloropropane	0.18 U	4.3	0.18	.82	06/08/22 12:54	
2-Butanone (MEK)	1.8 U	4.3	1.8	.82	06/08/22 12:54	
2-Chlorotoluene	0.18 U	4.3	0.18	.82	06/08/22 12:54	
2-Hexanone	0.32 U	4.3	0.32	.82	06/08/22 12:54	
4-Chlorotoluene	0.18 U	4.3	0.18	.82	06/08/22 12:54	
4-Isopropyltoluene	0.18 U	4.3	0.18	.82	06/08/22 12:54	
4-Methyl-2-pentanone	0.20 U	4.3	0.20	.82	06/08/22 12:54	
Acetone	13 U	22	13	.82	06/08/22 12:54	
Acrylonitrile	0.77 U	22	0.77	.82	06/08/22 12:54	
Benzene	0.18 U	4.3	0.18	.82	06/08/22 12:54	
Bromobenzene	0.18 U	4.3	0.18	.82	06/08/22 12:54	
Bromochloromethane	0.18 U	4.3	0.18	.82	06/08/22 12:54	
Bromodichloromethane	0.18 U	4.3	0.18	.82	06/08/22 12:54	
Bromoform	0.44 U	4.3	0.44	.82	06/08/22 12:54	
Bromomethane	1.9 U	4.3	1.9	.82	06/08/22 12:54	
Carbon Disulfide	0.25 U	4.3	0.25	.82	06/08/22 12:54	
Carbon Tetrachloride	0.23 U	4.3	0.23	.82	06/08/22 12:54	
Chlorobenzene	0.18 U	4.3	0.18	.82	06/08/22 12:54	
Chloroethane	0.36 U	4.3	0.36	.82	06/08/22 12:54	
Chloroform	0.18 U	4.3	0.18	.82	06/08/22 12:54	
Chloromethane	1.3 U	4.3	1.3	.82	06/08/22 12:54	
Dibromochloromethane	0.18 U	4.3	0.18	.82	06/08/22 12:54	

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 10:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-TP03-220601	**Units:**	ug/Kg
Lab Code:	R2205036-001	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.18 U	4.3	0.18	.82	06/08/22 12:54	
Dichlorodifluoromethane (CFC 12)	0.29 U	4.3	0.29	.82	06/08/22 12:54	
Methylene Chloride	2.5 U	4.3	2.5	.82	06/08/22 12:54	
Diethyl Ether	0.22 U	4.3	0.22	.82	06/08/22 12:54	
Ethylbenzene	0.87 U	4.3	0.87	.82	06/08/22 12:54	
Hexachlorobutadiene	0.41 U	4.3	0.41	.82	06/08/22 12:54	
Isopropylbenzene (Cumene)	0.18 U	4.3	0.18	.82	06/08/22 12:54	
Methyl tert-Butyl Ether	0.18 U	4.3	0.18	.82	06/08/22 12:54	
Naphthalene	0.86 U	4.3	0.86	.82	06/08/22 12:54	
Styrene	0.87 U	4.3	0.87	.82	06/08/22 12:54	
Tetrachloroethene (PCE)	0.20 U	4.3	0.20	.82	06/08/22 12:54	
Toluene	1.8 U	4.3	1.8	.82	06/08/22 12:54	
Trichloroethene (TCE)	0.19 U	4.3	0.19	.82	06/08/22 12:54	
Trichlorofluoromethane (CFC 11)	0.23 U	4.3	0.23	.82	06/08/22 12:54	
Vinyl Acetate	0.68 U	8.6	0.68	.82	06/08/22 12:54	
Vinyl Chloride	0.40 U	4.3	0.40	.82	06/08/22 12:54	
Xylenes, Total	0.45 U	13	0.45	.82	06/08/22 12:54	
cis-1,2-Dichloroethene	0.18 U	4.3	0.18	.82	06/08/22 12:54	
cis-1,3-Dichloropropene	0.18 U	4.3	0.18	.82	06/08/22 12:54	
m,p-Xylenes	1.8 U	8.6	1.8	.82	06/08/22 12:54	
n-Butylbenzene	0.18 U	4.3	0.18	.82	06/08/22 12:54	
n-Propylbenzene	0.18 U	4.3	0.18	.82	06/08/22 12:54	
o-Xylene	0.87 U	4.3	0.87	.82	06/08/22 12:54	
sec-Butylbenzene	0.18 U	4.3	0.18	.82	06/08/22 12:54	
tert-Butylbenzene	0.18 U	4.3	0.18	.82	06/08/22 12:54	
trans-1,2-Dichloroethene	0.18 U	4.3	0.18	.82	06/08/22 12:54	
trans-1,3-Dichloropropene	0.18 U	4.3	0.18	.82	06/08/22 12:54	
trans-1,4-Dichloro-2-butene	0.19 U	4.3	0.19	.82	06/08/22 12:54	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	31 - 154	06/08/22 12:54	
Dibromofluoromethane	99	63 - 138	06/08/22 12:54	
Toluene-d8	98	66 - 138	06/08/22 12:54	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 10:00
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-TP02-220601	**Units:**	ug/Kg
Lab Code:	R2205036-002	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.21 U	5.2	0.21	.99	06/08/22 13:17	
1,1,1-Trichloroethane (TCA)	0.21 U	5.2	0.21	.99	06/08/22 13:17	
1,1,2,2-Tetrachloroethane	0.47 U	5.2	0.47	.99	06/08/22 13:17	
1,1,2-Trichloroethane	0.21 U	5.2	0.21	.99	06/08/22 13:17	
1,1-Dichloroethane (1,1-DCA)	0.21 U	5.2	0.21	.99	06/08/22 13:17	
1,1-Dichloroethene (1,1-DCE)	0.31 U	5.2	0.31	.99	06/08/22 13:17	
1,1-Dichloropropene	0.21 U	5.2	0.21	.99	06/08/22 13:17	
1,2,3-Trichlorobenzene	0.55 U	5.2	0.55	.99	06/08/22 13:17	
1,2,3-Trichloropropane	0.21 U	5.2	0.21	.99	06/08/22 13:17	
1,2,4-Trichlorobenzene	0.45 U	5.2	0.45	.99	06/08/22 13:17	
1,2,4-Trimethylbenzene	0.21 U	5.2	0.21	.99	06/08/22 13:17	
1,2-Dibromo-3-chloropropane (DBCP)	0.79 U	5.2	0.79	.99	06/08/22 13:17	
1,2-Dibromoethane	0.21 U	5.2	0.21	.99	06/08/22 13:17	
1,2-Dichlorobenzene	0.21 U	5.2	0.21	.99	06/08/22 13:17	
1,2-Dichloroethane	0.21 U	5.2	0.21	.99	06/08/22 13:17	
1,2-Dichloropropane	0.21 U	5.2	0.21	.99	06/08/22 13:17	
1,3,5-Trimethylbenzene	0.21 U	5.2	0.21	.99	06/08/22 13:17	
1,3-Dichlorobenzene	0.21 U	5.2	0.21	.99	06/08/22 13:17	
1,3-Dichloropropane	0.21 U	5.2	0.21	.99	06/08/22 13:17	
1,4-Dichlorobenzene	0.24 U	5.2	0.24	.99	06/08/22 13:17	
1,4-Dioxane	21 U	100	21	.99	06/08/22 13:17	
2,2-Dichloropropane	0.21 U	5.2	0.21	.99	06/08/22 13:17	
2-Butanone (MEK)	2.1 U	5.2	2.1	.99	06/08/22 13:17	
2-Chlorotoluene	0.21 U	5.2	0.21	.99	06/08/22 13:17	
2-Hexanone	0.38 U	5.2	0.38	.99	06/08/22 13:17	
4-Chlorotoluene	0.21 U	5.2	0.21	.99	06/08/22 13:17	
4-Isopropyltoluene	0.21 U	5.2	0.21	.99	06/08/22 13:17	
4-Methyl-2-pentanone	0.25 U	5.2	0.25	.99	06/08/22 13:17	
Acetone	16 U	26	16	.99	06/08/22 13:17	
Acrylonitrile	0.94 U	26	0.94	.99	06/08/22 13:17	
Benzene	0.21 U	5.2	0.21	.99	06/08/22 13:17	
Bromobenzene	0.21 U	5.2	0.21	.99	06/08/22 13:17	
Bromochloromethane	0.21 U	5.2	0.21	.99	06/08/22 13:17	
Bromodichloromethane	0.21 U	5.2	0.21	.99	06/08/22 13:17	
Bromoform	0.53 U	5.2	0.53	.99	06/08/22 13:17	
Bromomethane	2.3 U	5.2	2.3	.99	06/08/22 13:17	
Carbon Disulfide	0.31 U	5.2	0.31	.99	06/08/22 13:17	
Carbon Tetrachloride	0.28 U	5.2	0.28	.99	06/08/22 13:17	
Chlorobenzene	0.21 U	5.2	0.21	.99	06/08/22 13:17	
Chloroethane	0.44 U	5.2	0.44	.99	06/08/22 13:17	
Chloroform	0.21 U	5.2	0.21	.99	06/08/22 13:17	
Chloromethane	1.5 U	5.2	1.5	.99	06/08/22 13:17	
Dibromochloromethane	0.21 U	5.2	0.21	.99	06/08/22 13:17	

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 10:00
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-TP02-220601	**Units:**	ug/Kg
Lab Code:	R2205036-002	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.21 U	5.2	0.21	.99	06/08/22 13:17	
Dichlorodifluoromethane (CFC 12)	0.35 U	5.2	0.35	.99	06/08/22 13:17	
Methylene Chloride	3.0 U	5.2	3.0	.99	06/08/22 13:17	
Diethyl Ether	0.27 U	5.2	0.27	.99	06/08/22 13:17	
Ethylbenzene	1.1 U	5.2	1.1	.99	06/08/22 13:17	
Hexachlorobutadiene	0.50 U	5.2	0.50	.99	06/08/22 13:17	
Isopropylbenzene (Cumene)	0.21 U	5.2	0.21	.99	06/08/22 13:17	
Methyl tert-Butyl Ether	0.21 U	5.2	0.21	.99	06/08/22 13:17	
Naphthalene	1.1 U	5.2	1.1	.99	06/08/22 13:17	
Styrene	1.1 U	5.2	1.1	.99	06/08/22 13:17	
Tetrachloroethene (PCE)	0.25 U	5.2	0.25	.99	06/08/22 13:17	
Toluene	2.1 U	5.2	2.1	.99	06/08/22 13:17	
Trichloroethene (TCE)	0.24 U	5.2	0.24	.99	06/08/22 13:17	
Trichlorofluoromethane (CFC 11)	0.28 U	5.2	0.28	.99	06/08/22 13:17	
Vinyl Acetate	0.82 U	10	0.82	.99	06/08/22 13:17	
Vinyl Chloride	0.49 U	5.2	0.49	.99	06/08/22 13:17	
Xylenes, Total	0.55 U	16	0.55	.99	06/08/22 13:17	
cis-1,2-Dichloroethene	0.21 U	5.2	0.21	.99	06/08/22 13:17	
cis-1,3-Dichloropropene	0.21 U	5.2	0.21	.99	06/08/22 13:17	
m,p-Xylenes	2.1 U	10	2.1	.99	06/08/22 13:17	
n-Butylbenzene	0.21 U	5.2	0.21	.99	06/08/22 13:17	
n-Propylbenzene	0.21 U	5.2	0.21	.99	06/08/22 13:17	
o-Xylene	1.1 U	5.2	1.1	.99	06/08/22 13:17	
sec-Butylbenzene	0.21 U	5.2	0.21	.99	06/08/22 13:17	
tert-Butylbenzene	0.21 U	5.2	0.21	.99	06/08/22 13:17	
trans-1,2-Dichloroethene	0.21 U	5.2	0.21	.99	06/08/22 13:17	
trans-1,3-Dichloropropene	0.21 U	5.2	0.21	.99	06/08/22 13:17	
trans-1,4-Dichloro-2-butene	0.24 U	5.2	0.24	.99	06/08/22 13:17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	31 - 154	06/08/22 13:17	
Dibromofluoromethane	97	63 - 138	06/08/22 13:17	
Toluene-d8	96	66 - 138	06/08/22 13:17	

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 10:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-TP03-220601	**Units:**	ug/Kg
Lab Code:	R2205036-001	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	82 U	370	82	1	06/08/22 15:10	6/7/22	
2,3,4,6-Tetrachlorophenol	130 U	370	130	1	06/08/22 15:10	6/7/22	
2,4,5-Trichlorophenol	91 U	370	91	1	06/08/22 15:10	6/7/22	
2,4,6-Trichlorophenol	82 U	370	82	1	06/08/22 15:10	6/7/22	
2,4-Dichlorophenol	71 U	370	71	1	06/08/22 15:10	6/7/22	
2,4-Dimethylphenol	66 U	370	66	1	06/08/22 15:10	6/7/22	
2,4-Dinitrophenol	630 U	1900	630	1	06/08/22 15:10	6/7/22	
2,4-Dinitrotoluene	150 U	370	150	1	06/08/22 15:10	6/7/22	
2,6-Dinitrotoluene	81 U	370	81	1	06/08/22 15:10	6/7/22	
2-Chloronaphthalene	74 U	370	74	1	06/08/22 15:10	6/7/22	
2-Chlorophenol	62 U	370	62	1	06/08/22 15:10	6/7/22	
2-Methylnaphthalene	130 U	370	130	1	06/08/22 15:10	6/7/22	
2-Methylphenol	76 U	370	76	1	06/08/22 15:10	6/7/22	
2-Nitroaniline	87 U	1900	87	1	06/08/22 15:10	6/7/22	
2-Nitrophenol	86 U	370	86	1	06/08/22 15:10	6/7/22	
3,3'-Dichlorobenzidine	42 U	370	42	1	06/08/22 15:10	6/7/22	
3- and 4-Methylphenol Coelution	71 U	370	71	1	06/08/22 15:10	6/7/22	
3-Nitroaniline	74 U	1900	74	1	06/08/22 15:10	6/7/22	
4,6-Dinitro-2-methylphenol	210 U	1900	210	1	06/08/22 15:10	6/7/22	
4-Bromophenyl Phenyl Ether	97 U	370	97	1	06/08/22 15:10	6/7/22	
4-Chloro-3-methylphenol	74 U	370	74	1	06/08/22 15:10	6/7/22	
4-Chloroaniline	62 U	370	62	1	06/08/22 15:10	6/7/22	
4-Chlorophenyl Phenyl Ether	79 U	370	79	1	06/08/22 15:10	6/7/22	
4-Nitroaniline	80 U	1900	80	1	06/08/22 15:10	6/7/22	
4-Nitrophenol	74 U	1900	74	1	06/08/22 15:10	6/7/22	
Acenaphthene	70 U	370	70	1	06/08/22 15:10	6/7/22	
Acenaphthylene	75 U	370	75	1	06/08/22 15:10	6/7/22	
Acetophenone	110 U	370	110	1	06/08/22 15:10	6/7/22	
Anthracene	62 U	370	62	1	06/08/22 15:10	6/7/22	
Atrazine	110 U	370	110	1	06/08/22 15:10	6/7/22	
Benz(a)anthracene	55 U	370	55	1	06/08/22 15:10	6/7/22	
Benzaldehyde	89 U	1900	89	1	06/08/22 15:10	6/7/22	
Benzo(a)pyrene	98 U	370	98	1	06/08/22 15:10	6/7/22	
Benzo(b)fluoranthene	62 U	370	62	1	06/08/22 15:10	6/7/22	
Benzo(g,h,i)perylene	85 U	370	85	1	06/08/22 15:10	6/7/22	
Benzo(k)fluoranthene	60 U	370	60	1	06/08/22 15:10	6/7/22	
Biphenyl	110 U	370	110	1	06/08/22 15:10	6/7/22	
2,2'-Oxybis(1-chloropropane)	76 U	370	76	1	06/08/22 15:10	6/7/22	
Bis(2-chloroethoxy)methane	90 U	370	90	1	06/08/22 15:10	6/7/22	
Bis(2-chloroethyl) Ether	73 U	370	73	1	06/08/22 15:10	6/7/22	
Bis(2-ethylhexyl) Phthalate	67 U	560	67	1	06/08/22 15:10	6/7/22	
Butyl Benzyl Phthalate	45 U	370	45	1	06/08/22 15:10	6/7/22	
Caprolactam	81 U	370	81	1	06/08/22 15:10	6/7/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 10:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-TP03-220601	**Units:**	ug/Kg
Lab Code:	R2205036-001	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	60 U	370	60	1	06/08/22 15:10	6/7/22	
Chrysene	54 U	370	54	1	06/08/22 15:10	6/7/22	
Di-n-butyl Phthalate	60 U	370	60	1	06/08/22 15:10	6/7/22	
Di-n-octyl Phthalate	130 U	370	130	1	06/08/22 15:10	6/7/22	
Dibenz(a,h)anthracene	80 U	370	80	1	06/08/22 15:10	6/7/22	
Dibenzofuran	67 U	370	67	1	06/08/22 15:10	6/7/22	
Diethyl Phthalate	66 U	370	66	1	06/08/22 15:10	6/7/22	
Dimethyl Phthalate	70 U	370	70	1	06/08/22 15:10	6/7/22	
Fluoranthene	93 U	370	93	1	06/08/22 15:10	6/7/22	
Fluorene	69 U	370	69	1	06/08/22 15:10	6/7/22	
Hexachlorobenzene	89 U	370	89	1	06/08/22 15:10	6/7/22	
Hexachlorobutadiene	130 U	370	130	1	06/08/22 15:10	6/7/22	
Hexachlorocyclopentadiene	120 U	370	120	1	06/08/22 15:10	6/7/22	
Hexachloroethane	69 U	370	69	1	06/08/22 15:10	6/7/22	
Indeno(1,2,3-cd)pyrene	120 U	370	120	1	06/08/22 15:10	6/7/22	
Isophorone	77 U	370	77	1	06/08/22 15:10	6/7/22	
N-Nitrosodi-n-propylamine	120 U	370	120	1	06/08/22 15:10	6/7/22	
N-Nitrosodiphenylamine	230 U	370	230	1	06/08/22 15:10	6/7/22	
Naphthalene	69 U	370	69	1	06/08/22 15:10	6/7/22	
Nitrobenzene	66 U	370	66	1	06/08/22 15:10	6/7/22	
Pentachlorophenol (PCP)	370 U	1900	370	1	06/08/22 15:10	6/7/22	
Phenanthrene	52 U	370	52	1	06/08/22 15:10	6/7/22	
Phenol	74 U	370	74	1	06/08/22 15:10	6/7/22	
Pyrene	61 U	370	61	1	06/08/22 15:10	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	69	15 - 142	06/08/22 15:10	
2-Fluorobiphenyl	56	25 - 114	06/08/22 15:10	
2-Fluorophenol	55	18 - 98	06/08/22 15:10	
Nitrobenzene-d5	55	14 - 104	06/08/22 15:10	
Phenol-d6	55	18 - 103	06/08/22 15:10	
Terphenyl-d14	72	38 - 141	06/08/22 15:10	

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 10:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-TP03-220601	**Units:**	ug/Kg
Lab Code:	R2205036-001	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	80 U	360	80	1	06/09/22 18:17	6/9/22	
2,3,4,6-Tetrachlorophenol	130 U	360	130	1	06/09/22 18:17	6/9/22	
2,4,5-Trichlorophenol	88 U	360	88	1	06/09/22 18:17	6/9/22	
2,4,6-Trichlorophenol	80 U	360	80	1	06/09/22 18:17	6/9/22	
2,4-Dichlorophenol	69 U	360	69	1	06/09/22 18:17	6/9/22	
2,4-Dimethylphenol	64 U	360	64	1	06/09/22 18:17	6/9/22	
2,4-Dinitrophenol	610 U	1800	610	1	06/09/22 18:17	6/9/22	
2,4-Dinitrotoluene	140 U	360	140	1	06/09/22 18:17	6/9/22	
2,6-Dinitrotoluene	78 U	360	78	1	06/09/22 18:17	6/9/22	
2-Chloronaphthalene	72 U	360	72	1	06/09/22 18:17	6/9/22	
2-Chlorophenol	60 U	360	60	1	06/09/22 18:17	6/9/22	
2-Methylnaphthalene	130 U	360	130	1	06/09/22 18:17	6/9/22	
2-Methylphenol	74 U	360	74	1	06/09/22 18:17	6/9/22	
2-Nitroaniline	85 U	1800	85	1	06/09/22 18:17	6/9/22	
2-Nitrophenol	83 U	360	83	1	06/09/22 18:17	6/9/22	
3,3'-Dichlorobenzidine	40 U	360	40	1	06/09/22 18:17	6/9/22	
3- and 4-Methylphenol Coelution	69 U	360	69	1	06/09/22 18:17	6/9/22	
3-Nitroaniline	72 U	1800	72	1	06/09/22 18:17	6/9/22	
4,6-Dinitro-2-methylphenol	210 U	1800	210	1	06/09/22 18:17	6/9/22	
4-Bromophenyl Phenyl Ether	94 U	360	94	1	06/09/22 18:17	6/9/22	
4-Chloro-3-methylphenol	72 U	360	72	1	06/09/22 18:17	6/9/22	
4-Chloroaniline	61 U	360	61	1	06/09/22 18:17	6/9/22	
4-Chlorophenyl Phenyl Ether	77 U	360	77	1	06/09/22 18:17	6/9/22	
4-Nitroaniline	77 U	1800	77	1	06/09/22 18:17	6/9/22	
4-Nitrophenol	72 U	1800	72	1	06/09/22 18:17	6/9/22	
Acenaphthene	68 U	360	68	1	06/09/22 18:17	6/9/22	
Acenaphthylene	73 U	360	73	1	06/09/22 18:17	6/9/22	
Acetophenone	110 U	360	110	1	06/09/22 18:17	6/9/22	
Anthracene	60 U	360	60	1	06/09/22 18:17	6/9/22	
Atrazine	110 U	360	110	1	06/09/22 18:17	6/9/22	
Benz(a)anthracene	53 U	360	53	1	06/09/22 18:17	6/9/22	
Benzaldehyde	87 U	1800	87	1	06/09/22 18:17	6/9/22	
Benzo(a)pyrene	95 U	360	95	1	06/09/22 18:17	6/9/22	
Benzo(b)fluoranthene	60 U	360	60	1	06/09/22 18:17	6/9/22	
Benzo(g,h,i)perylene	82 U	360	82	1	06/09/22 18:17	6/9/22	
Benzo(k)fluoranthene	58 U	360	58	1	06/09/22 18:17	6/9/22	
Biphenyl	110 U	360	110	1	06/09/22 18:17	6/9/22	
2,2'-Oxybis(1-chloropropane)	74 U	360	74	1	06/09/22 18:17	6/9/22	
Bis(2-chloroethoxy)methane	88 U	360	88	1	06/09/22 18:17	6/9/22	
Bis(2-chloroethyl) Ether	71 U	360	71	1	06/09/22 18:17	6/9/22	
Bis(2-ethylhexyl) Phthalate	66 U	540	66	1	06/09/22 18:17	6/9/22	
Butyl Benzyl Phthalate	43 U	360	43	1	06/09/22 18:17	6/9/22	
Caprolactam	79 U	360	79	1	06/09/22 18:17	6/9/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 10:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-TP03-220601	**Units:**	ug/Kg
Lab Code:	R2205036-001	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	58 U	360	58	1	06/09/22 18:17	6/9/22	
Chrysene	53 U	360	53	1	06/09/22 18:17	6/9/22	
Di-n-butyl Phthalate	58 U	360	58	1	06/09/22 18:17	6/9/22	
Di-n-octyl Phthalate	130 U	360	130	1	06/09/22 18:17	6/9/22	
Dibenz(a,h)anthracene	78 U	360	78	1	06/09/22 18:17	6/9/22	
Dibenzofuran	65 U	360	65	1	06/09/22 18:17	6/9/22	
Diethyl Phthalate	64 U	360	64	1	06/09/22 18:17	6/9/22	
Dimethyl Phthalate	68 U	360	68	1	06/09/22 18:17	6/9/22	
Fluoranthene	90 U	360	90	1	06/09/22 18:17	6/9/22	
Fluorene	67 U	360	67	1	06/09/22 18:17	6/9/22	
Hexachlorobenzene	86 U	360	86	1	06/09/22 18:17	6/9/22	
Hexachlorobutadiene	130 U	360	130	1	06/09/22 18:17	6/9/22	
Hexachlorocyclopentadiene	120 U	360	120	1	06/09/22 18:17	6/9/22	
Hexachloroethane	67 U	360	67	1	06/09/22 18:17	6/9/22	
Indeno(1,2,3-cd)pyrene	120 U	360	120	1	06/09/22 18:17	6/9/22	
Isophorone	75 U	360	75	1	06/09/22 18:17	6/9/22	
N-Nitrosodi-n-propylamine	110 U	360	110	1	06/09/22 18:17	6/9/22	
N-Nitrosodiphenylamine	230 U	360	230	1	06/09/22 18:17	6/9/22	
Naphthalene	67 U	360	67	1	06/09/22 18:17	6/9/22	
Nitrobenzene	64 U	360	64	1	06/09/22 18:17	6/9/22	
Pentachlorophenol (PCP)	360 U	1800	360	1	06/09/22 18:17	6/9/22	
Phenanthrene	51 U	360	51	1	06/09/22 18:17	6/9/22	
Phenol	72 U	360	72	1	06/09/22 18:17	6/9/22	
Pyrene	60 U	360	60	1	06/09/22 18:17	6/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	43	15 - 142	06/09/22 18:17	
2-Fluorobiphenyl	35	25 - 114	06/09/22 18:17	
2-Fluorophenol	34	18 - 98	06/09/22 18:17	
Nitrobenzene-d5	34	14 - 104	06/09/22 18:17	
Phenol-d6	34	18 - 103	06/09/22 18:17	
Terphenyl-d14	46	38 - 141	06/09/22 18:17	

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 10:00
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-TP02-220601	**Units:**	ug/Kg
Lab Code:	R2205036-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	81 U	360	81	1	06/08/22 15:34	6/7/22	
2,3,4,6-Tetrachlorophenol	130 U	360	130	1	06/08/22 15:34	6/7/22	
2,4,5-Trichlorophenol	89 U	360	89	1	06/08/22 15:34	6/7/22	
2,4,6-Trichlorophenol	81 U	360	81	1	06/08/22 15:34	6/7/22	
2,4-Dichlorophenol	70 U	360	70	1	06/08/22 15:34	6/7/22	
2,4-Dimethylphenol	65 U	360	65	1	06/08/22 15:34	6/7/22	
2,4-Dinitrophenol	620 U	1900	620	1	06/08/22 15:34	6/7/22	
2,4-Dinitrotoluene	140 U	360	140	1	06/08/22 15:34	6/7/22	
2,6-Dinitrotoluene	79 U	360	79	1	06/08/22 15:34	6/7/22	
2-Chloronaphthalene	73 U	360	73	1	06/08/22 15:34	6/7/22	
2-Chlorophenol	61 U	360	61	1	06/08/22 15:34	6/7/22	
2-Methylnaphthalene	130 U	360	130	1	06/08/22 15:34	6/7/22	
2-Methylphenol	75 U	360	75	1	06/08/22 15:34	6/7/22	
2-Nitroaniline	86 U	1900	86	1	06/08/22 15:34	6/7/22	
2-Nitrophenol	84 U	360	84	1	06/08/22 15:34	6/7/22	
3,3'-Dichlorobenzidine	41 U	360	41	1	06/08/22 15:34	6/7/22	
3- and 4-Methylphenol Coelution	70 U	360	70	1	06/08/22 15:34	6/7/22	
3-Nitroaniline	73 U	1900	73	1	06/08/22 15:34	6/7/22	
4,6-Dinitro-2-methylphenol	210 U	1900	210	1	06/08/22 15:34	6/7/22	
4-Bromophenyl Phenyl Ether	96 U	360	96	1	06/08/22 15:34	6/7/22	
4-Chloro-3-methylphenol	73 U	360	73	1	06/08/22 15:34	6/7/22	
4-Chloroaniline	61 U	360	61	1	06/08/22 15:34	6/7/22	
4-Chlorophenyl Phenyl Ether	78 U	360	78	1	06/08/22 15:34	6/7/22	
4-Nitroaniline	78 U	1900	78	1	06/08/22 15:34	6/7/22	
4-Nitrophenol	73 U	1900	73	1	06/08/22 15:34	6/7/22	
Acenaphthene	69 U	360	69	1	06/08/22 15:34	6/7/22	
Acenaphthylene	73 U	360	73	1	06/08/22 15:34	6/7/22	
Acetophenone	110 U	360	110	1	06/08/22 15:34	6/7/22	
Anthracene	61 U	360	61	1	06/08/22 15:34	6/7/22	
Atrazine	110 U	360	110	1	06/08/22 15:34	6/7/22	
Benz(a)anthracene	54 U	360	54	1	06/08/22 15:34	6/7/22	
Benzaldehyde	88 U	1900	88	1	06/08/22 15:34	6/7/22	
Benzo(a)pyrene	96 U	360	96	1	06/08/22 15:34	6/7/22	
Benzo(b)fluoranthene	61 U	360	61	1	06/08/22 15:34	6/7/22	
Benzo(g,h,i)perylene	83 U	360	83	1	06/08/22 15:34	6/7/22	
Benzo(k)fluoranthene	59 U	360	59	1	06/08/22 15:34	6/7/22	
Biphenyl	110 U	360	110	1	06/08/22 15:34	6/7/22	
2,2'-Oxybis(1-chloropropane)	74 U	360	74	1	06/08/22 15:34	6/7/22	
Bis(2-chloroethoxy)methane	89 U	360	89	1	06/08/22 15:34	6/7/22	
Bis(2-chloroethyl) Ether	72 U	360	72	1	06/08/22 15:34	6/7/22	
Bis(2-ethylhexyl) Phthalate	66 U	550	66	1	06/08/22 15:34	6/7/22	
Butyl Benzyl Phthalate	44 U	360	44	1	06/08/22 15:34	6/7/22	
Caprolactam	80 U	360	80	1	06/08/22 15:34	6/7/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 10:00
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-TP02-220601	**Units:**	ug/Kg
Lab Code:	R2205036-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	59 U	360	59	1	06/08/22 15:34	6/7/22	
Chrysene	54 U	360	54	1	06/08/22 15:34	6/7/22	
Di-n-butyl Phthalate	**500**	360	59	1	06/08/22 15:34	6/7/22	
Di-n-octyl Phthalate	130 U	360	130	1	06/08/22 15:34	6/7/22	
Dibenz(a,h)anthracene	79 U	360	79	1	06/08/22 15:34	6/7/22	
Dibenzofuran	66 U	360	66	1	06/08/22 15:34	6/7/22	
Diethyl Phthalate	65 U	360	65	1	06/08/22 15:34	6/7/22	
Dimethyl Phthalate	69 U	360	69	1	06/08/22 15:34	6/7/22	
Fluoranthene	91 U	360	91	1	06/08/22 15:34	6/7/22	
Fluorene	68 U	360	68	1	06/08/22 15:34	6/7/22	
Hexachlorobenzene	87 U	360	87	1	06/08/22 15:34	6/7/22	
Hexachlorobutadiene	130 U	360	130	1	06/08/22 15:34	6/7/22	
Hexachlorocyclopentadiene	120 U	360	120	1	06/08/22 15:34	6/7/22	
Hexachloroethane	68 U	360	68	1	06/08/22 15:34	6/7/22	
Indeno(1,2,3-cd)pyrene	120 U	360	120	1	06/08/22 15:34	6/7/22	
Isophorone	76 U	360	76	1	06/08/22 15:34	6/7/22	
N-Nitrosodi-n-propylamine	120 U	360	120	1	06/08/22 15:34	6/7/22	
N-Nitrosodiphenylamine	230 U	360	230	1	06/08/22 15:34	6/7/22	
Naphthalene	68 U	360	68	1	06/08/22 15:34	6/7/22	
Nitrobenzene	65 U	360	65	1	06/08/22 15:34	6/7/22	
Pentachlorophenol (PCP)	360 U	1900	360	1	06/08/22 15:34	6/7/22	
Phenanthrene	52 U	360	52	1	06/08/22 15:34	6/7/22	
Phenol	73 U	360	73	1	06/08/22 15:34	6/7/22	
Pyrene	60 U	360	60	1	06/08/22 15:34	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	81	15 - 142	06/08/22 15:34	
2-Fluorobiphenyl	66	25 - 114	06/08/22 15:34	
2-Fluorophenol	62	18 - 98	06/08/22 15:34	
Nitrobenzene-d5	60	14 - 104	06/08/22 15:34	
Phenol-d6	63	18 - 103	06/08/22 15:34	
Terphenyl-d14	79	38 - 141	06/08/22 15:34	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 10:00
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-TP02-220601	**Units:**	ug/Kg
Lab Code:	R2205036-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	78 U	350	78	1	06/09/22 18:41	6/9/22	
2,3,4,6-Tetrachlorophenol	130 U	350	130	1	06/09/22 18:41	6/9/22	
2,4,5-Trichlorophenol	87 U	350	87	1	06/09/22 18:41	6/9/22	
2,4,6-Trichlorophenol	78 U	350	78	1	06/09/22 18:41	6/9/22	
2,4-Dichlorophenol	68 U	350	68	1	06/09/22 18:41	6/9/22	
2,4-Dimethylphenol	63 U	350	63	1	06/09/22 18:41	6/9/22	
2,4-Dinitrophenol	600 U	1800	600	1	06/09/22 18:41	6/9/22	
2,4-Dinitrotoluene	140 U	350	140	1	06/09/22 18:41	6/9/22	
2,6-Dinitrotoluene	77 U	350	77	1	06/09/22 18:41	6/9/22	
2-Chloronaphthalene	70 U	350	70	1	06/09/22 18:41	6/9/22	
2-Chlorophenol	59 U	350	59	1	06/09/22 18:41	6/9/22	
2-Methylnaphthalene	130 U	350	130	1	06/09/22 18:41	6/9/22	
2-Methylphenol	73 U	350	73	1	06/09/22 18:41	6/9/22	
2-Nitroaniline	83 U	1800	83	1	06/09/22 18:41	6/9/22	
2-Nitrophenol	82 U	350	82	1	06/09/22 18:41	6/9/22	
3,3'-Dichlorobenzidine	40 U	350	40	1	06/09/22 18:41	6/9/22	
3- and 4-Methylphenol Coelution	67 U	350	67	1	06/09/22 18:41	6/9/22	
3-Nitroaniline	71 U	1800	71	1	06/09/22 18:41	6/9/22	
4,6-Dinitro-2-methylphenol	200 U	1800	200	1	06/09/22 18:41	6/9/22	
4-Bromophenyl Phenyl Ether	93 U	350	93	1	06/09/22 18:41	6/9/22	
4-Chloro-3-methylphenol	71 U	350	71	1	06/09/22 18:41	6/9/22	
4-Chloroaniline	60 U	350	60	1	06/09/22 18:41	6/9/22	
4-Chlorophenyl Phenyl Ether	75 U	350	75	1	06/09/22 18:41	6/9/22	
4-Nitroaniline	76 U	1800	76	1	06/09/22 18:41	6/9/22	
4-Nitrophenol	71 U	1800	71	1	06/09/22 18:41	6/9/22	
Acenaphthene	67 U	350	67	1	06/09/22 18:41	6/9/22	
Acenaphthylene	71 U	350	71	1	06/09/22 18:41	6/9/22	
Acetophenone	110 U	350	110	1	06/09/22 18:41	6/9/22	
Anthracene	59 U	350	59	1	06/09/22 18:41	6/9/22	
Atrazine	110 U	350	110	1	06/09/22 18:41	6/9/22	
Benz(a)anthracene	52 U	350	52	1	06/09/22 18:41	6/9/22	
Benzaldehyde	85 U	1800	85	1	06/09/22 18:41	6/9/22	
Benzo(a)pyrene	93 U	350	93	1	06/09/22 18:41	6/9/22	
Benzo(b)fluoranthene	59 U	350	59	1	06/09/22 18:41	6/9/22	
Benzo(g,h,i)perylene	81 U	350	81	1	06/09/22 18:41	6/9/22	
Benzo(k)fluoranthene	57 U	350	57	1	06/09/22 18:41	6/9/22	
Biphenyl	110 U	350	110	1	06/09/22 18:41	6/9/22	
2,2'-Oxybis(1-chloropropane)	72 U	350	72	1	06/09/22 18:41	6/9/22	
Bis(2-chloroethoxy)methane	86 U	350	86	1	06/09/22 18:41	6/9/22	
Bis(2-chloroethyl) Ether	69 U	350	69	1	06/09/22 18:41	6/9/22	
Bis(2-ethylhexyl) Phthalate	64 U	530	64	1	06/09/22 18:41	6/9/22	
Butyl Benzyl Phthalate	43 U	350	43	1	06/09/22 18:41	6/9/22	
Caprolactam	77 U	350	77	1	06/09/22 18:41	6/9/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 10:00
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-TP02-220601	**Units:**	ug/Kg
Lab Code:	R2205036-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	57 U	350	57	1	06/09/22 18:41	6/9/22	
Chrysene	52 U	350	52	1	06/09/22 18:41	6/9/22	
Di-n-butyl Phthalate	57 U	350	57	1	06/09/22 18:41	6/9/22	
Di-n-octyl Phthalate	130 U	350	130	1	06/09/22 18:41	6/9/22	
Dibenz(a,h)anthracene	76 U	350	76	1	06/09/22 18:41	6/9/22	
Dibenzofuran	64 U	350	64	1	06/09/22 18:41	6/9/22	
Diethyl Phthalate	63 U	350	63	1	06/09/22 18:41	6/9/22	
Dimethyl Phthalate	67 U	350	67	1	06/09/22 18:41	6/9/22	
Fluoranthene	88 U	350	88	1	06/09/22 18:41	6/9/22	
Fluorene	66 U	350	66	1	06/09/22 18:41	6/9/22	
Hexachlorobenzene	84 U	350	84	1	06/09/22 18:41	6/9/22	
Hexachlorobutadiene	130 U	350	130	1	06/09/22 18:41	6/9/22	
Hexachlorocyclopentadiene	120 U	350	120	1	06/09/22 18:41	6/9/22	
Hexachloroethane	66 U	350	66	1	06/09/22 18:41	6/9/22	
Indeno(1,2,3-cd)pyrene	120 U	350	120	1	06/09/22 18:41	6/9/22	
Isophorone	73 U	350	73	1	06/09/22 18:41	6/9/22	
N-Nitrosodi-n-propylamine	110 U	350	110	1	06/09/22 18:41	6/9/22	
N-Nitrosodiphenylamine	220 U	350	220	1	06/09/22 18:41	6/9/22	
Naphthalene	66 U	350	66	1	06/09/22 18:41	6/9/22	
Nitrobenzene	63 U	350	63	1	06/09/22 18:41	6/9/22	
Pentachlorophenol (PCP)	350 U	1800	350	1	06/09/22 18:41	6/9/22	
Phenanthrene	50 U	350	50	1	06/09/22 18:41	6/9/22	
Phenol	71 U	350	71	1	06/09/22 18:41	6/9/22	
Pyrene	59 U	350	59	1	06/09/22 18:41	6/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	68	15 - 142	06/09/22 18:41	
2-Fluorobiphenyl	51	25 - 114	06/09/22 18:41	
2-Fluorophenol	47	18 - 98	06/09/22 18:41	
Nitrobenzene-d5	46	14 - 104	06/09/22 18:41	
Phenol-d6	47	18 - 103	06/09/22 18:41	
Terphenyl-d14	73	38 - 141	06/09/22 18:41	

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
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www.alsglobal.com

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 10:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-TP03-220601	**Units:**	ug/Kg
Lab Code:	R2205036-001	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	18 U	34	18	1	06/10/22 07:48	6/7/22	
Aroclor 1221	28 U	70	28	1	06/10/22 07:48	6/7/22	
Aroclor 1232	20 U	34	20	1	06/10/22 07:48	6/7/22	
Aroclor 1242	18 U	34	18	1	06/10/22 07:48	6/7/22	
Aroclor 1248	19 U	34	19	1	06/10/22 07:48	6/7/22	
Aroclor 1254	18 U	34	18	1	06/10/22 07:48	6/7/22	
Aroclor 1260	18 U	34	18	1	06/10/22 07:48	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	81	22 - 128	06/10/22 07:48	
Tetrachloro-m-xylene	81	14 - 119	06/10/22 07:48	

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 10:00
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-TP02-220601	**Units:**	ug/Kg
Lab Code:	R2205036-002	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	18 U	35	18	1	06/10/22 08:08	6/7/22	
Aroclor 1221	28 U	70	28	1	06/10/22 08:08	6/7/22	
Aroclor 1232	20 U	35	20	1	06/10/22 08:08	6/7/22	
Aroclor 1242	18 U	35	18	1	06/10/22 08:08	6/7/22	
Aroclor 1248	19 U	35	19	1	06/10/22 08:08	6/7/22	
Aroclor 1254	18 U	35	18	1	06/10/22 08:08	6/7/22	
Aroclor 1260	18 U	35	18	1	06/10/22 08:08	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	73	22 - 128	06/10/22 08:08	
Tetrachloro-m-xylene	75	14 - 119	06/10/22 08:08	

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 14:00
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-IDW59-220601	**Units:**	ug/Kg
Lab Code:	R2205036-003	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	19 U	35	19	1	06/10/22 08:28	6/7/22	
Aroclor 1221	28 U	72	28	1	06/10/22 08:28	6/7/22	
Aroclor 1232	21 U	35	21	1	06/10/22 08:28	6/7/22	
Aroclor 1242	19 U	35	19	1	06/10/22 08:28	6/7/22	
Aroclor 1248	20 U	35	20	1	06/10/22 08:28	6/7/22	
Aroclor 1254	19 U	35	19	1	06/10/22 08:28	6/7/22	
Aroclor 1260	**21 J**	35	19	1	06/10/22 08:28	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	82	22 - 128	06/10/22 08:28	
Tetrachloro-m-xylene	83	14 - 119	06/10/22 08:28	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 13:50
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-IDW58-220601	**Units:**	ug/Kg
Lab Code:	R2205036-004	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	20 U	37	20	1	06/10/22 08:47	6/7/22	
Aroclor 1221	30 U	76	30	1	06/10/22 08:47	6/7/22	
Aroclor 1232	22 U	37	22	1	06/10/22 08:47	6/7/22	
Aroclor 1242	20 U	37	20	1	06/10/22 08:47	6/7/22	
Aroclor 1248	21 U	37	21	1	06/10/22 08:47	6/7/22	
Aroclor 1254	20 U	37	20	1	06/10/22 08:47	6/7/22	
Aroclor 1260	**29 J**	37	20	1	06/10/22 08:47	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	66	22 - 128	06/10/22 08:47	
Tetrachloro-m-xylene	69	14 - 119	06/10/22 08:47	

Metals

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 10:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-TP03-220601	**Basis:**	Dry
Lab Code:	R2205036-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	**3970**	mg/Kg	19	12	1	06/07/22 20:31	06/07/22	
Antimony, Total	6010C	0.6 U	mg/Kg	5.7	0.6	1	06/07/22 20:31	06/07/22	
Arsenic, Total	6010C	**11.5**	mg/Kg	0.95	0.70	1	06/07/22 20:31	06/07/22	
Barium, Total	6010C	**45.4**	mg/Kg	1.9	1.5	1	06/07/22 20:31	06/07/22	
Beryllium, Total	6010C	**0.24 J**	mg/Kg	0.29	0.03	1	06/07/22 20:31	06/07/22	
Cadmium, Total	6010C	**0.22 J**	mg/Kg	0.48	0.09	1	06/07/22 20:31	06/07/22	
Calcium, Total	6010C	**5530**	mg/Kg	95	32	1	06/07/22 20:31	06/07/22	
Chromium, Total	6010C	**9.72**	mg/Kg	0.95	0.35	1	06/07/22 20:31	06/07/22	
Cobalt, Total	6010C	**4.9**	mg/Kg	4.8	0.09	1	06/07/22 20:31	06/07/22	
Copper, Total	6010C	**27.1**	mg/Kg	1.9	0.2	1	06/07/22 20:31	06/07/22	
Iron, Total	6010C	**14000**	mg/Kg	190	130	10	06/07/22 21:39	06/07/22	
Lead, Total	6010C	**14.8**	mg/Kg	4.8	0.4	1	06/07/22 20:31	06/07/22	
Magnesium, Total	6010C	**4320**	mg/Kg	95	13	1	06/07/22 20:31	06/07/22	
Manganese, Total	6010C	**276**	mg/Kg	1.9	0.2	1	06/07/22 20:31	06/07/22	
Mercury, Total	7471B	**5.68**	mg/Kg	0.45	0.18	10	06/09/22 15:17	06/09/22	
Nickel, Total	6010C	**22.5**	mg/Kg	3.8	0.7	1	06/07/22 20:31	06/07/22	
Potassium, Total	6010C	**1180**	mg/Kg	190	50	1	06/07/22 20:31	06/07/22	
Selenium, Total	6010C	0.54 U	mg/Kg	0.95	0.54	1	06/07/22 20:31	06/07/22	
Silver, Total	6010C	0.09 U	mg/Kg	0.95	0.09	1	06/07/22 20:31	06/07/22	
Sodium, Total	6010C	**127**	mg/Kg	95	19	1	06/07/22 20:31	06/07/22	
Thallium, Total	6010C	0.65 U	mg/Kg	0.95	0.65	1	06/07/22 20:31	06/07/22	
Vanadium, Total	6010C	**17.0**	mg/Kg	4.8	0.07	1	06/07/22 20:31	06/07/22	
Zinc, Total	6010C	**43.5**	mg/Kg	1.9	1.4	1	06/07/22 20:31	06/07/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 10:00
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-TP02-220601	**Basis:**	Dry
Lab Code:	R2205036-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	**3710**	mg/Kg	21	13	1	06/07/22 20:38	06/07/22	
Antimony, Total	6010C	0.6 U	mg/Kg	6.2	0.6	1	06/07/22 20:38	06/07/22	
Arsenic, Total	6010C	**10.8**	mg/Kg	1.0	0.8	1	06/07/22 20:38	06/07/22	
Barium, Total	6010C	**46.7**	mg/Kg	2.1	1.6	1	06/07/22 20:38	06/07/22	
Beryllium, Total	6010C	**0.21 J**	mg/Kg	0.31	0.04	1	06/07/22 20:38	06/07/22	
Cadmium, Total	6010C	**0.18 J**	mg/Kg	0.52	0.09	1	06/07/22 20:38	06/07/22	
Calcium, Total	6010C	**6030**	mg/Kg	100	40	1	06/07/22 20:38	06/07/22	
Chromium, Total	6010C	**11.7**	mg/Kg	1.0	0.4	1	06/07/22 20:38	06/07/22	
Cobalt, Total	6010C	**4.2 J**	mg/Kg	5.2	0.09	1	06/07/22 20:38	06/07/22	
Copper, Total	6010C	**21.1**	mg/Kg	2.1	0.2	1	06/07/22 20:38	06/07/22	
Iron, Total	6010C	**11600**	mg/Kg	210	140	10	06/07/22 21:46	06/07/22	
Lead, Total	6010C	**76.9**	mg/Kg	5.2	0.5	1	06/07/22 20:38	06/07/22	
Magnesium, Total	6010C	**2720**	mg/Kg	100	20	1	06/07/22 20:38	06/07/22	
Manganese, Total	6010C	**202**	mg/Kg	2.1	0.2	1	06/07/22 20:38	06/07/22	
Mercury, Total	7471B	**81.8**	mg/Kg	4.6	1.8	100	06/09/22 15:19	06/09/22	
Nickel, Total	6010C	**13.3**	mg/Kg	4.2	0.7	1	06/07/22 20:38	06/07/22	
Potassium, Total	6010C	**1040**	mg/Kg	210	60	1	06/07/22 20:38	06/07/22	
Selenium, Total	6010C	0.6 U	mg/Kg	1.0	0.6	1	06/07/22 20:38	06/07/22	
Silver, Total	6010C	0.10 U	mg/Kg	1.0	0.10	1	06/07/22 20:38	06/07/22	
Sodium, Total	6010C	**100**	mg/Kg	100	20	1	06/07/22 20:38	06/07/22	
Thallium, Total	6010C	0.7 U	mg/Kg	1.0	0.7	1	06/07/22 20:38	06/07/22	
Vanadium, Total	6010C	**19.1**	mg/Kg	5.2	0.08	1	06/07/22 20:38	06/07/22	
Zinc, Total	6010C	**33.9**	mg/Kg	2.1	1.5	1	06/07/22 20:38	06/07/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 14:00
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-IDW59-220601	**Basis:**	Dry
Lab Code:	R2205036-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Mercury, Total	7471B	**135**	mg/Kg	4.3	1.8	100	06/09/22 15:23	06/09/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 13:50
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-IDW58-220601	**Basis:**	Dry
Lab Code:	R2205036-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Mercury, Total	7471B	**3200**	mg/Kg	100	50	2000	06/09/22 15:31	06/09/22	

General Chemistry

ALS Environmental—Rochester Laboratory
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Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 10:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-TP03-220601	**Basis:**	As Received
Lab Code:	R2205036-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**95.2**	Percent	-	1	06/06/22 10:35	

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 10:00
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-TP02-220601	**Basis:**	As Received
Lab Code:	R2205036-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**94.3**	Percent	-	1	06/06/22 10:35	

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 14:00
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-IDW59-220601	**Basis:**	As Received
Lab Code:	R2205036-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
pH	9045D	**8.89**	pH Units	-	1	06/06/22 12:30	H
Total Solids	ALS SOP	**94.9**	Percent	-	1	06/06/22 10:35	

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	06/01/22 13:50
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	JSSC-IDW58-220601	**Basis:**	As Received
Lab Code:	R2205036-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
pH	9045D	**8.41**	pH Units	-	1	06/06/22 12:30	H
Total Solids	ALS SOP	**92.5**	Percent	-	1	06/06/22 10:35	

QC Summary Forms

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Anchor QEA, LLC **Service Request:** R2205036
Project: John Street/E.10921.03.01
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5035A

Sample Name	Lab Code	4-Bromofluorobenzene 31-154	Dibromofluoromethane 63-138	Toluene-d8 66-138
JSSC-TP03-220601	R2205036-001	97	99	98
JSSC-TP02-220601	R2205036-002	95	97	96
Method Blank	RQ2206435-04	93	94	92
Lab Control Sample	RQ2206435-03	93	92	89

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2206435-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,1,2,2-Tetrachloroethane	0.44 U	5.0	0.44	1	06/08/22 11:56	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,1-Dichloroethene (1,1-DCE)	0.29 U	5.0	0.29	1	06/08/22 11:56	
1,1-Dichloropropene	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,2,3-Trichlorobenzene	0.52 U	5.0	0.52	1	06/08/22 11:56	
1,2,3-Trichloropropane	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,2,4-Trichlorobenzene	0.42 U	5.0	0.42	1	06/08/22 11:56	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,2-Dibromo-3-chloropropane (DBCP)	0.75 U	5.0	0.75	1	06/08/22 11:56	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,3-Dichloropropane	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,4-Dichlorobenzene	0.22 U	5.0	0.22	1	06/08/22 11:56	
1,4-Dioxane	20 U	100	20	1	06/08/22 11:56	
2,2-Dichloropropane	0.20 U	5.0	0.20	1	06/08/22 11:56	
2-Butanone (MEK)	2.0 U	5.0	2.0	1	06/08/22 11:56	
2-Chlorotoluene	0.20 U	5.0	0.20	1	06/08/22 11:56	
2-Hexanone	0.36 U	5.0	0.36	1	06/08/22 11:56	
4-Chlorotoluene	0.20 U	5.0	0.20	1	06/08/22 11:56	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	06/08/22 11:56	
4-Methyl-2-pentanone	0.23 U	5.0	0.23	1	06/08/22 11:56	
Acetone	15 U	25	15	1	06/08/22 11:56	
Acrylonitrile	0.89 U	25	0.89	1	06/08/22 11:56	
Benzene	0.20 U	5.0	0.20	1	06/08/22 11:56	
Bromobenzene	0.20 U	5.0	0.20	1	06/08/22 11:56	
Bromochloromethane	0.20 U	5.0	0.20	1	06/08/22 11:56	
Bromodichloromethane	0.20 U	5.0	0.20	1	06/08/22 11:56	
Bromoform	0.50 U	5.0	0.50	1	06/08/22 11:56	
Bromomethane	2.1 U	5.0	2.1	1	06/08/22 11:56	
Carbon Disulfide	0.29 U	5.0	0.29	1	06/08/22 11:56	
Carbon Tetrachloride	0.26 U	5.0	0.26	1	06/08/22 11:56	
Chlorobenzene	0.20 U	5.0	0.20	1	06/08/22 11:56	
Chloroethane	0.41 U	5.0	0.41	1	06/08/22 11:56	
Chloroform	0.20 U	5.0	0.20	1	06/08/22 11:56	
Chloromethane	1.4 U	5.0	1.4	1	06/08/22 11:56	
Dibromochloromethane	0.20 U	5.0	0.20	1	06/08/22 11:56	

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2206435-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.20 U	5.0	0.20	1	06/08/22 11:56	
Dichlorodifluoromethane (CFC 12)	0.33 U	5.0	0.33	1	06/08/22 11:56	
Methylene Chloride	2.8 U	5.0	2.8	1	06/08/22 11:56	
Diethyl Ether	0.25 U	5.0	0.25	1	06/08/22 11:56	
Ethylbenzene	1.0 U	5.0	1.0	1	06/08/22 11:56	
Hexachlorobutadiene	0.47 U	5.0	0.47	1	06/08/22 11:56	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	06/08/22 11:56	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	06/08/22 11:56	
Naphthalene	0.99 U	5.0	0.99	1	06/08/22 11:56	
Styrene	1.0 U	5.0	1.0	1	06/08/22 11:56	
Tetrachloroethene (PCE)	0.23 U	5.0	0.23	1	06/08/22 11:56	
Toluene	2.0 U	5.0	2.0	1	06/08/22 11:56	
Trichloroethene (TCE)	0.22 U	5.0	0.22	1	06/08/22 11:56	
Trichlorofluoromethane (CFC 11)	0.26 U	5.0	0.26	1	06/08/22 11:56	
Vinyl Acetate	0.78 U	10	0.78	1	06/08/22 11:56	
Vinyl Chloride	0.46 U	5.0	0.46	1	06/08/22 11:56	
Xylenes, Total	0.52 U	15	0.52	1	06/08/22 11:56	
cis-1,2-Dichloroethene	0.20 U	5.0	0.20	1	06/08/22 11:56	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	06/08/22 11:56	
m,p-Xylenes	2.0 U	10	2.0	1	06/08/22 11:56	
n-Butylbenzene	0.20 U	5.0	0.20	1	06/08/22 11:56	
n-Propylbenzene	0.20 U	5.0	0.20	1	06/08/22 11:56	
o-Xylene	1.0 U	5.0	1.0	1	06/08/22 11:56	
sec-Butylbenzene	0.20 U	5.0	0.20	1	06/08/22 11:56	
tert-Butylbenzene	0.20 U	5.0	0.20	1	06/08/22 11:56	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	06/08/22 11:56	
trans-1,3-Dichloropropene	0.20 U	5.0	0.20	1	06/08/22 11:56	
trans-1,4-Dichloro-2-butene	0.22 U	5.0	0.22	1	06/08/22 11:56	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	31 - 154	06/08/22 11:56	
Dibromofluoromethane	94	63 - 138	06/08/22 11:56	
Toluene-d8	92	66 - 138	06/08/22 11:56	

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205036
Date Analyzed: 06/08/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

Lab Control Sample
RQ2206435-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	8260C	18.0	20.0	90	69-127
1,1,1-Trichloroethane (TCA)	8260C	19.8	20.0	99	68-123
1,1,2,2-Tetrachloroethane	8260C	16.4	20.0	82	78-121
1,1,2-Trichloroethane	8260C	18.2	20.0	91	84-117
1,1-Dichloroethane (1,1-DCA)	8260C	19.2	20.0	96	76-123
1,1-Dichloroethene (1,1-DCE)	8260C	19.6	20.0	98	65-115
1,1-Dichloropropene	8260C	20.2	20.0	101	66-119
1,2,3-Trichlorobenzene	8260C	16.6	20.0	83	60-128
1,2,3-Trichloropropane	8260C	16.5	20.0	82	78-115
1,2,4-Trichlorobenzene	8260C	18.2	20.0	91	62-130
1,2,4-Trimethylbenzene	8260C	18.0	20.0	90	67-121
1,2-Dibromo-3-chloropropane (DBCP)	8260C	16.7	20.0	84	54-135
1,2-Dibromoethane	8260C	17.2	20.0	86	77-117
1,2-Dichlorobenzene	8260C	17.3	20.0	87	75-116
1,2-Dichloroethane	8260C	18.1	20.0	90	74-116
1,2-Dichloropropane	8260C	18.0	20.0	90	79-112
1,3,5-Trimethylbenzene	8260C	17.9	20.0	90	66-122
1,3-Dichlorobenzene	8260C	17.5	20.0	87	72-118
1,3-Dichloropropane	8260C	17.1	20.0	85	82-111
1,4-Dichlorobenzene	8260C	17.6	20.0	88	72-117
1,4-Dioxane	8260C	324	400	81	59-147
2,2-Dichloropropane	8260C	19.9	20.0	99	53-131
2-Butanone (MEK)	8260C	16.6	20.0	83	67-129
2-Chlorotoluene	8260C	17.6	20.0	88	70-120
2-Hexanone	8260C	16.3	20.0	82	68-118
4-Chlorotoluene	8260C	17.3	20.0	87	72-120
4-Isopropyltoluene	8260C	18.2	20.0	91	58-128
4-Methyl-2-pentanone	8260C	16.6	20.0	83	64-123
Acetone	8260C	19.5 J	20.0	97	32-154
Acrylonitrile	8260C	81.4	100	81	71-124
Benzene	8260C	18.7	20.0	94	77-114
Bromobenzene	8260C	16.6	20.0	83	78-116
Bromochloromethane	8260C	18.5	20.0	92	78-117

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205036
Date Analyzed: 06/08/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

Lab Control Sample
RQ2206435-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromodichloromethane	8260C	18.4	20.0	92	72-118
Bromoform	8260C	20.6	20.0	103	55-134
Bromomethane	8260C	19.4	20.0	97	10-150
Carbon Disulfide	8260C	17.3	20.0	86	44-139
Carbon Tetrachloride	8260C	20.0	20.0	100	51-123
Chlorobenzene	8260C	17.7	20.0	88	79-115
Chloroethane	8260C	15.7	20.0	79	10-140
Chloroform	8260C	18.7	20.0	93	76-115
Chloromethane	8260C	24.6	20.0	123	10-131
Dibromochloromethane	8260C	16.8	20.0	84	68-121
Dibromomethane	8260C	18.6	20.0	93	29-115
Dichlorodifluoromethane (CFC 12)	8260C	24.6	20.0	123	51-144
Methylene Chloride	8260C	18.2	20.0	91	72-118
Diethyl Ether	8260C	19.8	20.0	99	78-127
Ethylbenzene	8260C	18.1	20.0	90	64-118
Hexachlorobutadiene	8260C	19.5	20.0	98	33-143
Isopropylbenzene (Cumene)	8260C	18.4	20.0	92	60-123
Methyl tert-Butyl Ether	8260C	17.6	20.0	88	76-118
Naphthalene	8260C	17.7	20.0	88	68-127
Styrene	8260C	17.2	20.0	86	74-117
Tetrachloroethene (PCE)	8260C	19.0	20.0	95	58-124
Toluene	8260C	18.4	20.0	92	72-116
Trichloroethene (TCE)	8260C	19.3	20.0	96	69-118
Trichlorofluoromethane (CFC 11)	8260C	20.8	20.0	104	52-127
Vinyl Acetate	8260C	18.7	20.0	94	47-159
Vinyl Chloride	8260C	20.0	20.0	100	59-153
cis-1,2-Dichloroethene	8260C	18.7	20.0	94	79-113
cis-1,3-Dichloropropene	8260C	18.2	20.0	91	66-117
m,p-Xylenes	8260C	36.4	40.0	91	68-118
n-Butylbenzene	8260C	18.4	20.0	92	54-131
n-Propylbenzene	8260C	18.2	20.0	91	59-126
o-Xylene	8260C	18.5	20.0	92	71-116
sec-Butylbenzene	8260C	18.6	20.0	93	54-128

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205036
Date Analyzed: 06/08/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

Lab Control Sample
RQ2206435-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
tert-Butylbenzene	8260C	18.5	20.0	92	58-123
trans-1,2-Dichloroethene	8260C	19.2	20.0	96	73-114
trans-1,3-Dichloropropene	8260C	18.6	20.0	93	57-135
trans-1,4-Dichloro-2-butene	8260C	14.6	20.0	73	35-149

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
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Phone (585) 288-5380 Fax (585) 288-8475
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Client: Anchor QEA, LLC **Service Request:** R2205036
Project: John Street/E.10921.03.01
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Extraction Method: EPA 3546

Sample Name	Lab Code	2,4,6-Tribromophenol 15-142	2-Fluorobiphenyl 25-114	2-Fluorophenol 18-98
JSSC-TP03-220601	R2205036-001	69	56	55
JSSC-TP03-220601 RE	R2205036-001	43	35	34
JSSC-TP02-220601	R2205036-002	81	66	62
JSSC-TP02-220601 RE	R2205036-002	68	51	47
Method Blank	RQ2206394-01	49	37	36
Method Blank	RQ2206596-01	56	44	42
Lab Control Sample	RQ2206394-02	51	41	43
Duplicate Lab Control Sample	RQ2206394-03	76	62	64
Lab Control Sample	RQ2206596-02	93	69	64
Duplicate Lab Control Sample	RQ2206596-03	93	72	70

Client: Anchor QEA, LLC **Service Request:** R2205036
Project: John Street/E.10921.03.01
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Extraction Method: EPA 3546

Sample Name	Lab Code	Nitrobenzene-d5 14-104	Phenol-d6 18-103	Terphenyl-d14 38-141
JSSC-TP03-220601	R2205036-001	55	55	72
JSSC-TP03-220601 RE	R2205036-001	34	34	46
JSSC-TP02-220601	R2205036-002	60	63	79
JSSC-TP02-220601 RE	R2205036-002	46	47	73
Method Blank	RQ2206394-01	36	36	52
Method Blank	RQ2206596-01	41	42	58
Lab Control Sample	RQ2206394-02	42	41	47
Duplicate Lab Control Sample	RQ2206394-03	62	61	70
Lab Control Sample	RQ2206596-02	62	66	80
Duplicate Lab Control Sample	RQ2206596-03	67	71	81

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2206394-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	75 U	340	75	1	06/08/22 13:57	6/7/22	
2,3,4,6-Tetrachlorophenol	120 U	340	120	1	06/08/22 13:57	6/7/22	
2,4,5-Trichlorophenol	83 U	340	83	1	06/08/22 13:57	6/7/22	
2,4,6-Trichlorophenol	75 U	340	75	1	06/08/22 13:57	6/7/22	
2,4-Dichlorophenol	65 U	340	65	1	06/08/22 13:57	6/7/22	
2,4-Dimethylphenol	61 U	340	61	1	06/08/22 13:57	6/7/22	
2,4-Dinitrophenol	570 U	1700	570	1	06/08/22 13:57	6/7/22	
2,4-Dinitrotoluene	130 U	340	130	1	06/08/22 13:57	6/7/22	
2,6-Dinitrotoluene	74 U	340	74	1	06/08/22 13:57	6/7/22	
2-Chloronaphthalene	68 U	340	68	1	06/08/22 13:57	6/7/22	
2-Chlorophenol	56 U	340	56	1	06/08/22 13:57	6/7/22	
2-Methylnaphthalene	120 U	340	120	1	06/08/22 13:57	6/7/22	
2-Methylphenol	70 U	340	70	1	06/08/22 13:57	6/7/22	
2-Nitroaniline	80 U	1700	80	1	06/08/22 13:57	6/7/22	
2-Nitrophenol	78 U	340	78	1	06/08/22 13:57	6/7/22	
3,3'-Dichlorobenzidine	38 U	340	38	1	06/08/22 13:57	6/7/22	
3- and 4-Methylphenol Coelution	65 U	340	65	1	06/08/22 13:57	6/7/22	
3-Nitroaniline	68 U	1700	68	1	06/08/22 13:57	6/7/22	
4,6-Dinitro-2-methylphenol	190 U	1700	190	1	06/08/22 13:57	6/7/22	
4-Bromophenyl Phenyl Ether	89 U	340	89	1	06/08/22 13:57	6/7/22	
4-Chloro-3-methylphenol	68 U	340	68	1	06/08/22 13:57	6/7/22	
4-Chloroaniline	57 U	340	57	1	06/08/22 13:57	6/7/22	
4-Chlorophenyl Phenyl Ether	72 U	340	72	1	06/08/22 13:57	6/7/22	
4-Nitroaniline	73 U	1700	73	1	06/08/22 13:57	6/7/22	
4-Nitrophenol	68 U	1700	68	1	06/08/22 13:57	6/7/22	
Acenaphthene	64 U	340	64	1	06/08/22 13:57	6/7/22	
Acenaphthylene	68 U	340	68	1	06/08/22 13:57	6/7/22	
Acetophenone	97 U	340	97	1	06/08/22 13:57	6/7/22	
Anthracene	57 U	340	57	1	06/08/22 13:57	6/7/22	
Atrazine	100 U	340	100	1	06/08/22 13:57	6/7/22	
Benz(a)anthracene	50 U	340	50	1	06/08/22 13:57	6/7/22	
Benzaldehyde	82 U	1700	82	1	06/08/22 13:57	6/7/22	
Benzo(a)pyrene	90 U	340	90	1	06/08/22 13:57	6/7/22	
Benzo(b)fluoranthene	56 U	340	56	1	06/08/22 13:57	6/7/22	
Benzo(g,h,i)perylene	78 U	340	78	1	06/08/22 13:57	6/7/22	
Benzo(k)fluoranthene	55 U	340	55	1	06/08/22 13:57	6/7/22	
Biphenyl	99 U	340	99	1	06/08/22 13:57	6/7/22	
2,2'-Oxybis(1-chloropropane)	69 U	340	69	1	06/08/22 13:57	6/7/22	
Bis(2-chloroethoxy)methane	82 U	340	82	1	06/08/22 13:57	6/7/22	
Bis(2-chloroethyl) Ether	67 U	340	67	1	06/08/22 13:57	6/7/22	
Bis(2-ethylhexyl) Phthalate	62 U	510	62	1	06/08/22 13:57	6/7/22	
Butyl Benzyl Phthalate	41 U	340	41	1	06/08/22 13:57	6/7/22	
Caprolactam	74 U	340	74	1	06/08/22 13:57	6/7/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2206394-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	55 U	340	55	1	06/08/22 13:57	6/7/22	
Chrysene	50 U	340	50	1	06/08/22 13:57	6/7/22	
Di-n-butyl Phthalate	55 U	340	55	1	06/08/22 13:57	6/7/22	
Di-n-octyl Phthalate	120 U	340	120	1	06/08/22 13:57	6/7/22	
Dibenz(a,h)anthracene	73 U	340	73	1	06/08/22 13:57	6/7/22	
Dibenzofuran	62 U	340	62	1	06/08/22 13:57	6/7/22	
Diethyl Phthalate	60 U	340	60	1	06/08/22 13:57	6/7/22	
Dimethyl Phthalate	64 U	340	64	1	06/08/22 13:57	6/7/22	
Fluoranthene	85 U	340	85	1	06/08/22 13:57	6/7/22	
Fluorene	63 U	340	63	1	06/08/22 13:57	6/7/22	
Hexachlorobenzene	81 U	340	81	1	06/08/22 13:57	6/7/22	
Hexachlorobutadiene	120 U	340	120	1	06/08/22 13:57	6/7/22	
Hexachlorocyclopentadiene	110 U	340	110	1	06/08/22 13:57	6/7/22	
Hexachloroethane	63 U	340	63	1	06/08/22 13:57	6/7/22	
Indeno(1,2,3-cd)pyrene	110 U	340	110	1	06/08/22 13:57	6/7/22	
Isophorone	70 U	340	70	1	06/08/22 13:57	6/7/22	
N-Nitrosodi-n-propylamine	110 U	340	110	1	06/08/22 13:57	6/7/22	
N-Nitrosodiphenylamine	210 U	340	210	1	06/08/22 13:57	6/7/22	
Naphthalene	63 U	340	63	1	06/08/22 13:57	6/7/22	
Nitrobenzene	60 U	340	60	1	06/08/22 13:57	6/7/22	
Pentachlorophenol (PCP)	340 U	1700	340	1	06/08/22 13:57	6/7/22	
Phenanthrene	48 U	340	48	1	06/08/22 13:57	6/7/22	
Phenol	68 U	340	68	1	06/08/22 13:57	6/7/22	
Pyrene	56 U	340	56	1	06/08/22 13:57	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	49	15 - 142	06/08/22 13:57	
2-Fluorobiphenyl	37	25 - 114	06/08/22 13:57	
2-Fluorophenol	36	18 - 98	06/08/22 13:57	
Nitrobenzene-d5	36	14 - 104	06/08/22 13:57	
Phenol-d6	36	18 - 103	06/08/22 13:57	
Terphenyl-d14	52	38 - 141	06/08/22 13:57	

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2206596-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	74 U	330	74	1	06/09/22 17:05	6/9/22	
2,3,4,6-Tetrachlorophenol	120 U	330	120	1	06/09/22 17:05	6/9/22	
2,4,5-Trichlorophenol	82 U	330	82	1	06/09/22 17:05	6/9/22	
2,4,6-Trichlorophenol	74 U	330	74	1	06/09/22 17:05	6/9/22	
2,4-Dichlorophenol	64 U	330	64	1	06/09/22 17:05	6/9/22	
2,4-Dimethylphenol	59 U	330	59	1	06/09/22 17:05	6/9/22	
2,4-Dinitrophenol	560 U	1700	560	1	06/09/22 17:05	6/9/22	
2,4-Dinitrotoluene	130 U	330	130	1	06/09/22 17:05	6/9/22	
2,6-Dinitrotoluene	72 U	330	72	1	06/09/22 17:05	6/9/22	
2-Chloronaphthalene	66 U	330	66	1	06/09/22 17:05	6/9/22	
2-Chlorophenol	55 U	330	55	1	06/09/22 17:05	6/9/22	
2-Methylnaphthalene	120 U	330	120	1	06/09/22 17:05	6/9/22	
2-Methylphenol	69 U	330	69	1	06/09/22 17:05	6/9/22	
2-Nitroaniline	78 U	1700	78	1	06/09/22 17:05	6/9/22	
2-Nitrophenol	77 U	330	77	1	06/09/22 17:05	6/9/22	
3,3'-Dichlorobenzidine	37 U	330	37	1	06/09/22 17:05	6/9/22	
3- and 4-Methylphenol Coelution	63 U	330	63	1	06/09/22 17:05	6/9/22	
3-Nitroaniline	67 U	1700	67	1	06/09/22 17:05	6/9/22	
4,6-Dinitro-2-methylphenol	190 U	1700	190	1	06/09/22 17:05	6/9/22	
4-Bromophenyl Phenyl Ether	87 U	330	87	1	06/09/22 17:05	6/9/22	
4-Chloro-3-methylphenol	67 U	330	67	1	06/09/22 17:05	6/9/22	
4-Chloroaniline	56 U	330	56	1	06/09/22 17:05	6/9/22	
4-Chlorophenyl Phenyl Ether	71 U	330	71	1	06/09/22 17:05	6/9/22	
4-Nitroaniline	71 U	1700	71	1	06/09/22 17:05	6/9/22	
4-Nitrophenol	67 U	1700	67	1	06/09/22 17:05	6/9/22	
Acenaphthene	63 U	330	63	1	06/09/22 17:05	6/9/22	
Acenaphthylene	67 U	330	67	1	06/09/22 17:05	6/9/22	
Acetophenone	95 U	330	95	1	06/09/22 17:05	6/9/22	
Anthracene	55 U	330	55	1	06/09/22 17:05	6/9/22	
Atrazine	98 U	330	98	1	06/09/22 17:05	6/9/22	
Benz(a)anthracene	49 U	330	49	1	06/09/22 17:05	6/9/22	
Benzaldehyde	80 U	1700	80	1	06/09/22 17:05	6/9/22	
Benzo(a)pyrene	88 U	330	88	1	06/09/22 17:05	6/9/22	
Benzo(b)fluoranthene	55 U	330	55	1	06/09/22 17:05	6/9/22	
Benzo(g,h,i)perylene	76 U	330	76	1	06/09/22 17:05	6/9/22	
Benzo(k)fluoranthene	54 U	330	54	1	06/09/22 17:05	6/9/22	
Biphenyl	98 U	330	98	1	06/09/22 17:05	6/9/22	
2,2'-Oxybis(1-chloropropane)	68 U	330	68	1	06/09/22 17:05	6/9/22	
Bis(2-chloroethoxy)methane	81 U	330	81	1	06/09/22 17:05	6/9/22	
Bis(2-chloroethyl) Ether	65 U	330	65	1	06/09/22 17:05	6/9/22	
Bis(2-ethylhexyl) Phthalate	61 U	500	61	1	06/09/22 17:05	6/9/22	
Butyl Benzyl Phthalate	40 U	330	40	1	06/09/22 17:05	6/9/22	
Caprolactam	73 U	330	73	1	06/09/22 17:05	6/9/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2206596-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	54 U	330	54	1	06/09/22 17:05	6/9/22	
Chrysene	49 U	330	49	1	06/09/22 17:05	6/9/22	
Di-n-butyl Phthalate	54 U	330	54	1	06/09/22 17:05	6/9/22	
Di-n-octyl Phthalate	120 U	330	120	1	06/09/22 17:05	6/9/22	
Dibenz(a,h)anthracene	72 U	330	72	1	06/09/22 17:05	6/9/22	
Dibenzofuran	60 U	330	60	1	06/09/22 17:05	6/9/22	
Diethyl Phthalate	59 U	330	59	1	06/09/22 17:05	6/9/22	
Dimethyl Phthalate	63 U	330	63	1	06/09/22 17:05	6/9/22	
Fluoranthene	83 U	330	83	1	06/09/22 17:05	6/9/22	
Fluorene	62 U	330	62	1	06/09/22 17:05	6/9/22	
Hexachlorobenzene	79 U	330	79	1	06/09/22 17:05	6/9/22	
Hexachlorobutadiene	120 U	330	120	1	06/09/22 17:05	6/9/22	
Hexachlorocyclopentadiene	110 U	330	110	1	06/09/22 17:05	6/9/22	
Hexachloroethane	62 U	330	62	1	06/09/22 17:05	6/9/22	
Indeno(1,2,3-cd)pyrene	110 U	330	110	1	06/09/22 17:05	6/9/22	
Isophorone	69 U	330	69	1	06/09/22 17:05	6/9/22	
N-Nitrosodi-n-propylamine	110 U	330	110	1	06/09/22 17:05	6/9/22	
N-Nitrosodiphenylamine	210 U	330	210	1	06/09/22 17:05	6/9/22	
Naphthalene	62 U	330	62	1	06/09/22 17:05	6/9/22	
Nitrobenzene	59 U	330	59	1	06/09/22 17:05	6/9/22	
Pentachlorophenol (PCP)	330 U	1700	330	1	06/09/22 17:05	6/9/22	
Phenanthrene	47 U	330	47	1	06/09/22 17:05	6/9/22	
Phenol	67 U	330	67	1	06/09/22 17:05	6/9/22	
Pyrene	55 U	330	55	1	06/09/22 17:05	6/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	56	15 - 142	06/09/22 17:05	
2-Fluorobiphenyl	44	25 - 114	06/09/22 17:05	
2-Fluorophenol	42	18 - 98	06/09/22 17:05	
Nitrobenzene-d5	41	14 - 104	06/09/22 17:05	
Phenol-d6	42	18 - 103	06/09/22 17:05	
Terphenyl-d14	58	38 - 141	06/09/22 17:05	

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205036
Date Analyzed: 06/08/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

	Lab Control Sample				Duplicate Lab Control Sample					
	RQ2206394-02				RQ2206394-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	8270D	1330	3340	40	2080	3360	62	10-174	44*	30
2,3,4,6-Tetrachlorophenol	8270D	1720	3350	51	2620	3380	78	42-127	41*	30
2,4,5-Trichlorophenol	8270D	1520	3350	45	2290	3380	68	33-134	40*	30
2,4,6-Trichlorophenol	8270D	1520	3350	45	2260	3380	67	24-131	39*	30
2,4-Dichlorophenol	8270D	1550	3350	46	2300	3380	68	17-125	39*	30
2,4-Dimethylphenol	8270D	1510	3350	45	2220	3380	66	21-116	38*	30
2,4-Dinitrophenol	8270D	1450 J	3350	43	1770	3380	52	10-80	20	30
2,4-Dinitrotoluene	8270D	1600	3350	48 *	2430	3380	72	55-118	41*	30
2,6-Dinitrotoluene	8270D	1600	3350	48	2420	3380	72	38-136	41*	30
2-Chloronaphthalene	8270D	1450	3350	43	2170	3380	64	27-121	40*	30
2-Chlorophenol	8270D	1440	3350	43	2120	3380	63	20-97	38*	30
2-Methylnaphthalene	8270D	1530	3350	46	2220	3380	66	23-111	37*	30
2-Methylphenol	8270D	1520	3350	45	2250	3380	67	28-105	39*	30
2-Nitroaniline	8270D	1550 J	3350	46	2400	3380	71	40-124	43*	30
2-Nitrophenol	8270D	1490	3350	44	2160	3380	64	15-107	37*	30
3- and 4-Methylphenol Coelution	8270D	1400	3350	42	2070	3380	61	25-112	39*	30
3-Nitroaniline	8270D	1100 J	3350	33 *	1640 J	3380	48	36-112	40*	30
4,6-Dinitro-2-methylphenol	8270D	1210 J	3350	36	1720	3380	51	23-107	35*	30
4-Bromophenyl Phenyl Ether	8270D	1580	3350	47	2340	3380	69	38-138	39*	30
4-Chloro-3-methylphenol	8270D	1500	3350	45	2220	3380	66	25-123	39*	30
4-Chloroaniline	8270D	1050	3350	31	1510	3380	45	30-87	36*	30
4-Chlorophenyl Phenyl Ether	8270D	1510	3350	45	2280	3380	67	41-130	40*	30
4-Nitroaniline	8270D	1420 J	3350	42 *	2150	3380	64	49-119	41*	30
4-Nitrophenol	8270D	1500 J	3350	45	2330	3380	69	33-124	44*	30
Acenaphthene	8270D	1480	3350	44	2200	3380	65	34-121	39*	30
Acenaphthylene	8270D	1640	3350	49	2430	3380	72	39-124	39*	30
Acetophenone	8270D	2580	6700	38	3900	6760	58	20-89	41*	30
Anthracene	8270D	1550	3350	46 *	2280	3380	67	58-119	38*	30
Benz(a)anthracene	8270D	1440	3350	43 *	2160	3380	64	60-114	40*	30
Benzo(a)pyrene	8270D	1800	3350	54 *	2810	3380	83	72-128	44*	30
Benzo(b)fluoranthene	8270D	1440	3350	43 *	2250	3380	67	64-109	44*	30
Benzo(g,h,i)perylene	8270D	1380	3350	41 *	2140	3380	63	59-129	44*	30
Benzo(k)fluoranthene	8270D	1540	3350	46 *	2370	3380	70	70-110	43*	30

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205036
Date Analyzed: 06/08/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2206394-02			RQ2206394-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Biphenyl	8270D	1320	3350	39	2100	3380	62	17-123	46*	30
2,2'-Oxybis(1-chloropropane)	8270D	1440	3350	43	2130	3380	63	22-80	39*	30
Bis(2-chloroethoxy)methane	8270D	1790	3350	54	2610	3380	77	31-112	37*	30
Bis(2-chloroethyl) Ether	8270D	1460	3350	44	2130	3380	63	21-83	38*	30
Bis(2-ethylhexyl) Phthalate	8270D	1620	3350	48 *	2460	3380	73	57-117	41*	30
Butyl Benzyl Phthalate	8270D	1510	3350	45 *	2310	3380	68	60-116	42*	30
Caprolactam	8270D	1460	3350	44	2260	3380	67	10-150	43*	30
Carbazole	8270D	1620	3350	48 *	2440	3380	72	63-129	40*	30
Chrysene	8270D	1420	3350	42 *	2160	3380	64 *	65-114	41*	30
Di-n-butyl Phthalate	8270D	1650	3350	49 *	2530	3380	75	71-126	42*	30
Di-n-octyl Phthalate	8270D	1670	3350	50 *	2620	3380	77	60-115	44*	30
Dibenz(a,h)anthracene	8270D	1260	3350	37 *	1870	3380	55 *	60-128	39*	30
Dibenzofuran	8270D	1490	3350	44	2220	3380	66	38-124	39*	30
Diethyl Phthalate	8270D	1460	3350	44 *	2190	3380	65	51-113	40*	30
Dimethyl Phthalate	8270D	1500	3350	45	2260	3380	67	40-127	40*	30
Fluoranthene	8270D	1540	3350	46 *	2290	3380	68	61-131	39*	30
Fluorene	8270D	1500	3350	45	2280	3380	68	39-128	41*	30
Hexachlorobenzene	8270D	1520	3350	45	2210	3380	66	42-135	37*	30
Hexachlorobutadiene	8270D	1550	3350	46	2220	3380	66	19-96	36*	30
Hexachlorocyclopentadiene	8270D	1790	3350	53	2530	3380	75	10-112	34*	30
Hexachloroethane	8270D	1400	3350	42	2020	3380	60	15-75	36*	30
Indeno(1,2,3-cd)pyrene	8270D	1390	3350	41 *	2160	3380	64	60-123	44*	30
Isophorone	8270D	1700	3350	51	2500	3380	74	27-106	38*	30
N-Nitrosodi-n-propylamine	8270D	1420	3350	42	2130	3380	63	22-99	40*	30
N-Nitrosodiphenylamine	8270D	1680	3350	50 *	2510	3380	74	51-127	39*	30
Naphthalene	8270D	1480	3350	44	2140	3380	63	21-101	37*	30
Nitrobenzene	8270D	1490	3350	45	2180	3380	64	22-98	37*	30
Pentachlorophenol (PCP)	8270D	2010	3350	60	2890	3380	85	46-124	36*	30
Phenanthrene	8270D	1480	3350	44 *	2210	3380	65	56-117	39*	30
Phenol	8270D	1410	3350	42	2100	3380	62	24-102	39*	30
Pyrene	8270D	1550	3350	46 *	2340	3380	69	67-118	40*	30

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205036
Date Analyzed: 06/10/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2206596-02			RQ2206596-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	8270D	2200	3320	66	2300	3320	69	10-174	4	30
2,3,4,6-Tetrachlorophenol	8270D	3120	3330	94	3110	3330	93	42-127	<1	30
2,4,5-Trichlorophenol	8270D	2780	3330	83	2790	3330	84	33-134	<1	30
2,4,6-Trichlorophenol	8270D	2650	3330	80	2700	3330	81	24-131	2	30
2,4-Dichlorophenol	8270D	2580	3330	77	2670	3330	80	17-125	4	30
2,4-Dimethylphenol	8270D	2470	3330	74	2600	3330	78	21-116	5	30
2,4-Dinitrophenol	8270D	1980	3330	59	2030	3330	61	10-80	3	30
2,4-Dinitrotoluene	8270D	2860	3330	86	2930	3330	88	55-118	2	30
2,6-Dinitrotoluene	8270D	2850	3330	86	2860	3330	86	38-136	<1	30
2-Chloronaphthalene	8270D	2370	3330	71	2420	3330	73	27-121	2	30
2-Chlorophenol	8270D	2150	3330	65	2330	3330	70	20-97	8	30
2-Methylnaphthalene	8270D	2320	3330	70	2490	3330	75	23-111	7	30
2-Methylphenol	8270D	2400	3330	72	2590	3330	78	28-105	7	30
2-Nitroaniline	8270D	2790	3330	84	2830	3330	85	40-124	1	30
2-Nitrophenol	8270D	2240	3330	67	2450	3330	73	15-107	9	30
3- and 4-Methylphenol Coelution	8270D	2270	3330	68	2390	3330	72	25-112	5	30
3-Nitroaniline	8270D	1740	3330	52	1890	3330	57	36-112	8	30
4,6-Dinitro-2-methylphenol	8270D	1880	3330	56	2020	3330	61	23-107	7	30
4-Bromophenyl Phenyl Ether	8270D	2720	3330	82	2740	3330	82	38-138	<1	30
4-Chloro-3-methylphenol	8270D	2590	3330	78	2680	3330	80	25-123	3	30
4-Chloroaniline	8270D	1610	3330	48	1970	3330	59	30-87	20	30
4-Chlorophenyl Phenyl Ether	8270D	2620	3330	78	2690	3330	81	41-130	3	30
4-Nitroaniline	8270D	2580	3330	77	2790	3330	84	49-119	8	30
4-Nitrophenol	8270D	2930	3330	88	2880	3330	86	33-124	2	30
Acenaphthene	8270D	2470	3330	74	2530	3330	76	34-121	3	30
Acenaphthylene	8270D	2730	3330	82	2780	3330	83	39-124	2	30
Acetophenone	8270D	3860	6670	58	4210	6670	63	20-89	9	30
Anthracene	8270D	2650	3330	79	2730	3330	82	58-119	3	30
Benz(a)anthracene	8270D	2510	3330	75	2560	3330	77	60-114	2	30
Benzo(a)pyrene	8270D	3250	3330	98	3360	3330	101	72-128	3	30
Benzo(b)fluoranthene	8270D	2650	3330	80	2680	3330	80	64-109	1	30
Benzo(g,h,i)perylene	8270D	2430	3330	73	2440	3330	73	59-129	<1	30
Benzo(k)fluoranthene	8270D	2740	3330	82	2780	3330	83	70-110	1	30

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205036
Date Analyzed: 06/10/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2206596-02			RQ2206596-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Biphenyl	8270D	2330	3330	70	2380	3330	72	17-123	2	30
2,2'-Oxybis(1-chloropropane)	8270D	2030	3330	61	2220	3330	67	22-80	9	30
Bis(2-chloroethoxy)methane	8270D	2710	3330	81	2920	3330	88	31-112	8	30
Bis(2-chloroethyl) Ether	8270D	2020	3330	61	2230	3330	67	21-83	10	30
Bis(2-ethylhexyl) Phthalate	8270D	2740	3330	82	2760	3330	83	57-117	<1	30
Butyl Benzyl Phthalate	8270D	2570	3330	77	2620	3330	79	60-116	2	30
Caprolactam	8270D	2630	3330	79	2720	3330	82	10-150	3	30
Carbazole	8270D	2910	3330	87	2950	3330	88	63-129	1	30
Chrysene	8270D	2530	3330	76	2560	3330	77	65-114	1	30
Di-n-butyl Phthalate	8270D	2930	3330	88	2940	3330	88	71-126	<1	30
Di-n-octyl Phthalate	8270D	2800	3330	84	2900	3330	87	60-115	4	30
Dibenz(a,h)anthracene	8270D	2330	3330	70	2350	3330	71	60-128	1	30
Dibenzofuran	8270D	2550	3330	77	2600	3330	78	38-124	2	30
Diethyl Phthalate	8270D	2510	3330	75	2560	3330	77	51-113	2	30
Dimethyl Phthalate	8270D	2640	3330	79	2660	3330	80	40-127	<1	30
Fluoranthene	8270D	2810	3330	84	2830	3330	85	61-131	<1	30
Fluorene	8270D	2610	3330	78	2670	3330	80	39-128	2	30
Hexachlorobenzene	8270D	2600	3330	78	2660	3330	80	42-135	2	30
Hexachlorobutadiene	8270D	2140	3330	64	2340	3330	70	19-96	9	30
Hexachlorocyclopentadiene	8270D	2400	3330	72	2560	3330	77	10-112	7	30
Hexachloroethane	8270D	1850	3330	55	2010	3330	60	15-75	9	30
Indeno(1,2,3-cd)pyrene	8270D	2520	3330	76	2550	3330	77	60-123	1	30
Isophorone	8270D	2590	3330	78	2750	3330	82	27-106	6	30
N-Nitrosodi-n-propylamine	8270D	2130	3330	64	2310	3330	69	22-99	8	30
N-Nitrosodiphenylamine	8270D	2900	3330	87	2930	3330	88	51-127	1	30
Naphthalene	8270D	2120	3330	64	2320	3330	69	21-101	9	30
Nitrobenzene	8270D	2140	3330	64	2330	3330	70	22-98	8	30
Pentachlorophenol (PCP)	8270D	3390	3330	102	3460	3330	104	46-124	2	30
Phenanthrene	8270D	2590	3330	78	2620	3330	79	56-117	1	30
Phenol	8270D	2190	3330	66	2360	3330	71	24-102	7	30
Pyrene	8270D	2640	3330	79	2660	3330	80	67-118	<1	30

Semivolatile Organic Compounds by GC

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Client: Anchor QEA, LLC **Service Request:** R2205036

Project: John Street/E.10921.03.01

Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A

Extraction Method: EPA 3546

Sample Name	Lab Code	Decachlorobiphenyl 22-128	Tetrachloro-m-xylene 14-119
JSSC-TP03-220601	R2205036-001	81	81
JSSC-TP02-220601	R2205036-002	73	75
JSSC-IDW59-220601	R2205036-003	82	83
JSSC-IDW58-220601	R2205036-004	66	69
Method Blank	RQ2206371-01	77	79
Lab Control Sample	RQ2206371-02	84	82
Duplicate Lab Control Sample	RQ2206371-03	83	82

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2206371-01	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	18 U	34	18	1	06/10/22 04:51	6/7/22	
Aroclor 1221	27 U	68	27	1	06/10/22 04:51	6/7/22	
Aroclor 1232	20 U	34	20	1	06/10/22 04:51	6/7/22	
Aroclor 1242	18 U	34	18	1	06/10/22 04:51	6/7/22	
Aroclor 1248	19 U	34	19	1	06/10/22 04:51	6/7/22	
Aroclor 1254	18 U	34	18	1	06/10/22 04:51	6/7/22	
Aroclor 1260	18 U	34	18	1	06/10/22 04:51	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	77	22 - 128	06/10/22 04:51	
Tetrachloro-m-xylene	79	14 - 119	06/10/22 04:51	

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205036
Date Analyzed: 06/10/22

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Units:ug/Kg
Basis: Dry

			Lab Control Sample		Duplicate Lab Control Sample					
			RQ2206371-02		RQ2206371-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	8082A	127	165	77	130	167	78	41-127	2	30
Aroclor 1260	8082A	127	165	77	129	167	77	49-135	1	30

Metals

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Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project:	John Street/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	Dry
Lab Code:	R2205036-MB		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	12	U	mg/Kg	20	12	1	06/07/22 20:21	06/07/22	
Antimony, Total	6010C	0.6	U	mg/Kg	6.0	0.6	1	06/07/22 20:21	06/07/22	
Arsenic, Total	6010C	0.7	U	mg/Kg	1.0	0.7	1	06/07/22 20:21	06/07/22	
Barium, Total	6010C	1.5	U	mg/Kg	2.0	1.5	1	06/07/22 20:21	06/07/22	
Beryllium, Total	6010C	0.03	U	mg/Kg	0.30	0.03	1	06/07/22 20:21	06/07/22	
Cadmium, Total	6010C	0.09	U	mg/Kg	0.50	0.09	1	06/07/22 20:21	06/07/22	
Calcium, Total	6010C	40	U	mg/Kg	100	40	1	06/07/22 20:21	06/07/22	
Chromium, Total	6010C	0.4	U	mg/Kg	1.0	0.4	1	06/07/22 20:21	06/07/22	
Cobalt, Total	6010C	0.09	U	mg/Kg	5.0	0.09	1	06/07/22 20:21	06/07/22	
Copper, Total	6010C	0.2	U	mg/Kg	2.0	0.2	1	06/07/22 20:21	06/07/22	
Iron, Total	6010C	13	U	mg/Kg	20	13	1	06/07/22 20:21	06/07/22	
Lead, Total	6010C	0.4	U	mg/Kg	5.0	0.4	1	06/07/22 20:21	06/07/22	
Magnesium, Total	6010C	20	U	mg/Kg	100	20	1	06/07/22 20:21	06/07/22	
Manganese, Total	6010C	0.2	U	mg/Kg	2.0	0.2	1	06/07/22 20:21	06/07/22	
Mercury, Total	7471B	**0.025**	**J**	mg/Kg	0.050	0.020	1	06/09/22 12:56	06/09/22	
Nickel, Total	6010C	0.7	U	mg/Kg	4.0	0.7	1	06/07/22 20:21	06/07/22	
Potassium, Total	6010C	50	U	mg/Kg	200	50	1	06/07/22 20:21	06/07/22	
Selenium, Total	6010C	0.6	U	mg/Kg	1.0	0.6	1	06/07/22 20:21	06/07/22	
Silver, Total	6010C	0.09	U	mg/Kg	1.0	0.09	1	06/07/22 20:21	06/07/22	
Sodium, Total	6010C	20	U	mg/Kg	100	20	1	06/07/22 20:21	06/07/22	
Thallium, Total	6010C	0.7	U	mg/Kg	1.0	0.7	1	06/07/22 20:21	06/07/22	
Vanadium, Total	6010C	0.07	U	mg/Kg	5.0	0.07	1	06/07/22 20:21	06/07/22	
Zinc, Total	6010C	1.4	U	mg/Kg	2.0	1.4	1	06/07/22 20:21	06/07/22	

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205036
Date Analyzed: 06/07/22 - 06/09/22

Lab Control Sample Summary
Inorganic Parameters

Units:mg/Kg
Basis: Dry

Lab Control Sample
R2205036-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Aluminum, Total	6010C	200	200	100	80-120
Antimony, Total	6010C	47.8	50.0	96	80-120
Arsenic, Total	6010C	3.79	4.0	95	80-120
Barium, Total	6010C	207	200	104	80-120
Beryllium, Total	6010C	4.77	5.00	95	80-120
Cadmium, Total	6010C	5.10	5.00	102	80-120
Calcium, Total	6010C	207	200	104	80-120
Chromium, Total	6010C	20.7	20.0	103	80-120
Cobalt, Total	6010C	50.6	50.0	101	80-120
Copper, Total	6010C	25.2	25.0	101	80-120
Iron, Total	6010C	102	100	102	80-120
Lead, Total	6010C	50.4	50.0	101	80-120
Magnesium, Total	6010C	206	200	103	80-120
Manganese, Total	6010C	50.5	50.0	101	80-120
Mercury, Total	7471B	0.315	0.250	126 *	80-120
Nickel, Total	6010C	51.6	50.0	103	80-120
Potassium, Total	6010C	1950	2000	98	80-120
Selenium, Total	6010C	88.8	101	88	80-120
Silver, Total	6010C	4.86	5.0	97	80-120
Sodium, Total	6010C	2080	2000	104	80-120
Thallium, Total	6010C	184	200	92	80-120
Vanadium, Total	6010C	50.6	50.0	101	80-120
Zinc, Total	6010C	50.4	50.0	101	80-120

General Chemistry

ALS Environmental—Rochester Laboratory
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Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project	John Street/E.10921.03.01	**Date Collected:**	06/01/22
Sample Matrix:	Soil	**Date Received:**	06/03/22
		Date Analyzed:	06/06/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	JSSC-TP02-220601	**Units:**	Percent
Lab Code:	R2205036-002	**Basis:**	As Received

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R2205036-002DUP Result	Average	RPD	RPD Limit
Total Solids	ALS SOP	-	94.3	94.8	94.5	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205036
Project	John Street/E.10921.03.01	**Date Collected:**	06/01/22
Sample Matrix:	Soil	**Date Received:**	06/03/22
		Date Analyzed:	06/06/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	JSSC-IDW59-220601	**Units:**	pH Units
Lab Code:	R2205036-003	**Basis:**	As Received

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R2205036-003DUP Result	Average	RPD	RPD Limit
pH	9045D	-	8.89	8.90	8.90	<1	0.10

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Subcontracted Analytical Parameters

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NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

Analytical Results Report For **ALS Environmental-Rochester**

Project R2205036
Workorder 3246503
Report ID 175152 on 6/15/2022

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Jun 07, 2022.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Sarah Leung (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
Reports Invoices - ALS Environmental
Janice Jaeger - ALS Environmental-Rochester NY
Nicole Mansen - ALS Environmental-Rochester

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Sarah Leung

Sarah Leung *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3246503001	R2205036-003	Solid	06/01/2022 00:00	06/07/2022 08:49	CBC	Collected By Client
3246503002	R2205036-004	Solid	06/01/2022 00:00	06/07/2022 08:49	CBC	Collected By Client

Reference

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136.
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.

Project Notations

Sample Notations

Lab ID	Sample ID

Result Notations

Notation Ref.	
1	According to Pa/USEPA regulations, this sample is not considered to be ignitable. (Ref 40 CFR 261.21)
2	The QC sample type DUP for method S2540G-11 was outside the control limits for the analyte Moisture. The RPD was reported as 17.6 and the upper control limit is 10.
3	Analyte was analyzed past the 7 day holding time.

Detected Results Summary

Client Sample ID	R2205036-003	Collected	06/01/2022 00:00
Lab Sample ID	3246503001	Lab Receipt	06/07/2022 08:49

Compound	Result	Units	RDL	MDL	Method	Flag
WET CHEMISTRY						
Moisture	3.1	%	0.1	0.01	S2540G-11	#
Total Solids	96.9	%	0.1	0.01	S2540G-11	#

Detected Results Summary

Client Sample ID	R2205036-004	Collected	06/01/2022 00:00
Lab Sample ID	3246503002	Lab Receipt	06/07/2022 08:49

Compound	Result	Units	RDL	MDL	Method	Flag
WET CHEMISTRY						
Moisture	7.2	%	0.1	0.01	S2540G-11	#
Sulfide, Reactive	4.0J	mg/kg	6.2	1.4	SW846 7.3	#
Total Solids	92.8	%	0.1	0.01	S2540G-11	#

Results

Client Sample ID	R2205036-003	Collected	06/01/2022 00:00
Lab Sample ID	3246503001	Lab Receipt	06/07/2022 08:49

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Cyanide, Reactive	ND	ND	mg/kg	10.0	0.011	SW-846 7.3CN	1	06/10/2022 14:21	MXF	A
Ignitability	Not Ignitable	1				SW846 1030	1	06/10/2022 16:40	JXK	A
Moisture	3.1	2	%	0.1	0.01	S2540G-11	1	06/10/2022 11:08	WDA	
Sulfide, Reactive	ND	ND	mg/kg	6.3	1.4	SW846 7.3	1	06/10/2022 10:30	AKH	A
Total Solids	96.9	3	%	0.1	0.01	S2540G-11	1	06/10/2022 11:08	WDA	

Results

Client Sample ID	R2205036-004	Collected	06/01/2022 00:00
Lab Sample ID	3246503002	Lab Receipt	06/07/2022 08:49

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Cyanide, Reactive	ND	ND	mg/kg	10	0.011	SW-846 7.3CN	1	06/10/2022 14:21	MXF	A
Ignitability	Not Ignitable	1				SW846 1030	1	06/10/2022 16:40	JXK	A
Moisture	7.2		%	0.1	0.01	S2540G-11	1	06/13/2022 06:51	WDA	
Sulfide, Reactive	4.0J	J	mg/kg	6.2	1.4	SW846 7.3	1	06/10/2022 10:30	AKH	A
Total Solids	92.8	3	%	0.1	0.01	S2540G-11	1	06/13/2022 06:51	WDA	

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3246503001	R2205036-003	S2540G-11	N/A	
		SW846 1030	N/A	
		SW846 7.3	SW846 7.3	
		SW-846 7.3CN	SW-846 7.3CN	
3246503002	R2205036-004	S2540G-11	N/A	
		SW846 1030	N/A	
		SW846 7.3	SW846 7.3	
		SW-846 7.3CN	SW-846 7.3CN	

QUALITY CONTROL SAMPLES

WET CHEMISTRY

QC Batch

QC Batch	855320	Prep Method	SW-846 7.3CN
Date	06/10/2022 07:39	Analysis Method	SW-846 7.3CN
Tech.	AKH		

Associated Samples

3246503001 3246503002

Duplicate 3513370 (DUP) 3246494002 (non-Project Sample) For QC Batch 855320

****NOTE - The Original Result and Duplicate Result shown below are raw results and are only used for the purpose of calculating Sample Duplicate percent recoveries. This result is not a final value and cannot be used as such.

RESULTS

Compound	CAS No		Result (mg/kg)	Orig. Result (mg/kg)				Qualifiers
Cyanide, Reactive	CNREACT	DUP	0	0	RPD	0	(Max-20)	ND

Method Blank 3513364 (MB) Created on 06/09/2022 10:03 For QC Batch 855320

RESULTS

Compound	CAS No		Result	Units	RDL	Qualifiers
Cyanide, Reactive	CNREACT	BLK	ND	mg/kg	10.0	ND

Lab Control Standard 3513365 (LCS) Created on 06/09/2022 10:03 For QC Batch 855320

RESULTS

Compound	CAS No		Result (mg/kg)	Orig. Result (mg/kg)	Spk Added (mg/kg)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
Cyanide, Reactive	CNREACT	LCS	1.60		5	32.5	0 - 92		J

QC Batch

QC Batch	855321	Prep Method	SW846 7.3
Date	06/10/2022 07:39	Analysis Method	SW846 7.3
Tech.	AKH		

Associated Samples

3246503001 3246503002

Duplicate 3513369 (DUP) 3246494002 (non-Project Sample) For QC Batch 855321

****NOTE - The Original Result and Duplicate Result shown below are raw results and are only used for the purpose of calculating Sample Duplicate percent recoveries. This result is not a final value and cannot be used as such.

RESULTS

Compound	CAS No		Result (mg/kg)	Orig. Result (mg/kg)				Qualifiers
Sulfide, Reactive	SO2REACT	DUP	0.7980	2.3940	RPD	100*	(Max-20)	ND

QUALITY CONTROL SAMPLES

WET CHEMISTRY (cont.)

Method Blank 3513367 (MB) Created on 06/09/2022 10:06 For QC Batch 855321

RESULTS

Compound	CAS No		Result	Units	RDL	Qualifiers
Sulfide, Reactive	SO2REACT	BLK	1.6J	mg/kg	6.3	J

Lab Control Standard 3513368 (LCS) Created on 06/09/2022 10:06 For QC Batch 855321

RESULTS

Compound	CAS No		Result (mg/kg)	Orig. Result (mg/kg)	Spk Added (mg/kg)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
Sulfide, Reactive	SO2REACT	LCS	293		284	103	49 - 148		

QC Batch

QC Batch	855832	Prep Method	N/A
Date	N/A	Analysis Method	S2540G-11
Tech.			

Associated Samples

3246503001

Duplicate 3514139 (DUP) 3246131002 (non-Project Sample) For QC Batch 855832

****NOTE - The Original Result and Duplicate Result shown below are raw results and are only used for the purpose of calculating Sample Duplicate percent recoveries. This result is not a final value and cannot be used as such.

RESULTS

Compound	CAS No		Result (%)	Orig. Result (%)				Qualifiers
Moisture	MOISTURE	DUP	17.4355	17.3505	RPD	0.49	(Max-10)	
Total Solids	TSP	DUP	82.5644	82.6494	RPD	0.10	(Max-5)	

Duplicate 3514140 (DUP) 3246131012 (non-Project Sample) For QC Batch 855832

****NOTE - The Original Result and Duplicate Result shown below are raw results and are only used for the purpose of calculating Sample Duplicate percent recoveries. This result is not a final value and cannot be used as such.

RESULTS

Compound	CAS No		Result (%)	Orig. Result (%)				Qualifiers
Moisture	MOISTURE	DUP	21.9252	20.8590	RPD	4.98	(Max-10)	
Total Solids	TSP	DUP	78.0747	79.1409	RPD	1.36	(Max-5)	

QUALITY CONTROL SAMPLES

WET CHEMISTRY (cont.)

Duplicate 3514141 (DUP) 3246348002 (non-Project Sample) For QC Batch 855832

****NOTE - The Original Result and Duplicate Result shown below are raw results and are only used for the purpose of calculating Sample Duplicate percent recoveries. This result is not a final value and cannot be used as such.

RESULTS

Compound	CAS No		Result (%)	Orig. Result (%)			Qualifiers
Moisture	MOISTURE	DUP	11.2671	10.1407	RPD	10.50* (Max-10)	
Total Solids	TSP	DUP	88.7328	89.8592	RPD	1.26 (Max-5)	

Duplicate 3514143 (DUP) 3247168001 (non-Project Sample) For QC Batch 855832

****NOTE - The Original Result and Duplicate Result shown below are raw results and are only used for the purpose of calculating Sample Duplicate percent recoveries. This result is not a final value and cannot be used as such.

RESULTS

Compound	CAS No		Result (%)	Orig. Result (%)			Qualifiers
Moisture	MOISTURE	DUP	9.2494	8.7822	RPD	5.18 (Max-10)	
Total Solids	TSP	DUP	90.7505	91.2177	RPD	0.51 (Max-5)	

Duplicate 3514144 (DUP) 3247213001 (non-Project Sample) For QC Batch 855832

****NOTE - The Original Result and Duplicate Result shown below are raw results and are only used for the purpose of calculating Sample Duplicate percent recoveries. This result is not a final value and cannot be used as such.

RESULTS

Compound	CAS No		Result (%)	Orig. Result (%)			Qualifiers
Moisture	MOISTURE	DUP	14.7416	13.5098	RPD	8.72 (Max-10)	
Total Solids	TSP	DUP	85.2583	86.4901	RPD	1.43 (Max-5)	

Duplicate 3514145 (DUP) 3247218006 (non-Project Sample) For QC Batch 855832

****NOTE - The Original Result and Duplicate Result shown below are raw results and are only used for the purpose of calculating Sample Duplicate percent recoveries. This result is not a final value and cannot be used as such.

RESULTS

Compound	CAS No		Result (%)	Orig. Result (%)			Qualifiers
Moisture	MOISTURE	DUP	19.30	25.1408	RPD	26.30* (Max-10)	
Total Solids	TSP	DUP	80.6999	74.8591	RPD	7.51* (Max-5)	

QUALITY CONTROL SAMPLES

WET CHEMISTRY (cont.)

Duplicate 3514142 (DUP) 3246503001 For QC Batch 855832

****NOTE - The Original Result and Duplicate Result shown below are raw results and are only used for the purpose of calculating Sample Duplicate percent recoveries. This result is not a final value and cannot be used as such.

RESULTS

Compound	CAS No		Result (%)	Orig. Result (%)		Qualifiers
Moisture	MOISTURE	DUP	3.7093	3.1102	RPD 17.60* (Max-10)	
Total Solids	TSP	DUP	96.2906	96.8897	RPD 0.62 (Max-5)	

QC Batch

QC Batch	856389	Prep Method	N/A
Date	N/A	Analysis Method	S2540G-11
Tech.			

Associated Samples

3246503002

Duplicate 3514834 (DUP) 3246268001 (non-Project Sample) For QC Batch 856389

****NOTE - The Original Result and Duplicate Result shown below are raw results and are only used for the purpose of calculating Sample Duplicate percent recoveries. This result is not a final value and cannot be used as such.

RESULTS

Compound	CAS No		Result (%)	Orig. Result (%)		Qualifiers
Moisture	MOISTURE	DUP	9.2360	7.5168	RPD 20.50* (Max-10)	
Total Solids	TSP	DUP	90.7639	92.4831	RPD 1.88 (Max-5)	

Duplicate 3514835 (DUP) 3246461003 (non-Project Sample) For QC Batch 856389

****NOTE - The Original Result and Duplicate Result shown below are raw results and are only used for the purpose of calculating Sample Duplicate percent recoveries. This result is not a final value and cannot be used as such.

RESULTS

Compound	CAS No		Result (%)	Orig. Result (%)		Qualifiers
Moisture	MOISTURE	DUP	6.7611	6.5019	RPD 3.91 (Max-10)	
Total Solids	TSP	DUP	93.2388	93.4980	RPD 0.28 (Max-5)	

Duplicate 3514836 (DUP) 3246631001 (non-Project Sample) For QC Batch 856389

****NOTE - The Original Result and Duplicate Result shown below are raw results and are only used for the purpose of calculating Sample Duplicate percent recoveries. This result is not a final value and cannot be used as such.

QUALITY CONTROL SAMPLES

WET CHEMISTRY (cont.)

RESULTS

Compound	CAS No		Result (%)	Orig. Result (%)			Qualifiers
Moisture	MOISTURE	DUP	78.4862	78.7749	RPD	0.37 (Max-10)	
Total Solids	TSP	DUP	21.5137	21.2250	RPD	1.35 (Max-5)	

Duplicate 3514837 (DUP) 3246782003 (non-Project Sample) For QC Batch 856389

****NOTE - The Original Result and Duplicate Result shown below are raw results and are only used for the purpose of calculating Sample Duplicate percent recoveries. This result is not a final value and cannot be used as such.

RESULTS

Compound	CAS No		Result (%)	Orig. Result (%)			Qualifiers
Moisture	MOISTURE	DUP	15.7268	15.3865	RPD	2.19 (Max-10)	
Total Solids	TSP	DUP	84.2731	84.6134	RPD	0.40 (Max-5)	

Duplicate 3514838 (DUP) 3246940001 (non-Project Sample) For QC Batch 856389

****NOTE - The Original Result and Duplicate Result shown below are raw results and are only used for the purpose of calculating Sample Duplicate percent recoveries. This result is not a final value and cannot be used as such.

RESULTS

Compound	CAS No		Result (%)	Orig. Result (%)			Qualifiers
Moisture	MOISTURE	DUP	92.0646	92.7545	RPD	0.75 (Max-10)	
Total Solids	TSP	DUP	7.9353	7.2454	RPD	9.09* (Max-5)	

Duplicate 3514839 (DUP) 3247081002 (non-Project Sample) For QC Batch 856389

****NOTE - The Original Result and Duplicate Result shown below are raw results and are only used for the purpose of calculating Sample Duplicate percent recoveries. This result is not a final value and cannot be used as such.

RESULTS

Compound	CAS No		Result (%)	Orig. Result (%)			Qualifiers
Moisture	MOISTURE	DUP	6.37	7.2076	RPD	12.30* (Max-10)	
Total Solids	TSP	DUP	93.6299	92.7923	RPD	0.90 (Max-5)	

Duplicate 3514840 (DUP) 3247301001 (non-Project Sample) For QC Batch 856389

****NOTE - The Original Result and Duplicate Result shown below are raw results and are only used for the purpose of calculating Sample Duplicate percent recoveries. This result is not a final value and cannot be used as such.

QUALITY CONTROL SAMPLES

WET CHEMISTRY (cont.)

RESULTS

Compound	CAS No		Result (%)	Orig. Result (%)				Qualifiers
Moisture	MOISTURE	DUP	66.5894	67.9947	RPD	2.09	(Max-10)	
Total Solids	TSP	DUP	33.4105	32.0052	RPD	4.30	(Max-5)	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3246503001	R2205036-003	N/A	N/A	N/A		S2540G-11	855832
		N/A	N/A	N/A		SW846 1030	855861
		SW846 7.3	855321	06/10/2022 07:39	AKH	SW846 7.3	855803
		SW-846 7.3CN	855320	06/10/2022 07:39	AKH	SW-846 7.3CN	855855
3246503002	R2205036-004	N/A	N/A	N/A		S2540G-11	856389
		N/A	N/A	N/A		SW846 1030	855861
		SW846 7.3	855321	06/10/2022 07:39	AKH	SW846 7.3	855803
		SW-846 7.3CN	855320	06/10/2022 07:39	AKH	SW-846 7.3CN	855855

ALS Environmental Chain of Custody

1565 Jefferson Rd, Building 300 • Rochester, NY 14623 • 585-288-5380 • FAX 585-288-8475

ALS Contact: Meghan Pedro

6/15/2022 10:40 AM

Project Number: R2205036
Project Manager: Meghan Pedro
QAP: LAB QAP

3246503
Logged By: KSB
PM: SSL

Lab Code	Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Lab ID	CN React 9014	Ignitability 1030	Sulfide React 9034 Modified
~~R2205036-003~~	JSSC-IDW59-220601	1	Soil	6/1/22		Middletown ALS	X	X	X
~~R2205036-004~~	JSSC-IDW58-220601	1	Soil	6/1/22		Middletown ALS	X	X	X

Temp Taken By: DD
WO Temp (°C): 4.0
Therm ID: 574
Receipt Info Completed By: DD
Cooler Custody Seal Intact: Y N NA
Sample Custody Seal Intact: Y N NA
Received on Ice: Y N NA
Cooler & Samples Intact: Y N
Correct Containers Provided: Y N
Sample Label/COC Agree: Y N
Adequate Sample Volumes: Y N
VOA Headspace Present: Y N NA
Voa Trip Blank: Y N NA
NJ≤ 4 Days?: Y N
Rad Screen (uCi)
Courier/Tracking #: FEDEX 9889 5101 1017
SDWA Compliance: Y N
PWSID
WV Containers 0-6°C: Y N NA
9889 5101 1028

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Special Instructions/Comments

H - Test is On Hold P - Test is Authorized for Prep Only

Turnaround Requirements

____ **RUSH** (Surcharges Apply)

PLEASE CIRCLE WORK DAYS

1 2 3 4 5

X **STANDARD**

Requested FAX Date: ____

Requested Report Date: 06/17/22

Report Requirements

____ I. Results Only

X II. Results + QC Summaries

____ III. Results + QC and Calibration Summaries

X IV. Data Validation Report with Raw Data

PQL/MDL/J: N
EDD: Y
EQuIS EF WEDD Anchor QAP

Invoice Information

PO# 58R2205036

Bill to

Relinquished By: 6/6/22 1330
FEDEX

Received By: FEDEX
Dave Dutcher ALS 6/7/22 08:49

Airbill Number:

17 of 18

R2205036

3246503 pg2

____ **Ship To: Middletown ALS**
ALS Environmental - Middletown
301 Fulling Mill Rd.
Middletown, PA 17057

PC	MP	Date	6/6/22
SMO	ME	Date	6/6/22

Instructions:		**Shipping:**	
Ice	X	Overnight	X
Dry Ice		2nd Day	
No Ice		Ground	

Bill to Client Account _____

Comments:

June 14, 2022 Service Request No:R2205037

Jennifer Marsalla
Anchor QEA, LLC
1201 Third Avenue
Suite 2600
Seattle, WA 98101

Laboratory Results for: John Street

Dear Jennifer,

Enclosed are the results of the sample(s) submitted to our laboratory June 03, 2022
For your reference, these analyses have been assigned our service request number **R2205037.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7475. You may also contact me via email at Meghan.Pedro@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Meghan Pedro
Project Manager

CC: Labdata

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Anchor QEA, LLC
Project: John Street
Sample Matrix: Soil

Service Request: R2205037
Date Received: 06/03/2022

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Ten soil samples were received for analysis at ALS Environmental on 06/03/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:

Method 8270D, 06/08/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8270D, 06/08/2022, 766833: The recovery of one or more internal standards in the method blank (MB) was outside control limits due to an error spiking internal standard. There were no hits in the MB and internal standard recoveries were within limits in all samples and other QC. No further corrective action was appropriate.

Method 8270D, 06/08/2022: The lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte. There were no detections of the analyte(s) in the associated field samples. The discrepancy associated with reduced recovery equates to a potential low bias. The analytes affected are flagged in the LCS Summary.

Method 8270D, 06/09/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8270D, 767204, R2205037-010: The control limits were exceeded for one or more surrogates. Sample was originally re-extracted due to QC failure. Surrogate recoveries passed limits in original extraction. Results from both extractions match. Original result reported. A second reanalysis was not performed because insufficient sample was available.

Semivoa GC:

No significant anomalies were noted with this analysis.

Metals:

No significant anomalies were noted with this analysis.

General Chemistry:

No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

Method 8260C, 06/09/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 06/09/2022: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the

Approved by Meghan Pedro Date 06/14/2022

quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Approved by _____ Date 06/14/2022

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: SB2-5-6-220602			Lab ID: R2205037-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	96.0				Percent	ALS SOP
Aluminum, Total	4140		12	20	mg/Kg	6010C
Arsenic, Total	11.2		0.70	0.98	mg/Kg	6010C
Barium, Total	51.9		1.5	2.0	mg/Kg	6010C
Beryllium, Total	0.33		0.03	0.29	mg/Kg	6010C
Cadmium, Total	0.31	J	0.09	0.49	mg/Kg	6010C
Calcium, Total	5090		32	98	mg/Kg	6010C
Chromium, Total	12.9		0.35	0.98	mg/Kg	6010C
Cobalt, Total	5.7		0.09	4.9	mg/Kg	6010C
Copper, Total	19.4		0.2	2.0	mg/Kg	6010C
Iron, Total	19200		130	200	mg/Kg	6010C
Lead, Total	23.3		0.4	4.9	mg/Kg	6010C
Magnesium, Total	4740		13	98	mg/Kg	6010C
Manganese, Total	381		0.2	2.0	mg/Kg	6010C
Mercury, Total	14.9		0.21	0.52	mg/Kg	7471B
Nickel, Total	40.2		0.7	3.9	mg/Kg	6010C
Potassium, Total	1320		50	200	mg/Kg	6010C
Sodium, Total	112		19	98	mg/Kg	6010C
Vanadium, Total	21.7		0.07	4.9	mg/Kg	6010C
Zinc, Total	38.0		1.4	2.0	mg/Kg	6010C

CLIENT ID: SB2-6-7-220602			Lab ID: R2205037-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	95.9				Percent	ALS SOP
Aluminum, Total	3930		12	20	mg/Kg	6010C
Arsenic, Total	2.30		0.70	0.98	mg/Kg	6010C
Barium, Total	41.4		1.5	2.0	mg/Kg	6010C
Beryllium, Total	0.23	J	0.03	0.30	mg/Kg	6010C
Cadmium, Total	0.19	J	0.09	0.49	mg/Kg	6010C
Calcium, Total	10400		32	98	mg/Kg	6010C
Chromium, Total	12.1		0.35	0.98	mg/Kg	6010C
Cobalt, Total	5.1		0.09	4.9	mg/Kg	6010C
Copper, Total	16.9		0.2	2.0	mg/Kg	6010C
Iron, Total	12100		130	200	mg/Kg	6010C
Lead, Total	11.1		0.4	4.9	mg/Kg	6010C
Magnesium, Total	3530		13	98	mg/Kg	6010C
Manganese, Total	262		0.2	2.0	mg/Kg	6010C
Mercury, Total	6.71		0.20	0.49	mg/Kg	7471B
Nickel, Total	16.8		0.7	3.9	mg/Kg	6010C
Potassium, Total	1240		50	200	mg/Kg	6010C
Sodium, Total	112		19	98	mg/Kg	6010C

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: SB2-6-7-220602			Lab ID: R2205037-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Vanadium, Total	20.9		0.07	4.9	mg/Kg	6010C
Zinc, Total	27.7		1.4	2.0	mg/Kg	6010C

CLIENT ID: SB2-7-8-220602			Lab ID: R2205037-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	96.2				Percent	ALS SOP
Aluminum, Total	4250		12	19	mg/Kg	6010C
Arsenic, Total	3.35		0.70	0.95	mg/Kg	6010C
Barium, Total	43.1		1.5	1.9	mg/Kg	6010C
Beryllium, Total	0.32		0.03	0.28	mg/Kg	6010C
Cadmium, Total	0.23	J	0.09	0.47	mg/Kg	6010C
Calcium, Total	5580		32	95	mg/Kg	6010C
Chromium, Total	13.0		0.35	0.95	mg/Kg	6010C
Cobalt, Total	5.3		0.09	4.7	mg/Kg	6010C
Copper, Total	20.5		0.2	1.9	mg/Kg	6010C
Iron, Total	14600		130	190	mg/Kg	6010C
Lead, Total	23.7		0.4	4.7	mg/Kg	6010C
Magnesium, Total	3410		13	95	mg/Kg	6010C
Manganese, Total	250		0.2	1.9	mg/Kg	6010C
Mercury, Total	10.6		0.21	0.51	mg/Kg	7471B
Nickel, Total	21.1		0.7	3.8	mg/Kg	6010C
Potassium, Total	1130		50	190	mg/Kg	6010C
Sodium, Total	141		19	95	mg/Kg	6010C
Vanadium, Total	24.9		0.07	4.7	mg/Kg	6010C
Zinc, Total	31.7		1.4	1.9	mg/Kg	6010C
Di-n-butyl Phthalate	92	J	56	350	ug/Kg	8270D

CLIENT ID: SB2-8-9-220602			Lab ID: R2205037-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	96.7				Percent	ALS SOP
Aluminum, Total	4010		13	20	mg/Kg	6010C
Arsenic, Total	2.4		0.8	1.0	mg/Kg	6010C
Barium, Total	36.7		1.6	2.0	mg/Kg	6010C
Beryllium, Total	0.22	J	0.03	0.30	mg/Kg	6010C
Cadmium, Total	0.17	J	0.09	0.51	mg/Kg	6010C
Calcium, Total	3640		40	100	mg/Kg	6010C
Chromium, Total	14.8		0.4	1.0	mg/Kg	6010C
Cobalt, Total	5.5		0.09	5.1	mg/Kg	6010C
Copper, Total	18.9		0.2	2.0	mg/Kg	6010C
Iron, Total	12500		140	200	mg/Kg	6010C
Lead, Total	12.0		0.5	5.1	mg/Kg	6010C

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: SB2-8-9-220602			Lab ID: R2205037-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Magnesium, Total	3860		20	100	mg/Kg	6010C
Manganese, Total	223		0.2	2.0	mg/Kg	6010C
Mercury, Total	6.77		0.20	0.49	mg/Kg	7471B
Nickel, Total	23.3		0.7	4.1	mg/Kg	6010C
Potassium, Total	970		60	200	mg/Kg	6010C
Sodium, Total	110		20	100	mg/Kg	6010C
Vanadium, Total	17.9		0.07	5.1	mg/Kg	6010C
Zinc, Total	31.6		1.5	2.0	mg/Kg	6010C
Acetone	19	J	15	25	ug/Kg	8260C

CLIENT ID: SB2-9-10-220602			Lab ID: R2205037-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	96.1				Percent	ALS SOP
Aluminum, Total	3450		12	20	mg/Kg	6010C
Arsenic, Total	2.08		0.70	0.98	mg/Kg	6010C
Barium, Total	37.4		1.5	2.0	mg/Kg	6010C
Beryllium, Total	0.23	J	0.03	0.29	mg/Kg	6010C
Cadmium, Total	0.23	J	0.09	0.49	mg/Kg	6010C
Calcium, Total	4570		32	98	mg/Kg	6010C
Chromium, Total	9.89		0.35	0.98	mg/Kg	6010C
Cobalt, Total	7.9		0.09	4.9	mg/Kg	6010C
Copper, Total	23.5		0.2	2.0	mg/Kg	6010C
Iron, Total	11800		130	200	mg/Kg	6010C
Lead, Total	11.4		0.4	4.9	mg/Kg	6010C
Magnesium, Total	2660		13	98	mg/Kg	6010C
Manganese, Total	229		0.2	2.0	mg/Kg	6010C
Mercury, Total	5.68		0.17	0.43	mg/Kg	7471B
Nickel, Total	16.6		0.7	3.9	mg/Kg	6010C
Potassium, Total	910		50	200	mg/Kg	6010C
Sodium, Total	151		19	98	mg/Kg	6010C
Vanadium, Total	18.6		0.07	4.9	mg/Kg	6010C
Zinc, Total	29.9		1.4	2.0	mg/Kg	6010C
Di-n-butyl Phthalate	76	J	57	350	ug/Kg	8270D

CLIENT ID: SB2-FD-220602			Lab ID: R2205037-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	95.5				Percent	ALS SOP
Aluminum, Total	3570		13	21	mg/Kg	6010C
Arsenic, Total	1.9		0.8	1.0	mg/Kg	6010C
Barium, Total	29.3		1.6	2.1	mg/Kg	6010C
Beryllium, Total	0.28	J	0.03	0.31	mg/Kg	6010C

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: SB2-FD-220602			Lab ID: R2205037-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Cadmium, Total	0.17	J	0.09	0.51	mg/Kg	6010C
Calcium, Total	5310		40	100	mg/Kg	6010C
Chromium, Total	13.0		0.4	1.0	mg/Kg	6010C
Cobalt, Total	4.3	J	0.09	5.1	mg/Kg	6010C
Copper, Total	15.8		0.2	2.1	mg/Kg	6010C
Iron, Total	12100		140	210	mg/Kg	6010C
Lead, Total	8.6		0.5	5.1	mg/Kg	6010C
Magnesium, Total	5020		20	100	mg/Kg	6010C
Manganese, Total	194		0.2	2.1	mg/Kg	6010C
Mercury, Total	7.88		0.17	0.41	mg/Kg	7471B
Nickel, Total	28.6		0.7	4.1	mg/Kg	6010C
Potassium, Total	770		60	210	mg/Kg	6010C
Sodium, Total	120		20	100	mg/Kg	6010C
Vanadium, Total	17.0		0.08	5.1	mg/Kg	6010C
Zinc, Total	29.4		1.5	2.1	mg/Kg	6010C

CLIENT ID: SB5-5-6-220602			Lab ID: R2205037-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	88.9				Percent	ALS SOP
Aluminum, Total	6050		13	21	mg/Kg	6010C
Arsenic, Total	33.7		0.8	1.1	mg/Kg	6010C
Barium, Total	67.8		1.6	2.1	mg/Kg	6010C
Beryllium, Total	0.34		0.04	0.32	mg/Kg	6010C
Cadmium, Total	0.40	J	0.10	0.53	mg/Kg	6010C
Calcium, Total	2840		40	110	mg/Kg	6010C
Chromium, Total	21.4		0.4	1.1	mg/Kg	6010C
Cobalt, Total	7.6		0.09	5.3	mg/Kg	6010C
Copper, Total	25.2		0.2	2.1	mg/Kg	6010C
Iron, Total	17200		140	210	mg/Kg	6010C
Lead, Total	20.6		0.5	5.3	mg/Kg	6010C
Magnesium, Total	3870		20	110	mg/Kg	6010C
Manganese, Total	399		0.2	2.1	mg/Kg	6010C
Mercury, Total	170		2.2	5.6	mg/Kg	7471B
Nickel, Total	24.6		0.8	4.2	mg/Kg	6010C
Potassium, Total	1870		60	210	mg/Kg	6010C
Sodium, Total	110	J	30	110	mg/Kg	6010C
Vanadium, Total	26.3		0.08	5.3	mg/Kg	6010C
Zinc, Total	164		1.5	2.1	mg/Kg	6010C

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: SB5-6-7-220602			Lab ID: R2205037-008			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	90.0				Percent	ALS SOP
Aluminum, Total	6020		13	20	mg/Kg	6010C
Arsenic, Total	14.7		0.8	1.0	mg/Kg	6010C
Barium, Total	59.5		1.6	2.0	mg/Kg	6010C
Beryllium, Total	0.33		0.03	0.30	mg/Kg	6010C
Cadmium, Total	0.48	J	0.09	0.51	mg/Kg	6010C
Calcium, Total	3420		40	100	mg/Kg	6010C
Chromium, Total	19.2		0.4	1.0	mg/Kg	6010C
Cobalt, Total	7.1		0.09	5.1	mg/Kg	6010C
Copper, Total	26.4		0.2	2.0	mg/Kg	6010C
Iron, Total	16900		140	200	mg/Kg	6010C
Lead, Total	25.4		0.5	5.1	mg/Kg	6010C
Magnesium, Total	4130		20	100	mg/Kg	6010C
Manganese, Total	372		0.2	2.0	mg/Kg	6010C
Mercury, Total	353		9	22	mg/Kg	7471B
Nickel, Total	22.0		0.7	4.0	mg/Kg	6010C
Potassium, Total	1980		60	200	mg/Kg	6010C
Sodium, Total	110		20	100	mg/Kg	6010C
Vanadium, Total	27.1		0.07	5.1	mg/Kg	6010C
Zinc, Total	146		1.5	2.0	mg/Kg	6010C
Fluoranthene	120	J	110	420	ug/Kg	8270D
Pyrene	99	J	70	420	ug/Kg	8270D
Di-n-butyl Phthalate	84	J	73	450	ug/Kg	8270D

CLIENT ID: SB5-7-8-220602			Lab ID: R2205037-009			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	92.2				Percent	ALS SOP
Aluminum, Total	3960		13	20	mg/Kg	6010C
Arsenic, Total	4.3		0.8	1.0	mg/Kg	6010C
Barium, Total	32.1		1.6	2.0	mg/Kg	6010C
Beryllium, Total	0.27	J	0.03	0.30	mg/Kg	6010C
Cadmium, Total	0.19	J	0.09	0.50	mg/Kg	6010C
Calcium, Total	5680		40	100	mg/Kg	6010C
Chromium, Total	11.0		0.4	1.0	mg/Kg	6010C
Cobalt, Total	4.6	J	0.09	5.0	mg/Kg	6010C
Copper, Total	13.7		0.2	2.0	mg/Kg	6010C
Iron, Total	10400		140	200	mg/Kg	6010C
Lead, Total	6.8		0.5	5.0	mg/Kg	6010C
Magnesium, Total	3120		20	100	mg/Kg	6010C
Manganese, Total	212		0.2	2.0	mg/Kg	6010C
Mercury, Total	24.2		1.7	4.3	mg/Kg	7471B

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: SB5-7-8-220602			Lab ID: R2205037-009			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Nickel, Total	17.7		0.7	4.0	mg/Kg	6010C
Potassium, Total	1090		60	200	mg/Kg	6010C
Sodium, Total	130		20	100	mg/Kg	6010C
Vanadium, Total	18.5		0.07	5.0	mg/Kg	6010C
Zinc, Total	32.8		1.5	2.0	mg/Kg	6010C
Di-n-butyl Phthalate	130	J	60	370	ug/Kg	8270D

CLIENT ID: SB5-8-9-220602			Lab ID: R2205037-010			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	91.7				Percent	ALS SOP
Aluminum, Total	4260		13	20	mg/Kg	6010C
Arsenic, Total	3.8		0.8	1.0	mg/Kg	6010C
Barium, Total	32.8		1.6	2.0	mg/Kg	6010C
Beryllium, Total	0.34		0.03	0.30	mg/Kg	6010C
Cadmium, Total	0.18	J	0.09	0.50	mg/Kg	6010C
Calcium, Total	3020		40	100	mg/Kg	6010C
Chromium, Total	13.3		0.4	1.0	mg/Kg	6010C
Cobalt, Total	5.0	J	0.09	5.0	mg/Kg	6010C
Copper, Total	13.5		0.2	2.0	mg/Kg	6010C
Iron, Total	11300		140	200	mg/Kg	6010C
Lead, Total	8.6		0.5	5.0	mg/Kg	6010C
Magnesium, Total	3820		20	100	mg/Kg	6010C
Manganese, Total	208		0.2	2.0	mg/Kg	6010C
Mercury, Total	41.1		1.1	2.7	mg/Kg	7471B
Nickel, Total	23.8		0.7	4.0	mg/Kg	6010C
Potassium, Total	1100		60	200	mg/Kg	6010C
Sodium, Total	140		20	100	mg/Kg	6010C
Vanadium, Total	19.4		0.07	5.0	mg/Kg	6010C
Zinc, Total	30.4		1.5	2.0	mg/Kg	6010C
Acetone	13	J	12	19	ug/Kg	8260C

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Anchor QEA, LLC **Service Request:**R2205037
Project: John Street/E.10921.03.01

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2205037-001	SB2-5-6-220602	6/2/2022	1135
R2205037-002	SB2-6-7-220602	6/2/2022	1145
R2205037-003	SB2-7-8-220602	6/2/2022	1200
R2205037-004	SB2-8-9-220602	6/2/2022	1215
R2205037-005	SB2-9-10-220602	6/2/2022	1230
R2205037-006	SB2-FD-220602	6/2/2022	1235
R2205037-007	SB5-5-6-220602	6/2/2022	1350
R2205037-008	SB5-6-7-220602	6/2/2022	1420
R2205037-009	SB5-7-8-220602	6/2/2022	1430
R2205037-010	SB5-8-9-220602	6/2/2022	1445

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

000922

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 1

Project Name: John St.	Project Number: E10921.03.01
Project Manager: Matt Cavas	Report CC:
Company/Address: Anchor QEA 68 Excelsior Ave Saratoga Springs NY 12866	
Phone #: (518) 222-5486	Email: mcavas@anchorqea.com
Sampler's Signature:	Sampler's Printed Name: Scott Andrews

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs 8260 ○ 624 ○ CLP	GC/MS SVOAs 8270 ○ 625	GC VOAs ○ 8021 ○ 601/602	PESTICIDES ○ 8081 ○ 608	PCBs 8082 ○ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
SB2-5-6-220602		6/2/22	1135	Soil	6	X	X			X	X		
SB2-6-7-220602			1145		6	X	X			X	X		
SB2-7-8-220602			1200		6	X	X			X	X		
SB2-8-9-220602			1215		6	X	X			X	X		
SB2-9-10-220602			1230		6	X	X			X	X		
SB2-FD-220602			1235		6	X	X			X	X		
SB5-5-6-220602			1350		6	X	X			X	X		
SB5-6-7-220602			1420		18	X	X			X	X		MS/MSD
SB5-7-8-220602			1430		6	X	X			X	X		
SB5-8-9-220602			1445		6	X	X			X	X		

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

Total Metals + Hg

See OAPP ☐

STATE WHERE SAMPLES WERE COLLECTED: NY

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 1 day _____ 2 day _____ 3 day
_____ 4 day X 5 day
_____ Standard (10 business days-No Surcharge)
REQUESTED REPORT DATE: _____

REPORT REQUIREMENTS
_____ I. Results Only
_____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
_____ III. Results + QC and Calibration Summaries
_____ IV. Data Validation Report with Raw Data
Edata _____ Yes _____ No

INVOICE INFORMATION
PO #:
BILL TO:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: Scott Andrews	Printed Name: Gregory D. Esmerian	Printed Name:	Printed Name:	Printed Name:	
Firm: Anchor QEA	Firm: ALS	Firm:	Firm:	Firm:	
Date/Time: 6/2/22	Date/Time: 6/3/22 09:35	Date/Time:	Date/Time:	Date/Time:	

Distribution: White - Lab Copy; Yellow - Return to Originator

R2205037 5
Anchor QEA, LLC
John Street

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R2205037
Anchor QEA, LLC
John Street
5

Cooler Receipt and Preservation Check Fo

Project/Client Anchor QEA Folder Number

Cooler received on 6/3/22 by: KE

COURIER: ALS UPS (FEDEX) VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y (N)	5a	Perchlorate samples have required headspace?	Y N (NA)
2	Custody papers properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* bubbles?	Y N (NA)
3	Did all bottles arrive in good condition (unbroken)?	(Y) N *	6	Where did the bottles originate?	(ALS/ROC) CLIENT
4	Circle: (Wet Ice) Dry Ice Gel packs present?	(Y) N	7	Soil VOA received as: Bulk Encore (5035set) NA	

8. Temperature Readings Date: 6/3/22 Time: 0945 ID: IR#7 IR#11 From: (Temp Blank) (Sample Bottle)

Observed Temp (°C)	10.3	9.5	8.1	12.8	11.6		
Within 0-6°C?	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: Ice melted (Poorly Packed) (described below) Same Day Rule

&Client Approval to Run Samples: Standing Approval Client aware at drop-off Client notified by:

All samples held in storage location: R002 by KE on 6/3/22 at 1015

5035 samples placed in storage location: F09 by KE on 6/3/22 at 1017 within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 6/4/22 Time: 0945 by: KE

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? (YES) NO
13. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

KE 6/4/22

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**						

Bottle lot numbers: 112221-IBNS

Explain all Discrepancies/ Other Comments:

* % Solids Jar for SB2-9-10 has a cracked cap, but it is intact.

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: KE

PC Secondary Review:

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

P:\INTRANET\QAQC\Forms Controlled\Cooler Receipt r19.doc 03/02/2021

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.

J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.

Spike was diluted out.

+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).

X See Case Narrative for discussion.

MRL Method Reporting Limit. Also known as:
LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.

MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).

LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.

ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Anchor QEA, LLC **Service Request:** R2205037
Project: John Street/E.10921.03.01

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
ALS SOP	Soil	Total Solids

Client: Anchor QEA, LLC **Service Request:** R2205037
Project: John Street/E.10921.03.01

Sample Name: SB2-5-6-220602 **Date Collected:** 06/2/22
Lab Code: R2205037-001 **Date Received:** 06/3/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	KMCLAEN
7471B	BDIAMOND	BDIAMOND
8082A	JBOEDICKER	AFELSER
8260C		FNAEGLER
8270D	AMOSES	AMOSES
ALS SOP		KAWONG

Sample Name: SB2-5-6-220602 **Date Collected:** 06/2/22
Lab Code: R2205037-001.R01 **Date Received:** 06/3/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
8270D	AMOSES	AMOSES

Sample Name: SB2-6-7-220602 **Date Collected:** 06/2/22
Lab Code: R2205037-002 **Date Received:** 06/3/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	KMCLAEN
7471B	BDIAMOND	BDIAMOND
8082A	JBOEDICKER	AFELSER
8260C		FNAEGLER
8270D	AMOSES	AMOSES
ALS SOP		KAWONG

Client: Anchor QEA, LLC **Service Request:** R2205037
Project: John Street/E.10921.03.01

Sample Name: SB2-6-7-220602 **Date Collected:** 06/2/22
Lab Code: R2205037-002.R01 **Date Received:** 06/3/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
8270D	AMOSES	AMOSES

Sample Name: SB2-7-8-220602 **Date Collected:** 06/2/22
Lab Code: R2205037-003 **Date Received:** 06/3/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	KMCLAEN
7471B	BDIAMOND	BDIAMOND
8082A	JBOEDICKER	AFELSER
8260C		FNAEGLER
8270D	AMOSES	AMOSES
ALS SOP		KAWONG

Sample Name: SB2-7-8-220602 **Date Collected:** 06/2/22
Lab Code: R2205037-003.R01 **Date Received:** 06/3/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
8270D	AMOSES	AMOSES

Sample Name: SB2-8-9-220602 **Date Collected:** 06/2/22
Lab Code: R2205037-004 **Date Received:** 06/3/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	KMCLAEN
7471B	BDIAMOND	BDIAMOND
8082A	JBOEDICKER	AFELSER
8260C		FNAEGLER
8270D	AMOSES	AMOSES

Client: Anchor QEA, LLC **Service Request:** R2205037
Project: John Street/E.10921.03.01

Sample Name: SB2-8-9-220602 **Date Collected:** 06/2/22
Lab Code: R2205037-004 **Date Received:** 06/3/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
ALS SOP		KAWONG

Sample Name: SB2-8-9-220602 **Date Collected:** 06/2/22
Lab Code: R2205037-004.R01 **Date Received:** 06/3/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
8270D	AMOSES	AMOSES

Sample Name: SB2-9-10-220602 **Date Collected:** 06/2/22
Lab Code: R2205037-005 **Date Received:** 06/3/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	KMCLAEN
7471B	BDIAMOND	BDIAMOND
8082A	JBOEDICKER	AFELSER
8260C		FNAEGLER
8270D	AMOSES	AMOSES
ALS SOP		KAWONG

Sample Name: SB2-9-10-220602 **Date Collected:** 06/2/22
Lab Code: R2205037-005.R01 **Date Received:** 06/3/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
8270D	AMOSES	AMOSES

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01		

Sample Name:	SB2-FD-220602	**Date Collected:**	06/2/22
Lab Code:	R2205037-006	**Date Received:**	06/3/22
Sample Matrix:	Soil		

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	KMCLAEN
7471B	BDIAMOND	BDIAMOND
8082A	JBOEDICKER	AFELSER
8260C		FNAEGLER
8270D	AMOSES	AMOSES
ALS SOP		KAWONG

Sample Name:	SB2-FD-220602	**Date Collected:**	06/2/22
Lab Code:	R2205037-006.R01	**Date Received:**	06/3/22
Sample Matrix:	Soil		

Analysis Method	Extracted/Digested By	Analyzed By
8270D	AMOSES	AMOSES

Sample Name:	SB5-5-6-220602	**Date Collected:**	06/2/22
Lab Code:	R2205037-007	**Date Received:**	06/3/22
Sample Matrix:	Soil		

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	KMCLAEN
7471B	BDIAMOND	BDIAMOND
8082A	JBOEDICKER	AFELSER
8260C		FNAEGLER
8270D	AMOSES	AMOSES
ALS SOP		KAWONG

Client: Anchor QEA, LLC **Service Request:** R2205037
Project: John Street/E.10921.03.01

Sample Name: SB5-5-6-220602 **Date Collected:** 06/2/22
Lab Code: R2205037-007.R01 **Date Received:** 06/3/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
8270D	AMOSES	AMOSES

Sample Name: SB5-6-7-220602 **Date Collected:** 06/2/22
Lab Code: R2205037-008 **Date Received:** 06/3/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	KMCLAEN
7471B	BDIAMOND	BDIAMOND
8082A	JBOEDICKER	AFELSER
8260C		FNAEGLER
8270D	AMOSES	AMOSES
ALS SOP		KAWONG

Sample Name: SB5-6-7-220602 **Date Collected:** 06/2/22
Lab Code: R2205037-008.R01 **Date Received:** 06/3/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
8270D	AMOSES	AMOSES

Sample Name: SB5-7-8-220602 **Date Collected:** 06/2/22
Lab Code: R2205037-009 **Date Received:** 06/3/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	KMCLAEN
7471B	BDIAMOND	BDIAMOND
8082A	JBOEDICKER	AFELSER
8260C		FNAEGLER
8270D	AMOSES	AMOSES

Client: Anchor QEA, LLC **Service Request:** R2205037
Project: John Street/E.10921.03.01

Sample Name: SB5-7-8-220602 **Date Collected:** 06/2/22
Lab Code: R2205037-009 **Date Received:** 06/3/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
ALS SOP		KAWONG

Sample Name: SB5-7-8-220602 **Date Collected:** 06/2/22
Lab Code: R2205037-009.R01 **Date Received:** 06/3/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
8270D	AMOSES	AMOSES

Sample Name: SB5-8-9-220602 **Date Collected:** 06/2/22
Lab Code: R2205037-010 **Date Received:** 06/3/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	KMCLAEN
7471B	BDIAMOND	BDIAMOND
8082A	JBOEDICKER	AFELSER
8260C		FNAEGLER
8270D	AMOSES	AMOSES
ALS SOP		KAWONG

Sample Name: SB5-8-9-220602 **Date Collected:** 06/2/22
Lab Code: R2205037-010.R01 **Date Received:** 06/3/22
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
8270D	AMOSES	AMOSES

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 11:35
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-5-6-220602	**Units:**	ug/Kg
Lab Code:	R2205037-001	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	4.8	0.20	.93	06/08/22 13:40	
1,1,1-Trichloroethane (TCA)	0.20 U	4.8	0.20	.93	06/08/22 13:40	
1,1,2,2-Tetrachloroethane	0.43 U	4.8	0.43	.93	06/08/22 13:40	
1,1,2-Trichloroethane	0.20 U	4.8	0.20	.93	06/08/22 13:40	
1,1-Dichloroethane (1,1-DCA)	0.20 U	4.8	0.20	.93	06/08/22 13:40	
1,1-Dichloroethene (1,1-DCE)	0.29 U	4.8	0.29	.93	06/08/22 13:40	
1,1-Dichloropropene	0.20 U	4.8	0.20	.93	06/08/22 13:40	
1,2,3-Trichlorobenzene	0.51 U	4.8	0.51	.93	06/08/22 13:40	
1,2,3-Trichloropropane	0.20 U	4.8	0.20	.93	06/08/22 13:40	
1,2,4-Trichlorobenzene	0.41 U	4.8	0.41	.93	06/08/22 13:40	
1,2,4-Trimethylbenzene	0.20 U	4.8	0.20	.93	06/08/22 13:40	
1,2-Dibromo-3-chloropropane (DBCP)	0.73 U	4.8	0.73	.93	06/08/22 13:40	
1,2-Dibromoethane	0.20 U	4.8	0.20	.93	06/08/22 13:40	
1,2-Dichlorobenzene	0.20 U	4.8	0.20	.93	06/08/22 13:40	
1,2-Dichloroethane	0.20 U	4.8	0.20	.93	06/08/22 13:40	
1,2-Dichloropropane	0.20 U	4.8	0.20	.93	06/08/22 13:40	
1,3,5-Trimethylbenzene	0.20 U	4.8	0.20	.93	06/08/22 13:40	
1,3-Dichlorobenzene	0.20 U	4.8	0.20	.93	06/08/22 13:40	
1,3-Dichloropropane	0.20 U	4.8	0.20	.93	06/08/22 13:40	
1,4-Dichlorobenzene	0.22 U	4.8	0.22	.93	06/08/22 13:40	
1,4-Dioxane	20 U	97	20	.93	06/08/22 13:40	
2,2-Dichloropropane	0.20 U	4.8	0.20	.93	06/08/22 13:40	
2-Butanone (MEK)	2.0 U	4.8	2.0	.93	06/08/22 13:40	
2-Chlorotoluene	0.20 U	4.8	0.20	.93	06/08/22 13:40	
2-Hexanone	0.35 U	4.8	0.35	.93	06/08/22 13:40	
4-Chlorotoluene	0.20 U	4.8	0.20	.93	06/08/22 13:40	
4-Isopropyltoluene	0.20 U	4.8	0.20	.93	06/08/22 13:40	
4-Methyl-2-pentanone	0.23 U	4.8	0.23	.93	06/08/22 13:40	
Acetone	15 U	24	15	.93	06/08/22 13:40	
Acrylonitrile	0.87 U	24	0.87	.93	06/08/22 13:40	
Benzene	0.20 U	4.8	0.20	.93	06/08/22 13:40	
Bromobenzene	0.20 U	4.8	0.20	.93	06/08/22 13:40	
Bromochloromethane	0.20 U	4.8	0.20	.93	06/08/22 13:40	
Bromodichloromethane	0.20 U	4.8	0.20	.93	06/08/22 13:40	
Bromoform	0.49 U	4.8	0.49	.93	06/08/22 13:40	
Bromomethane	2.1 U	4.8	2.1	.93	06/08/22 13:40	
Carbon Disulfide	0.29 U	4.8	0.29	.93	06/08/22 13:40	
Carbon Tetrachloride	0.26 U	4.8	0.26	.93	06/08/22 13:40	
Chlorobenzene	0.20 U	4.8	0.20	.93	06/08/22 13:40	
Chloroethane	0.40 U	4.8	0.40	.93	06/08/22 13:40	
Chloroform	0.20 U	4.8	0.20	.93	06/08/22 13:40	
Chloromethane	1.4 U	4.8	1.4	.93	06/08/22 13:40	
Dibromochloromethane	0.20 U	4.8	0.20	.93	06/08/22 13:40	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 11:35
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-5-6-220602	**Units:**	ug/Kg
Lab Code:	R2205037-001	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.20 U	4.8	0.20	.93	06/08/22 13:40	
Dichlorodifluoromethane (CFC 12)	0.32 U	4.8	0.32	.93	06/08/22 13:40	
Methylene Chloride	2.8 U	4.8	2.8	.93	06/08/22 13:40	
Diethyl Ether	0.25 U	4.8	0.25	.93	06/08/22 13:40	
Ethylbenzene	0.97 U	4.8	0.97	.93	06/08/22 13:40	
Hexachlorobutadiene	0.46 U	4.8	0.46	.93	06/08/22 13:40	
Isopropylbenzene (Cumene)	0.20 U	4.8	0.20	.93	06/08/22 13:40	
Methyl tert-Butyl Ether	0.20 U	4.8	0.20	.93	06/08/22 13:40	
Naphthalene	0.96 U	4.8	0.96	.93	06/08/22 13:40	
Styrene	0.97 U	4.8	0.97	.93	06/08/22 13:40	
Tetrachloroethene (PCE)	0.23 U	4.8	0.23	.93	06/08/22 13:40	
Toluene	2.0 U	4.8	2.0	.93	06/08/22 13:40	
Trichloroethene (TCE)	0.22 U	4.8	0.22	.93	06/08/22 13:40	
Trichlorofluoromethane (CFC 11)	0.26 U	4.8	0.26	.93	06/08/22 13:40	
Vinyl Acetate	0.76 U	9.7	0.76	.93	06/08/22 13:40	
Vinyl Chloride	0.45 U	4.8	0.45	.93	06/08/22 13:40	
Xylenes, Total	0.51 U	15	0.51	.93	06/08/22 13:40	
cis-1,2-Dichloroethene	0.20 U	4.8	0.20	.93	06/08/22 13:40	
cis-1,3-Dichloropropene	0.20 U	4.8	0.20	.93	06/08/22 13:40	
m,p-Xylenes	2.0 U	9.7	2.0	.93	06/08/22 13:40	
n-Butylbenzene	0.20 U	4.8	0.20	.93	06/08/22 13:40	
n-Propylbenzene	0.20 U	4.8	0.20	.93	06/08/22 13:40	
o-Xylene	0.97 U	4.8	0.97	.93	06/08/22 13:40	
sec-Butylbenzene	0.20 U	4.8	0.20	.93	06/08/22 13:40	
tert-Butylbenzene	0.20 U	4.8	0.20	.93	06/08/22 13:40	
trans-1,2-Dichloroethene	0.20 U	4.8	0.20	.93	06/08/22 13:40	
trans-1,3-Dichloropropene	0.20 U	4.8	0.20	.93	06/08/22 13:40	
trans-1,4-Dichloro-2-butene	0.22 U	4.8	0.22	.93	06/08/22 13:40	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	31 - 154	06/08/22 13:40	
Dibromofluoromethane	99	63 - 138	06/08/22 13:40	
Toluene-d8	98	66 - 138	06/08/22 13:40	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 11:45
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-002	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.18 U	4.4	0.18	.85	06/08/22 14:03	
1,1,1-Trichloroethane (TCA)	0.18 U	4.4	0.18	.85	06/08/22 14:03	
1,1,2,2-Tetrachloroethane	0.39 U	4.4	0.39	.85	06/08/22 14:03	
1,1,2-Trichloroethane	0.18 U	4.4	0.18	.85	06/08/22 14:03	
1,1-Dichloroethane (1,1-DCA)	0.18 U	4.4	0.18	.85	06/08/22 14:03	
1,1-Dichloroethene (1,1-DCE)	0.26 U	4.4	0.26	.85	06/08/22 14:03	
1,1-Dichloropropene	0.18 U	4.4	0.18	.85	06/08/22 14:03	
1,2,3-Trichlorobenzene	0.47 U	4.4	0.47	.85	06/08/22 14:03	
1,2,3-Trichloropropane	0.18 U	4.4	0.18	.85	06/08/22 14:03	
1,2,4-Trichlorobenzene	0.38 U	4.4	0.38	.85	06/08/22 14:03	
1,2,4-Trimethylbenzene	0.18 U	4.4	0.18	.85	06/08/22 14:03	
1,2-Dibromo-3-chloropropane (DBCP)	0.67 U	4.4	0.67	.85	06/08/22 14:03	
1,2-Dibromoethane	0.18 U	4.4	0.18	.85	06/08/22 14:03	
1,2-Dichlorobenzene	0.18 U	4.4	0.18	.85	06/08/22 14:03	
1,2-Dichloroethane	0.18 U	4.4	0.18	.85	06/08/22 14:03	
1,2-Dichloropropane	0.18 U	4.4	0.18	.85	06/08/22 14:03	
1,3,5-Trimethylbenzene	0.18 U	4.4	0.18	.85	06/08/22 14:03	
1,3-Dichlorobenzene	0.18 U	4.4	0.18	.85	06/08/22 14:03	
1,3-Dichloropropane	0.18 U	4.4	0.18	.85	06/08/22 14:03	
1,4-Dichlorobenzene	0.20 U	4.4	0.20	.85	06/08/22 14:03	
1,4-Dioxane	18 U	89	18	.85	06/08/22 14:03	
2,2-Dichloropropane	0.18 U	4.4	0.18	.85	06/08/22 14:03	
2-Butanone (MEK)	1.8 U	4.4	1.8	.85	06/08/22 14:03	
2-Chlorotoluene	0.18 U	4.4	0.18	.85	06/08/22 14:03	
2-Hexanone	0.32 U	4.4	0.32	.85	06/08/22 14:03	
4-Chlorotoluene	0.18 U	4.4	0.18	.85	06/08/22 14:03	
4-Isopropyltoluene	0.18 U	4.4	0.18	.85	06/08/22 14:03	
4-Methyl-2-pentanone	0.21 U	4.4	0.21	.85	06/08/22 14:03	
Acetone	14 U	22	14	.85	06/08/22 14:03	
Acrylonitrile	0.79 U	22	0.79	.85	06/08/22 14:03	
Benzene	0.18 U	4.4	0.18	.85	06/08/22 14:03	
Bromobenzene	0.18 U	4.4	0.18	.85	06/08/22 14:03	
Bromochloromethane	0.18 U	4.4	0.18	.85	06/08/22 14:03	
Bromodichloromethane	0.18 U	4.4	0.18	.85	06/08/22 14:03	
Bromoform	0.45 U	4.4	0.45	.85	06/08/22 14:03	
Bromomethane	1.9 U	4.4	1.9	.85	06/08/22 14:03	
Carbon Disulfide	0.26 U	4.4	0.26	.85	06/08/22 14:03	
Carbon Tetrachloride	0.24 U	4.4	0.24	.85	06/08/22 14:03	
Chlorobenzene	0.18 U	4.4	0.18	.85	06/08/22 14:03	
Chloroethane	0.37 U	4.4	0.37	.85	06/08/22 14:03	
Chloroform	0.18 U	4.4	0.18	.85	06/08/22 14:03	
Chloromethane	1.3 U	4.4	1.3	.85	06/08/22 14:03	
Dibromochloromethane	0.18 U	4.4	0.18	.85	06/08/22 14:03	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 11:45
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-002	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.18 U	4.4	0.18	.85	06/08/22 14:03	
Dichlorodifluoromethane (CFC 12)	0.30 U	4.4	0.30	.85	06/08/22 14:03	
Methylene Chloride	2.5 U	4.4	2.5	.85	06/08/22 14:03	
Diethyl Ether	0.23 U	4.4	0.23	.85	06/08/22 14:03	
Ethylbenzene	0.89 U	4.4	0.89	.85	06/08/22 14:03	
Hexachlorobutadiene	0.42 U	4.4	0.42	.85	06/08/22 14:03	
Isopropylbenzene (Cumene)	0.18 U	4.4	0.18	.85	06/08/22 14:03	
Methyl tert-Butyl Ether	0.18 U	4.4	0.18	.85	06/08/22 14:03	
Naphthalene	0.88 U	4.4	0.88	.85	06/08/22 14:03	
Styrene	0.89 U	4.4	0.89	.85	06/08/22 14:03	
Tetrachloroethene (PCE)	0.21 U	4.4	0.21	.85	06/08/22 14:03	
Toluene	1.8 U	4.4	1.8	.85	06/08/22 14:03	
Trichloroethene (TCE)	0.20 U	4.4	0.20	.85	06/08/22 14:03	
Trichlorofluoromethane (CFC 11)	0.24 U	4.4	0.24	.85	06/08/22 14:03	
Vinyl Acetate	0.70 U	8.9	0.70	.85	06/08/22 14:03	
Vinyl Chloride	0.41 U	4.4	0.41	.85	06/08/22 14:03	
Xylenes, Total	0.47 U	13	0.47	.85	06/08/22 14:03	
cis-1,2-Dichloroethene	0.18 U	4.4	0.18	.85	06/08/22 14:03	
cis-1,3-Dichloropropene	0.18 U	4.4	0.18	.85	06/08/22 14:03	
m,p-Xylenes	1.8 U	8.9	1.8	.85	06/08/22 14:03	
n-Butylbenzene	0.18 U	4.4	0.18	.85	06/08/22 14:03	
n-Propylbenzene	0.18 U	4.4	0.18	.85	06/08/22 14:03	
o-Xylene	0.89 U	4.4	0.89	.85	06/08/22 14:03	
sec-Butylbenzene	0.18 U	4.4	0.18	.85	06/08/22 14:03	
tert-Butylbenzene	0.18 U	4.4	0.18	.85	06/08/22 14:03	
trans-1,2-Dichloroethene	0.18 U	4.4	0.18	.85	06/08/22 14:03	
trans-1,3-Dichloropropene	0.18 U	4.4	0.18	.85	06/08/22 14:03	
trans-1,4-Dichloro-2-butene	0.20 U	4.4	0.20	.85	06/08/22 14:03	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	31 - 154	06/08/22 14:03	
Dibromofluoromethane	102	63 - 138	06/08/22 14:03	
Toluene-d8	99	66 - 138	06/08/22 14:03	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:00
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-7-8-220602	**Units:**	ug/Kg
Lab Code:	R2205037-003	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	4.7	0.19	.9	06/08/22 14:26	
1,1,1-Trichloroethane (TCA)	0.19 U	4.7	0.19	.9	06/08/22 14:26	
1,1,2,2-Tetrachloroethane	0.42 U	4.7	0.42	.9	06/08/22 14:26	
1,1,2-Trichloroethane	0.19 U	4.7	0.19	.9	06/08/22 14:26	
1,1-Dichloroethane (1,1-DCA)	0.19 U	4.7	0.19	.9	06/08/22 14:26	
1,1-Dichloroethene (1,1-DCE)	0.28 U	4.7	0.28	.9	06/08/22 14:26	
1,1-Dichloropropene	0.19 U	4.7	0.19	.9	06/08/22 14:26	
1,2,3-Trichlorobenzene	0.49 U	4.7	0.49	.9	06/08/22 14:26	
1,2,3-Trichloropropane	0.19 U	4.7	0.19	.9	06/08/22 14:26	
1,2,4-Trichlorobenzene	0.40 U	4.7	0.40	.9	06/08/22 14:26	
1,2,4-Trimethylbenzene	0.19 U	4.7	0.19	.9	06/08/22 14:26	
1,2-Dibromo-3-chloropropane (DBCP)	0.71 U	4.7	0.71	.9	06/08/22 14:26	
1,2-Dibromoethane	0.19 U	4.7	0.19	.9	06/08/22 14:26	
1,2-Dichlorobenzene	0.19 U	4.7	0.19	.9	06/08/22 14:26	
1,2-Dichloroethane	0.19 U	4.7	0.19	.9	06/08/22 14:26	
1,2-Dichloropropane	0.19 U	4.7	0.19	.9	06/08/22 14:26	
1,3,5-Trimethylbenzene	0.19 U	4.7	0.19	.9	06/08/22 14:26	
1,3-Dichlorobenzene	0.19 U	4.7	0.19	.9	06/08/22 14:26	
1,3-Dichloropropane	0.19 U	4.7	0.19	.9	06/08/22 14:26	
1,4-Dichlorobenzene	0.21 U	4.7	0.21	.9	06/08/22 14:26	
1,4-Dioxane	19 U	94	19	.9	06/08/22 14:26	
2,2-Dichloropropane	0.19 U	4.7	0.19	.9	06/08/22 14:26	
2-Butanone (MEK)	1.9 U	4.7	1.9	.9	06/08/22 14:26	
2-Chlorotoluene	0.19 U	4.7	0.19	.9	06/08/22 14:26	
2-Hexanone	0.34 U	4.7	0.34	.9	06/08/22 14:26	
4-Chlorotoluene	0.19 U	4.7	0.19	.9	06/08/22 14:26	
4-Isopropyltoluene	0.19 U	4.7	0.19	.9	06/08/22 14:26	
4-Methyl-2-pentanone	0.22 U	4.7	0.22	.9	06/08/22 14:26	
Acetone	15 U	23	15	.9	06/08/22 14:26	
Acrylonitrile	0.84 U	23	0.84	.9	06/08/22 14:26	
Benzene	0.19 U	4.7	0.19	.9	06/08/22 14:26	
Bromobenzene	0.19 U	4.7	0.19	.9	06/08/22 14:26	
Bromochloromethane	0.19 U	4.7	0.19	.9	06/08/22 14:26	
Bromodichloromethane	0.19 U	4.7	0.19	.9	06/08/22 14:26	
Bromoform	0.47 U	4.7	0.47	.9	06/08/22 14:26	
Bromomethane	2.0 U	4.7	2.0	.9	06/08/22 14:26	
Carbon Disulfide	0.28 U	4.7	0.28	.9	06/08/22 14:26	
Carbon Tetrachloride	0.25 U	4.7	0.25	.9	06/08/22 14:26	
Chlorobenzene	0.19 U	4.7	0.19	.9	06/08/22 14:26	
Chloroethane	0.39 U	4.7	0.39	.9	06/08/22 14:26	
Chloroform	0.19 U	4.7	0.19	.9	06/08/22 14:26	
Chloromethane	1.4 U	4.7	1.4	.9	06/08/22 14:26	
Dibromochloromethane	0.19 U	4.7	0.19	.9	06/08/22 14:26	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:00
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-7-8-220602	**Units:**	ug/Kg
Lab Code:	R2205037-003	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.19 U	4.7	0.19	.9	06/08/22 14:26	
Dichlorodifluoromethane (CFC 12)	0.31 U	4.7	0.31	.9	06/08/22 14:26	
Methylene Chloride	2.7 U	4.7	2.7	.9	06/08/22 14:26	
Diethyl Ether	0.24 U	4.7	0.24	.9	06/08/22 14:26	
Ethylbenzene	0.94 U	4.7	0.94	.9	06/08/22 14:26	
Hexachlorobutadiene	0.44 U	4.7	0.44	.9	06/08/22 14:26	
Isopropylbenzene (Cumene)	0.19 U	4.7	0.19	.9	06/08/22 14:26	
Methyl tert-Butyl Ether	0.19 U	4.7	0.19	.9	06/08/22 14:26	
Naphthalene	0.93 U	4.7	0.93	.9	06/08/22 14:26	
Styrene	0.94 U	4.7	0.94	.9	06/08/22 14:26	
Tetrachloroethene (PCE)	0.22 U	4.7	0.22	.9	06/08/22 14:26	
Toluene	1.9 U	4.7	1.9	.9	06/08/22 14:26	
Trichloroethene (TCE)	0.21 U	4.7	0.21	.9	06/08/22 14:26	
Trichlorofluoromethane (CFC 11)	0.25 U	4.7	0.25	.9	06/08/22 14:26	
Vinyl Acetate	0.73 U	9.4	0.73	.9	06/08/22 14:26	
Vinyl Chloride	0.44 U	4.7	0.44	.9	06/08/22 14:26	
Xylenes, Total	0.49 U	14	0.49	.9	06/08/22 14:26	
cis-1,2-Dichloroethene	0.19 U	4.7	0.19	.9	06/08/22 14:26	
cis-1,3-Dichloropropene	0.19 U	4.7	0.19	.9	06/08/22 14:26	
m,p-Xylenes	1.9 U	9.4	1.9	.9	06/08/22 14:26	
n-Butylbenzene	0.19 U	4.7	0.19	.9	06/08/22 14:26	
n-Propylbenzene	0.19 U	4.7	0.19	.9	06/08/22 14:26	
o-Xylene	0.94 U	4.7	0.94	.9	06/08/22 14:26	
sec-Butylbenzene	0.19 U	4.7	0.19	.9	06/08/22 14:26	
tert-Butylbenzene	0.19 U	4.7	0.19	.9	06/08/22 14:26	
trans-1,2-Dichloroethene	0.19 U	4.7	0.19	.9	06/08/22 14:26	
trans-1,3-Dichloropropene	0.19 U	4.7	0.19	.9	06/08/22 14:26	
trans-1,4-Dichloro-2-butene	0.21 U	4.7	0.21	.9	06/08/22 14:26	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	31 - 154	06/08/22 14:26	
Dibromofluoromethane	100	63 - 138	06/08/22 14:26	
Toluene-d8	100	66 - 138	06/08/22 14:26	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:15
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-8-9-220602	**Units:**	ug/Kg
Lab Code:	R2205037-004	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	5.0	0.20	.96	06/08/22 14:50	
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	.96	06/08/22 14:50	
1,1,2,2-Tetrachloroethane	0.44 U	5.0	0.44	.96	06/08/22 14:50	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	.96	06/08/22 14:50	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	.96	06/08/22 14:50	
1,1-Dichloroethene (1,1-DCE)	0.29 U	5.0	0.29	.96	06/08/22 14:50	
1,1-Dichloropropene	0.20 U	5.0	0.20	.96	06/08/22 14:50	
1,2,3-Trichlorobenzene	0.52 U	5.0	0.52	.96	06/08/22 14:50	
1,2,3-Trichloropropane	0.20 U	5.0	0.20	.96	06/08/22 14:50	
1,2,4-Trichlorobenzene	0.42 U	5.0	0.42	.96	06/08/22 14:50	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	.96	06/08/22 14:50	
1,2-Dibromo-3-chloropropane (DBCP)	0.75 U	5.0	0.75	.96	06/08/22 14:50	
1,2-Dibromoethane	0.20 U	5.0	0.20	.96	06/08/22 14:50	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	.96	06/08/22 14:50	
1,2-Dichloroethane	0.20 U	5.0	0.20	.96	06/08/22 14:50	
1,2-Dichloropropane	0.20 U	5.0	0.20	.96	06/08/22 14:50	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	.96	06/08/22 14:50	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	.96	06/08/22 14:50	
1,3-Dichloropropane	0.20 U	5.0	0.20	.96	06/08/22 14:50	
1,4-Dichlorobenzene	0.22 U	5.0	0.22	.96	06/08/22 14:50	
1,4-Dioxane	20 U	99	20	.96	06/08/22 14:50	
2,2-Dichloropropane	0.20 U	5.0	0.20	.96	06/08/22 14:50	
2-Butanone (MEK)	2.0 U	5.0	2.0	.96	06/08/22 14:50	
2-Chlorotoluene	0.20 U	5.0	0.20	.96	06/08/22 14:50	
2-Hexanone	0.36 U	5.0	0.36	.96	06/08/22 14:50	
4-Chlorotoluene	0.20 U	5.0	0.20	.96	06/08/22 14:50	
4-Isopropyltoluene	0.20 U	5.0	0.20	.96	06/08/22 14:50	
4-Methyl-2-pentanone	0.23 U	5.0	0.23	.96	06/08/22 14:50	
Acetone	**19 J**	25	15	.96	06/08/22 14:50	
Acrylonitrile	0.89 U	25	0.89	.96	06/08/22 14:50	
Benzene	0.20 U	5.0	0.20	.96	06/08/22 14:50	
Bromobenzene	0.20 U	5.0	0.20	.96	06/08/22 14:50	
Bromochloromethane	0.20 U	5.0	0.20	.96	06/08/22 14:50	
Bromodichloromethane	0.20 U	5.0	0.20	.96	06/08/22 14:50	
Bromoform	0.50 U	5.0	0.50	.96	06/08/22 14:50	
Bromomethane	2.1 U	5.0	2.1	.96	06/08/22 14:50	
Carbon Disulfide	0.29 U	5.0	0.29	.96	06/08/22 14:50	
Carbon Tetrachloride	0.26 U	5.0	0.26	.96	06/08/22 14:50	
Chlorobenzene	0.20 U	5.0	0.20	.96	06/08/22 14:50	
Chloroethane	0.41 U	5.0	0.41	.96	06/08/22 14:50	
Chloroform	0.20 U	5.0	0.20	.96	06/08/22 14:50	
Chloromethane	1.4 U	5.0	1.4	.96	06/08/22 14:50	
Dibromochloromethane	0.20 U	5.0	0.20	.96	06/08/22 14:50	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:15
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-8-9-220602	**Units:**	ug/Kg
Lab Code:	R2205037-004	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.20 U	5.0	0.20	.96	06/08/22 14:50	
Dichlorodifluoromethane (CFC 12)	0.33 U	5.0	0.33	.96	06/08/22 14:50	
Methylene Chloride	2.8 U	5.0	2.8	.96	06/08/22 14:50	
Diethyl Ether	0.25 U	5.0	0.25	.96	06/08/22 14:50	
Ethylbenzene	1.0 U	5.0	1.0	.96	06/08/22 14:50	
Hexachlorobutadiene	0.47 U	5.0	0.47	.96	06/08/22 14:50	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	.96	06/08/22 14:50	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	.96	06/08/22 14:50	
Naphthalene	0.99 U	5.0	0.99	.96	06/08/22 14:50	
Styrene	1.0 U	5.0	1.0	.96	06/08/22 14:50	
Tetrachloroethene (PCE)	0.23 U	5.0	0.23	.96	06/08/22 14:50	
Toluene	2.0 U	5.0	2.0	.96	06/08/22 14:50	
Trichloroethene (TCE)	0.22 U	5.0	0.22	.96	06/08/22 14:50	
Trichlorofluoromethane (CFC 11)	0.26 U	5.0	0.26	.96	06/08/22 14:50	
Vinyl Acetate	0.78 U	9.9	0.78	.96	06/08/22 14:50	
Vinyl Chloride	0.46 U	5.0	0.46	.96	06/08/22 14:50	
Xylenes, Total	0.52 U	15	0.52	.96	06/08/22 14:50	
cis-1,2-Dichloroethene	0.20 U	5.0	0.20	.96	06/08/22 14:50	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	.96	06/08/22 14:50	
m,p-Xylenes	2.0 U	9.9	2.0	.96	06/08/22 14:50	
n-Butylbenzene	0.20 U	5.0	0.20	.96	06/08/22 14:50	
n-Propylbenzene	0.20 U	5.0	0.20	.96	06/08/22 14:50	
o-Xylene	1.0 U	5.0	1.0	.96	06/08/22 14:50	
sec-Butylbenzene	0.20 U	5.0	0.20	.96	06/08/22 14:50	
tert-Butylbenzene	0.20 U	5.0	0.20	.96	06/08/22 14:50	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	.96	06/08/22 14:50	
trans-1,3-Dichloropropene	0.20 U	5.0	0.20	.96	06/08/22 14:50	
trans-1,4-Dichloro-2-butene	0.22 U	5.0	0.22	.96	06/08/22 14:50	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	31 - 154	06/08/22 14:50	
Dibromofluoromethane	100	63 - 138	06/08/22 14:50	
Toluene-d8	99	66 - 138	06/08/22 14:50	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-9-10-220602	**Units:**	ug/Kg
Lab Code:	R2205037-005	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.21 U	5.1	0.21	.98	06/08/22 15:13	
1,1,1-Trichloroethane (TCA)	0.21 U	5.1	0.21	.98	06/08/22 15:13	
1,1,2,2-Tetrachloroethane	0.45 U	5.1	0.45	.98	06/08/22 15:13	
1,1,2-Trichloroethane	0.21 U	5.1	0.21	.98	06/08/22 15:13	
1,1-Dichloroethane (1,1-DCA)	0.21 U	5.1	0.21	.98	06/08/22 15:13	
1,1-Dichloroethene (1,1-DCE)	0.30 U	5.1	0.30	.98	06/08/22 15:13	
1,1-Dichloropropene	0.21 U	5.1	0.21	.98	06/08/22 15:13	
1,2,3-Trichlorobenzene	0.54 U	5.1	0.54	.98	06/08/22 15:13	
1,2,3-Trichloropropane	0.21 U	5.1	0.21	.98	06/08/22 15:13	
1,2,4-Trichlorobenzene	0.43 U	5.1	0.43	.98	06/08/22 15:13	
1,2,4-Trimethylbenzene	0.21 U	5.1	0.21	.98	06/08/22 15:13	
1,2-Dibromo-3-chloropropane (DBCP)	0.77 U	5.1	0.77	.98	06/08/22 15:13	
1,2-Dibromoethane	0.21 U	5.1	0.21	.98	06/08/22 15:13	
1,2-Dichlorobenzene	0.21 U	5.1	0.21	.98	06/08/22 15:13	
1,2-Dichloroethane	0.21 U	5.1	0.21	.98	06/08/22 15:13	
1,2-Dichloropropane	0.21 U	5.1	0.21	.98	06/08/22 15:13	
1,3,5-Trimethylbenzene	0.21 U	5.1	0.21	.98	06/08/22 15:13	
1,3-Dichlorobenzene	0.21 U	5.1	0.21	.98	06/08/22 15:13	
1,3-Dichloropropane	0.21 U	5.1	0.21	.98	06/08/22 15:13	
1,4-Dichlorobenzene	0.23 U	5.1	0.23	.98	06/08/22 15:13	
1,4-Dioxane	21 U	100	21	.98	06/08/22 15:13	
2,2-Dichloropropane	0.21 U	5.1	0.21	.98	06/08/22 15:13	
2-Butanone (MEK)	2.1 U	5.1	2.1	.98	06/08/22 15:13	
2-Chlorotoluene	0.21 U	5.1	0.21	.98	06/08/22 15:13	
2-Hexanone	0.37 U	5.1	0.37	.98	06/08/22 15:13	
4-Chlorotoluene	0.21 U	5.1	0.21	.98	06/08/22 15:13	
4-Isopropyltoluene	0.21 U	5.1	0.21	.98	06/08/22 15:13	
4-Methyl-2-pentanone	0.24 U	5.1	0.24	.98	06/08/22 15:13	
Acetone	16 U	25	16	.98	06/08/22 15:13	
Acrylonitrile	0.91 U	25	0.91	.98	06/08/22 15:13	
Benzene	0.21 U	5.1	0.21	.98	06/08/22 15:13	
Bromobenzene	0.21 U	5.1	0.21	.98	06/08/22 15:13	
Bromochloromethane	0.21 U	5.1	0.21	.98	06/08/22 15:13	
Bromodichloromethane	0.21 U	5.1	0.21	.98	06/08/22 15:13	
Bromoform	0.51 U	5.1	0.51	.98	06/08/22 15:13	
Bromomethane	2.2 U	5.1	2.2	.98	06/08/22 15:13	
Carbon Disulfide	0.30 U	5.1	0.30	.98	06/08/22 15:13	
Carbon Tetrachloride	0.27 U	5.1	0.27	.98	06/08/22 15:13	
Chlorobenzene	0.21 U	5.1	0.21	.98	06/08/22 15:13	
Chloroethane	0.42 U	5.1	0.42	.98	06/08/22 15:13	
Chloroform	0.21 U	5.1	0.21	.98	06/08/22 15:13	
Chloromethane	1.5 U	5.1	1.5	.98	06/08/22 15:13	
Dibromochloromethane	0.21 U	5.1	0.21	.98	06/08/22 15:13	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-9-10-220602	**Units:**	ug/Kg
Lab Code:	R2205037-005	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.21 U	5.1	0.21	.98	06/08/22 15:13	
Dichlorodifluoromethane (CFC 12)	0.34 U	5.1	0.34	.98	06/08/22 15:13	
Methylene Chloride	2.9 U	5.1	2.9	.98	06/08/22 15:13	
Diethyl Ether	0.26 U	5.1	0.26	.98	06/08/22 15:13	
Ethylbenzene	1.1 U	5.1	1.1	.98	06/08/22 15:13	
Hexachlorobutadiene	0.48 U	5.1	0.48	.98	06/08/22 15:13	
Isopropylbenzene (Cumene)	0.21 U	5.1	0.21	.98	06/08/22 15:13	
Methyl tert-Butyl Ether	0.21 U	5.1	0.21	.98	06/08/22 15:13	
Naphthalene	1.1 U	5.1	1.1	.98	06/08/22 15:13	
Styrene	1.1 U	5.1	1.1	.98	06/08/22 15:13	
Tetrachloroethene (PCE)	0.24 U	5.1	0.24	.98	06/08/22 15:13	
Toluene	2.1 U	5.1	2.1	.98	06/08/22 15:13	
Trichloroethene (TCE)	0.23 U	5.1	0.23	.98	06/08/22 15:13	
Trichlorofluoromethane (CFC 11)	0.27 U	5.1	0.27	.98	06/08/22 15:13	
Vinyl Acetate	0.80 U	10	0.80	.98	06/08/22 15:13	
Vinyl Chloride	0.47 U	5.1	0.47	.98	06/08/22 15:13	
Xylenes, Total	0.54 U	15	0.54	.98	06/08/22 15:13	
cis-1,2-Dichloroethene	0.21 U	5.1	0.21	.98	06/08/22 15:13	
cis-1,3-Dichloropropene	0.21 U	5.1	0.21	.98	06/08/22 15:13	
m,p-Xylenes	2.1 U	10	2.1	.98	06/08/22 15:13	
n-Butylbenzene	0.21 U	5.1	0.21	.98	06/08/22 15:13	
n-Propylbenzene	0.21 U	5.1	0.21	.98	06/08/22 15:13	
o-Xylene	1.1 U	5.1	1.1	.98	06/08/22 15:13	
sec-Butylbenzene	0.21 U	5.1	0.21	.98	06/08/22 15:13	
tert-Butylbenzene	0.21 U	5.1	0.21	.98	06/08/22 15:13	
trans-1,2-Dichloroethene	0.21 U	5.1	0.21	.98	06/08/22 15:13	
trans-1,3-Dichloropropene	0.21 U	5.1	0.21	.98	06/08/22 15:13	
trans-1,4-Dichloro-2-butene	0.23 U	5.1	0.23	.98	06/08/22 15:13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	31 - 154	06/08/22 15:13	
Dibromofluoromethane	100	63 - 138	06/08/22 15:13	
Toluene-d8	102	66 - 138	06/08/22 15:13	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:35
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-FD-220602	**Units:**	ug/Kg
Lab Code:	R2205037-006	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	4.9	0.20	.93	06/08/22 15:36	
1,1,1-Trichloroethane (TCA)	0.20 U	4.9	0.20	.93	06/08/22 15:36	
1,1,2,2-Tetrachloroethane	0.43 U	4.9	0.43	.93	06/08/22 15:36	
1,1,2-Trichloroethane	0.20 U	4.9	0.20	.93	06/08/22 15:36	
1,1-Dichloroethane (1,1-DCA)	0.20 U	4.9	0.20	.93	06/08/22 15:36	
1,1-Dichloroethene (1,1-DCE)	0.29 U	4.9	0.29	.93	06/08/22 15:36	
1,1-Dichloropropene	0.20 U	4.9	0.20	.93	06/08/22 15:36	
1,2,3-Trichlorobenzene	0.51 U	4.9	0.51	.93	06/08/22 15:36	
1,2,3-Trichloropropane	0.20 U	4.9	0.20	.93	06/08/22 15:36	
1,2,4-Trichlorobenzene	0.41 U	4.9	0.41	.93	06/08/22 15:36	
1,2,4-Trimethylbenzene	0.20 U	4.9	0.20	.93	06/08/22 15:36	
1,2-Dibromo-3-chloropropane (DBCP)	0.74 U	4.9	0.74	.93	06/08/22 15:36	
1,2-Dibromoethane	0.20 U	4.9	0.20	.93	06/08/22 15:36	
1,2-Dichlorobenzene	0.20 U	4.9	0.20	.93	06/08/22 15:36	
1,2-Dichloroethane	0.20 U	4.9	0.20	.93	06/08/22 15:36	
1,2-Dichloropropane	0.20 U	4.9	0.20	.93	06/08/22 15:36	
1,3,5-Trimethylbenzene	0.20 U	4.9	0.20	.93	06/08/22 15:36	
1,3-Dichlorobenzene	0.20 U	4.9	0.20	.93	06/08/22 15:36	
1,3-Dichloropropane	0.20 U	4.9	0.20	.93	06/08/22 15:36	
1,4-Dichlorobenzene	0.22 U	4.9	0.22	.93	06/08/22 15:36	
1,4-Dioxane	20 U	97	20	.93	06/08/22 15:36	
2,2-Dichloropropane	0.20 U	4.9	0.20	.93	06/08/22 15:36	
2-Butanone (MEK)	2.0 U	4.9	2.0	.93	06/08/22 15:36	
2-Chlorotoluene	0.20 U	4.9	0.20	.93	06/08/22 15:36	
2-Hexanone	0.36 U	4.9	0.36	.93	06/08/22 15:36	
4-Chlorotoluene	0.20 U	4.9	0.20	.93	06/08/22 15:36	
4-Isopropyltoluene	0.20 U	4.9	0.20	.93	06/08/22 15:36	
4-Methyl-2-pentanone	0.23 U	4.9	0.23	.93	06/08/22 15:36	
Acetone	15 U	24	15	.93	06/08/22 15:36	
Acrylonitrile	0.87 U	24	0.87	.93	06/08/22 15:36	
Benzene	0.20 U	4.9	0.20	.93	06/08/22 15:36	
Bromobenzene	0.20 U	4.9	0.20	.93	06/08/22 15:36	
Bromochloromethane	0.20 U	4.9	0.20	.93	06/08/22 15:36	
Bromodichloromethane	0.20 U	4.9	0.20	.93	06/08/22 15:36	
Bromoform	0.49 U	4.9	0.49	.93	06/08/22 15:36	
Bromomethane	2.1 U	4.9	2.1	.93	06/08/22 15:36	
Carbon Disulfide	0.29 U	4.9	0.29	.93	06/08/22 15:36	
Carbon Tetrachloride	0.26 U	4.9	0.26	.93	06/08/22 15:36	
Chlorobenzene	0.20 U	4.9	0.20	.93	06/08/22 15:36	
Chloroethane	0.40 U	4.9	0.40	.93	06/08/22 15:36	
Chloroform	0.20 U	4.9	0.20	.93	06/08/22 15:36	
Chloromethane	1.4 U	4.9	1.4	.93	06/08/22 15:36	
Dibromochloromethane	0.20 U	4.9	0.20	.93	06/08/22 15:36	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:35
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-FD-220602	**Units:**	ug/Kg
Lab Code:	R2205037-006	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.20 U	4.9	0.20	.93	06/08/22 15:36	
Dichlorodifluoromethane (CFC 12)	0.33 U	4.9	0.33	.93	06/08/22 15:36	
Methylene Chloride	2.8 U	4.9	2.8	.93	06/08/22 15:36	
Diethyl Ether	0.25 U	4.9	0.25	.93	06/08/22 15:36	
Ethylbenzene	0.98 U	4.9	0.98	.93	06/08/22 15:36	
Hexachlorobutadiene	0.46 U	4.9	0.46	.93	06/08/22 15:36	
Isopropylbenzene (Cumene)	0.20 U	4.9	0.20	.93	06/08/22 15:36	
Methyl tert-Butyl Ether	0.20 U	4.9	0.20	.93	06/08/22 15:36	
Naphthalene	0.97 U	4.9	0.97	.93	06/08/22 15:36	
Styrene	0.98 U	4.9	0.98	.93	06/08/22 15:36	
Tetrachloroethene (PCE)	0.23 U	4.9	0.23	.93	06/08/22 15:36	
Toluene	2.0 U	4.9	2.0	.93	06/08/22 15:36	
Trichloroethene (TCE)	0.22 U	4.9	0.22	.93	06/08/22 15:36	
Trichlorofluoromethane (CFC 11)	0.26 U	4.9	0.26	.93	06/08/22 15:36	
Vinyl Acetate	0.76 U	9.7	0.76	.93	06/08/22 15:36	
Vinyl Chloride	0.45 U	4.9	0.45	.93	06/08/22 15:36	
Xylenes, Total	0.51 U	15	0.51	.93	06/08/22 15:36	
cis-1,2-Dichloroethene	0.20 U	4.9	0.20	.93	06/08/22 15:36	
cis-1,3-Dichloropropene	0.20 U	4.9	0.20	.93	06/08/22 15:36	
m,p-Xylenes	2.0 U	9.7	2.0	.93	06/08/22 15:36	
n-Butylbenzene	0.20 U	4.9	0.20	.93	06/08/22 15:36	
n-Propylbenzene	0.20 U	4.9	0.20	.93	06/08/22 15:36	
o-Xylene	0.98 U	4.9	0.98	.93	06/08/22 15:36	
sec-Butylbenzene	0.20 U	4.9	0.20	.93	06/08/22 15:36	
tert-Butylbenzene	0.20 U	4.9	0.20	.93	06/08/22 15:36	
trans-1,2-Dichloroethene	0.20 U	4.9	0.20	.93	06/08/22 15:36	
trans-1,3-Dichloropropene	0.20 U	4.9	0.20	.93	06/08/22 15:36	
trans-1,4-Dichloro-2-butene	0.22 U	4.9	0.22	.93	06/08/22 15:36	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	31 - 154	06/08/22 15:36	
Dibromofluoromethane	101	63 - 138	06/08/22 15:36	
Toluene-d8	102	66 - 138	06/08/22 15:36	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 13:50
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-5-6-220602	**Units:**	ug/Kg
Lab Code:	R2205037-007	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	4.8	0.20	.85	06/08/22 15:59	
1,1,1-Trichloroethane (TCA)	0.20 U	4.8	0.20	.85	06/08/22 15:59	
1,1,2,2-Tetrachloroethane	0.43 U	4.8	0.43	.85	06/08/22 15:59	
1,1,2-Trichloroethane	0.20 U	4.8	0.20	.85	06/08/22 15:59	
1,1-Dichloroethane (1,1-DCA)	0.20 U	4.8	0.20	.85	06/08/22 15:59	
1,1-Dichloroethene (1,1-DCE)	0.28 U	4.8	0.28	.85	06/08/22 15:59	
1,1-Dichloropropene	0.20 U	4.8	0.20	.85	06/08/22 15:59	
1,2,3-Trichlorobenzene	0.50 U	4.8	0.50	.85	06/08/22 15:59	
1,2,3-Trichloropropane	0.20 U	4.8	0.20	.85	06/08/22 15:59	
1,2,4-Trichlorobenzene	0.41 U	4.8	0.41	.85	06/08/22 15:59	
1,2,4-Trimethylbenzene	0.20 U	4.8	0.20	.85	06/08/22 15:59	
1,2-Dibromo-3-chloropropane (DBCP)	0.72 U	4.8	0.72	.85	06/08/22 15:59	
1,2-Dibromoethane	0.20 U	4.8	0.20	.85	06/08/22 15:59	
1,2-Dichlorobenzene	0.20 U	4.8	0.20	.85	06/08/22 15:59	
1,2-Dichloroethane	0.20 U	4.8	0.20	.85	06/08/22 15:59	
1,2-Dichloropropane	0.20 U	4.8	0.20	.85	06/08/22 15:59	
1,3,5-Trimethylbenzene	0.20 U	4.8	0.20	.85	06/08/22 15:59	
1,3-Dichlorobenzene	0.20 U	4.8	0.20	.85	06/08/22 15:59	
1,3-Dichloropropane	0.20 U	4.8	0.20	.85	06/08/22 15:59	
1,4-Dichlorobenzene	0.22 U	4.8	0.22	.85	06/08/22 15:59	
1,4-Dioxane	20 U	96	20	.85	06/08/22 15:59	
2,2-Dichloropropane	0.20 U	4.8	0.20	.85	06/08/22 15:59	
2-Butanone (MEK)	2.0 U	4.8	2.0	.85	06/08/22 15:59	
2-Chlorotoluene	0.20 U	4.8	0.20	.85	06/08/22 15:59	
2-Hexanone	0.35 U	4.8	0.35	.85	06/08/22 15:59	
4-Chlorotoluene	0.20 U	4.8	0.20	.85	06/08/22 15:59	
4-Isopropyltoluene	0.20 U	4.8	0.20	.85	06/08/22 15:59	
4-Methyl-2-pentanone	0.22 U	4.8	0.22	.85	06/08/22 15:59	
Acetone	15 U	24	15	.85	06/08/22 15:59	
Acrylonitrile	0.86 U	24	0.86	.85	06/08/22 15:59	
Benzene	0.20 U	4.8	0.20	.85	06/08/22 15:59	
Bromobenzene	0.20 U	4.8	0.20	.85	06/08/22 15:59	
Bromochloromethane	0.20 U	4.8	0.20	.85	06/08/22 15:59	
Bromodichloromethane	0.20 U	4.8	0.20	.85	06/08/22 15:59	
Bromoform	0.48 U	4.8	0.48	.85	06/08/22 15:59	
Bromomethane	2.1 U	4.8	2.1	.85	06/08/22 15:59	
Carbon Disulfide	0.28 U	4.8	0.28	.85	06/08/22 15:59	
Carbon Tetrachloride	0.25 U	4.8	0.25	.85	06/08/22 15:59	
Chlorobenzene	0.20 U	4.8	0.20	.85	06/08/22 15:59	
Chloroethane	0.40 U	4.8	0.40	.85	06/08/22 15:59	
Chloroform	0.20 U	4.8	0.20	.85	06/08/22 15:59	
Chloromethane	1.4 U	4.8	1.4	.85	06/08/22 15:59	
Dibromochloromethane	0.20 U	4.8	0.20	.85	06/08/22 15:59	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 13:50
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-5-6-220602	**Units:**	ug/Kg
Lab Code:	R2205037-007	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.20 U	4.8	0.20	.85	06/08/22 15:59	
Dichlorodifluoromethane (CFC 12)	0.32 U	4.8	0.32	.85	06/08/22 15:59	
Methylene Chloride	2.7 U	4.8	2.7	.85	06/08/22 15:59	
Diethyl Ether	0.24 U	4.8	0.24	.85	06/08/22 15:59	
Ethylbenzene	0.96 U	4.8	0.96	.85	06/08/22 15:59	
Hexachlorobutadiene	0.45 U	4.8	0.45	.85	06/08/22 15:59	
Isopropylbenzene (Cumene)	0.20 U	4.8	0.20	.85	06/08/22 15:59	
Methyl tert-Butyl Ether	0.20 U	4.8	0.20	.85	06/08/22 15:59	
Naphthalene	0.95 U	4.8	0.95	.85	06/08/22 15:59	
Styrene	0.96 U	4.8	0.96	.85	06/08/22 15:59	
Tetrachloroethene (PCE)	0.22 U	4.8	0.22	.85	06/08/22 15:59	
Toluene	2.0 U	4.8	2.0	.85	06/08/22 15:59	
Trichloroethene (TCE)	0.22 U	4.8	0.22	.85	06/08/22 15:59	
Trichlorofluoromethane (CFC 11)	0.25 U	4.8	0.25	.85	06/08/22 15:59	
Vinyl Acetate	0.75 U	9.6	0.75	.85	06/08/22 15:59	
Vinyl Chloride	0.44 U	4.8	0.44	.85	06/08/22 15:59	
Xylenes, Total	0.50 U	14	0.50	.85	06/08/22 15:59	
cis-1,2-Dichloroethene	0.20 U	4.8	0.20	.85	06/08/22 15:59	
cis-1,3-Dichloropropene	0.20 U	4.8	0.20	.85	06/08/22 15:59	
m,p-Xylenes	2.0 U	9.6	2.0	.85	06/08/22 15:59	
n-Butylbenzene	0.20 U	4.8	0.20	.85	06/08/22 15:59	
n-Propylbenzene	0.20 U	4.8	0.20	.85	06/08/22 15:59	
o-Xylene	0.96 U	4.8	0.96	.85	06/08/22 15:59	
sec-Butylbenzene	0.20 U	4.8	0.20	.85	06/08/22 15:59	
tert-Butylbenzene	0.20 U	4.8	0.20	.85	06/08/22 15:59	
trans-1,2-Dichloroethene	0.20 U	4.8	0.20	.85	06/08/22 15:59	
trans-1,3-Dichloropropene	0.20 U	4.8	0.20	.85	06/08/22 15:59	
trans-1,4-Dichloro-2-butene	0.22 U	4.8	0.22	.85	06/08/22 15:59	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	31 - 154	06/08/22 15:59	
Dibromofluoromethane	102	63 - 138	06/08/22 15:59	
Toluene-d8	101	66 - 138	06/08/22 15:59	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:20
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-008	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.18 U	4.3	0.18	.77	06/09/22 12:43	
1,1,1-Trichloroethane (TCA)	0.18 U	4.3	0.18	.77	06/09/22 12:43	
1,1,2,2-Tetrachloroethane	0.38 U	4.3	0.38	.77	06/09/22 12:43	
1,1,2-Trichloroethane	0.18 U	4.3	0.18	.77	06/09/22 12:43	
1,1-Dichloroethane (1,1-DCA)	0.18 U	4.3	0.18	.77	06/09/22 12:43	
1,1-Dichloroethene (1,1-DCE)	0.25 U	4.3	0.25	.77	06/09/22 12:43	
1,1-Dichloropropene	0.18 U	4.3	0.18	.77	06/09/22 12:43	
1,2,3-Trichlorobenzene	0.45 U	4.3	0.45	.77	06/09/22 12:43	
1,2,3-Trichloropropane	0.18 U	4.3	0.18	.77	06/09/22 12:43	
1,2,4-Trichlorobenzene	0.36 U	4.3	0.36	.77	06/09/22 12:43	
1,2,4-Trimethylbenzene	0.18 U	4.3	0.18	.77	06/09/22 12:43	
1,2-Dibromo-3-chloropropane (DBCP)	0.65 U	4.3	0.65	.77	06/09/22 12:43	
1,2-Dibromoethane	0.18 U	4.3	0.18	.77	06/09/22 12:43	
1,2-Dichlorobenzene	0.18 U	4.3	0.18	.77	06/09/22 12:43	
1,2-Dichloroethane	0.18 U	4.3	0.18	.77	06/09/22 12:43	
1,2-Dichloropropane	0.18 U	4.3	0.18	.77	06/09/22 12:43	
1,3,5-Trimethylbenzene	0.18 U	4.3	0.18	.77	06/09/22 12:43	
1,3-Dichlorobenzene	0.18 U	4.3	0.18	.77	06/09/22 12:43	
1,3-Dichloropropane	0.18 U	4.3	0.18	.77	06/09/22 12:43	
1,4-Dichlorobenzene	0.19 U	4.3	0.19	.77	06/09/22 12:43	
1,4-Dioxane	18 U	86	18	.77	06/09/22 12:43	
2,2-Dichloropropane	0.18 U	4.3	0.18	.77	06/09/22 12:43	
2-Butanone (MEK)	1.8 U	4.3	1.8	.77	06/09/22 12:43	
2-Chlorotoluene	0.18 U	4.3	0.18	.77	06/09/22 12:43	
2-Hexanone	0.31 U	4.3	0.31	.77	06/09/22 12:43	
4-Chlorotoluene	0.18 U	4.3	0.18	.77	06/09/22 12:43	
4-Isopropyltoluene	0.18 U	4.3	0.18	.77	06/09/22 12:43	
4-Methyl-2-pentanone	0.20 U	4.3	0.20	.77	06/09/22 12:43	
Acetone	13 U	21	13	.77	06/09/22 12:43	
Acrylonitrile	0.77 U	21	0.77	.77	06/09/22 12:43	
Benzene	0.18 U	4.3	0.18	.77	06/09/22 12:43	
Bromobenzene	0.18 U	4.3	0.18	.77	06/09/22 12:43	
Bromochloromethane	0.18 U	4.3	0.18	.77	06/09/22 12:43	
Bromodichloromethane	0.18 U	4.3	0.18	.77	06/09/22 12:43	
Bromoform	0.43 U	4.3	0.43	.77	06/09/22 12:43	
Bromomethane	1.8 U	4.3	1.8	.77	06/09/22 12:43	
Carbon Disulfide	0.25 U	4.3	0.25	.77	06/09/22 12:43	
Carbon Tetrachloride	0.23 U	4.3	0.23	.77	06/09/22 12:43	
Chlorobenzene	0.18 U	4.3	0.18	.77	06/09/22 12:43	
Chloroethane	0.36 U	4.3	0.36	.77	06/09/22 12:43	
Chloroform	0.18 U	4.3	0.18	.77	06/09/22 12:43	
Chloromethane	1.2 U	4.3	1.2	.77	06/09/22 12:43	
Dibromochloromethane	0.18 U	4.3	0.18	.77	06/09/22 12:43	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:20
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-008	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.18 U	4.3	0.18	.77	06/09/22 12:43	
Dichlorodifluoromethane (CFC 12)	0.29 U	4.3	0.29	.77	06/09/22 12:43	
Methylene Chloride	2.4 U	4.3	2.4	.77	06/09/22 12:43	
Diethyl Ether	0.22 U	4.3	0.22	.77	06/09/22 12:43	
Ethylbenzene	0.86 U	4.3	0.86	.77	06/09/22 12:43	
Hexachlorobutadiene	0.41 U	4.3	0.41	.77	06/09/22 12:43	
Isopropylbenzene (Cumene)	0.18 U	4.3	0.18	.77	06/09/22 12:43	
Methyl tert-Butyl Ether	0.18 U	4.3	0.18	.77	06/09/22 12:43	
Naphthalene	0.85 U	4.3	0.85	.77	06/09/22 12:43	
Styrene	0.86 U	4.3	0.86	.77	06/09/22 12:43	
Tetrachloroethene (PCE)	0.20 U	4.3	0.20	.77	06/09/22 12:43	
Toluene	1.8 U	4.3	1.8	.77	06/09/22 12:43	
Trichloroethene (TCE)	0.19 U	4.3	0.19	.77	06/09/22 12:43	
Trichlorofluoromethane (CFC 11)	0.23 U	4.3	0.23	.77	06/09/22 12:43	
Vinyl Acetate	0.67 U	8.6	0.67	.77	06/09/22 12:43	
Vinyl Chloride	0.40 U	4.3	0.40	.77	06/09/22 12:43	
Xylenes, Total	0.45 U	13	0.45	.77	06/09/22 12:43	
cis-1,2-Dichloroethene	0.18 U	4.3	0.18	.77	06/09/22 12:43	
cis-1,3-Dichloropropene	0.18 U	4.3	0.18	.77	06/09/22 12:43	
m,p-Xylenes	1.8 U	8.6	1.8	.77	06/09/22 12:43	
n-Butylbenzene	0.18 U	4.3	0.18	.77	06/09/22 12:43	
n-Propylbenzene	0.18 U	4.3	0.18	.77	06/09/22 12:43	
o-Xylene	0.86 U	4.3	0.86	.77	06/09/22 12:43	
sec-Butylbenzene	0.18 U	4.3	0.18	.77	06/09/22 12:43	
tert-Butylbenzene	0.18 U	4.3	0.18	.77	06/09/22 12:43	
trans-1,2-Dichloroethene	0.18 U	4.3	0.18	.77	06/09/22 12:43	
trans-1,3-Dichloropropene	0.18 U	4.3	0.18	.77	06/09/22 12:43	
trans-1,4-Dichloro-2-butene	0.19 U	4.3	0.19	.77	06/09/22 12:43	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	31 - 154	06/09/22 12:43	
Dibromofluoromethane	103	63 - 138	06/09/22 12:43	
Toluene-d8	102	66 - 138	06/09/22 12:43	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-7-8-220602	**Units:**	ug/Kg
Lab Code:	R2205037-009	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	4.6	0.19	.85	06/08/22 16:46	
1,1,1-Trichloroethane (TCA)	0.19 U	4.6	0.19	.85	06/08/22 16:46	
1,1,2,2-Tetrachloroethane	0.41 U	4.6	0.41	.85	06/08/22 16:46	
1,1,2-Trichloroethane	0.19 U	4.6	0.19	.85	06/08/22 16:46	
1,1-Dichloroethane (1,1-DCA)	0.19 U	4.6	0.19	.85	06/08/22 16:46	
1,1-Dichloroethene (1,1-DCE)	0.27 U	4.6	0.27	.85	06/08/22 16:46	
1,1-Dichloropropene	0.19 U	4.6	0.19	.85	06/08/22 16:46	
1,2,3-Trichlorobenzene	0.48 U	4.6	0.48	.85	06/08/22 16:46	
1,2,3-Trichloropropane	0.19 U	4.6	0.19	.85	06/08/22 16:46	
1,2,4-Trichlorobenzene	0.39 U	4.6	0.39	.85	06/08/22 16:46	
1,2,4-Trimethylbenzene	0.19 U	4.6	0.19	.85	06/08/22 16:46	
1,2-Dibromo-3-chloropropane (DBCP)	0.70 U	4.6	0.70	.85	06/08/22 16:46	
1,2-Dibromoethane	0.19 U	4.6	0.19	.85	06/08/22 16:46	
1,2-Dichlorobenzene	0.19 U	4.6	0.19	.85	06/08/22 16:46	
1,2-Dichloroethane	0.19 U	4.6	0.19	.85	06/08/22 16:46	
1,2-Dichloropropane	0.19 U	4.6	0.19	.85	06/08/22 16:46	
1,3,5-Trimethylbenzene	0.19 U	4.6	0.19	.85	06/08/22 16:46	
1,3-Dichlorobenzene	0.19 U	4.6	0.19	.85	06/08/22 16:46	
1,3-Dichloropropane	0.19 U	4.6	0.19	.85	06/08/22 16:46	
1,4-Dichlorobenzene	0.21 U	4.6	0.21	.85	06/08/22 16:46	
1,4-Dioxane	19 U	92	19	.85	06/08/22 16:46	
2,2-Dichloropropane	0.19 U	4.6	0.19	.85	06/08/22 16:46	
2-Butanone (MEK)	1.9 U	4.6	1.9	.85	06/08/22 16:46	
2-Chlorotoluene	0.19 U	4.6	0.19	.85	06/08/22 16:46	
2-Hexanone	0.34 U	4.6	0.34	.85	06/08/22 16:46	
4-Chlorotoluene	0.19 U	4.6	0.19	.85	06/08/22 16:46	
4-Isopropyltoluene	0.19 U	4.6	0.19	.85	06/08/22 16:46	
4-Methyl-2-pentanone	0.22 U	4.6	0.22	.85	06/08/22 16:46	
Acetone	14 U	23	14	.85	06/08/22 16:46	
Acrylonitrile	0.83 U	23	0.83	.85	06/08/22 16:46	
Benzene	0.19 U	4.6	0.19	.85	06/08/22 16:46	
Bromobenzene	0.19 U	4.6	0.19	.85	06/08/22 16:46	
Bromochloromethane	0.19 U	4.6	0.19	.85	06/08/22 16:46	
Bromodichloromethane	0.19 U	4.6	0.19	.85	06/08/22 16:46	
Bromoform	0.47 U	4.6	0.47	.85	06/08/22 16:46	
Bromomethane	2.0 U	4.6	2.0	.85	06/08/22 16:46	
Carbon Disulfide	0.27 U	4.6	0.27	.85	06/08/22 16:46	
Carbon Tetrachloride	0.24 U	4.6	0.24	.85	06/08/22 16:46	
Chlorobenzene	0.19 U	4.6	0.19	.85	06/08/22 16:46	
Chloroethane	0.38 U	4.6	0.38	.85	06/08/22 16:46	
Chloroform	0.19 U	4.6	0.19	.85	06/08/22 16:46	
Chloromethane	1.3 U	4.6	1.3	.85	06/08/22 16:46	
Dibromochloromethane	0.19 U	4.6	0.19	.85	06/08/22 16:46	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-7-8-220602	**Units:**	ug/Kg
Lab Code:	R2205037-009	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.19 U	4.6	0.19	.85	06/08/22 16:46	
Dichlorodifluoromethane (CFC 12)	0.31 U	4.6	0.31	.85	06/08/22 16:46	
Methylene Chloride	2.6 U	4.6	2.6	.85	06/08/22 16:46	
Diethyl Ether	0.24 U	4.6	0.24	.85	06/08/22 16:46	
Ethylbenzene	0.93 U	4.6	0.93	.85	06/08/22 16:46	
Hexachlorobutadiene	0.44 U	4.6	0.44	.85	06/08/22 16:46	
Isopropylbenzene (Cumene)	0.19 U	4.6	0.19	.85	06/08/22 16:46	
Methyl tert-Butyl Ether	0.19 U	4.6	0.19	.85	06/08/22 16:46	
Naphthalene	0.92 U	4.6	0.92	.85	06/08/22 16:46	
Styrene	0.93 U	4.6	0.93	.85	06/08/22 16:46	
Tetrachloroethene (PCE)	0.22 U	4.6	0.22	.85	06/08/22 16:46	
Toluene	1.9 U	4.6	1.9	.85	06/08/22 16:46	
Trichloroethene (TCE)	0.21 U	4.6	0.21	.85	06/08/22 16:46	
Trichlorofluoromethane (CFC 11)	0.24 U	4.6	0.24	.85	06/08/22 16:46	
Vinyl Acetate	0.72 U	9.2	0.72	.85	06/08/22 16:46	
Vinyl Chloride	0.43 U	4.6	0.43	.85	06/08/22 16:46	
Xylenes, Total	0.48 U	14	0.48	.85	06/08/22 16:46	
cis-1,2-Dichloroethene	0.19 U	4.6	0.19	.85	06/08/22 16:46	
cis-1,3-Dichloropropene	0.19 U	4.6	0.19	.85	06/08/22 16:46	
m,p-Xylenes	1.9 U	9.2	1.9	.85	06/08/22 16:46	
n-Butylbenzene	0.19 U	4.6	0.19	.85	06/08/22 16:46	
n-Propylbenzene	0.19 U	4.6	0.19	.85	06/08/22 16:46	
o-Xylene	0.93 U	4.6	0.93	.85	06/08/22 16:46	
sec-Butylbenzene	0.19 U	4.6	0.19	.85	06/08/22 16:46	
tert-Butylbenzene	0.19 U	4.6	0.19	.85	06/08/22 16:46	
trans-1,2-Dichloroethene	0.19 U	4.6	0.19	.85	06/08/22 16:46	
trans-1,3-Dichloropropene	0.19 U	4.6	0.19	.85	06/08/22 16:46	
trans-1,4-Dichloro-2-butene	0.21 U	4.6	0.21	.85	06/08/22 16:46	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	31 - 154	06/08/22 16:46	
Dibromofluoromethane	100	63 - 138	06/08/22 16:46	
Toluene-d8	101	66 - 138	06/08/22 16:46	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:45
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-8-9-220602	**Units:**	ug/Kg
Lab Code:	R2205037-010	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.16 U	3.8	0.16	.69	06/08/22 17:09	
1,1,1-Trichloroethane (TCA)	0.16 U	3.8	0.16	.69	06/08/22 17:09	
1,1,2,2-Tetrachloroethane	0.34 U	3.8	0.34	.69	06/08/22 17:09	
1,1,2-Trichloroethane	0.16 U	3.8	0.16	.69	06/08/22 17:09	
1,1-Dichloroethane (1,1-DCA)	0.16 U	3.8	0.16	.69	06/08/22 17:09	
1,1-Dichloroethene (1,1-DCE)	0.22 U	3.8	0.22	.69	06/08/22 17:09	
1,1-Dichloropropene	0.16 U	3.8	0.16	.69	06/08/22 17:09	
1,2,3-Trichlorobenzene	0.40 U	3.8	0.40	.69	06/08/22 17:09	
1,2,3-Trichloropropane	0.16 U	3.8	0.16	.69	06/08/22 17:09	
1,2,4-Trichlorobenzene	0.32 U	3.8	0.32	.69	06/08/22 17:09	
1,2,4-Trimethylbenzene	0.16 U	3.8	0.16	.69	06/08/22 17:09	
1,2-Dibromo-3-chloropropane (DBCP)	0.57 U	3.8	0.57	.69	06/08/22 17:09	
1,2-Dibromoethane	0.16 U	3.8	0.16	.69	06/08/22 17:09	
1,2-Dichlorobenzene	0.16 U	3.8	0.16	.69	06/08/22 17:09	
1,2-Dichloroethane	0.16 U	3.8	0.16	.69	06/08/22 17:09	
1,2-Dichloropropane	0.16 U	3.8	0.16	.69	06/08/22 17:09	
1,3,5-Trimethylbenzene	0.16 U	3.8	0.16	.69	06/08/22 17:09	
1,3-Dichlorobenzene	0.16 U	3.8	0.16	.69	06/08/22 17:09	
1,3-Dichloropropane	0.16 U	3.8	0.16	.69	06/08/22 17:09	
1,4-Dichlorobenzene	0.17 U	3.8	0.17	.69	06/08/22 17:09	
1,4-Dioxane	16 U	75	16	.69	06/08/22 17:09	
2,2-Dichloropropane	0.16 U	3.8	0.16	.69	06/08/22 17:09	
2-Butanone (MEK)	1.6 U	3.8	1.6	.69	06/08/22 17:09	
2-Chlorotoluene	0.16 U	3.8	0.16	.69	06/08/22 17:09	
2-Hexanone	0.28 U	3.8	0.28	.69	06/08/22 17:09	
4-Chlorotoluene	0.16 U	3.8	0.16	.69	06/08/22 17:09	
4-Isopropyltoluene	0.16 U	3.8	0.16	.69	06/08/22 17:09	
4-Methyl-2-pentanone	0.18 U	3.8	0.18	.69	06/08/22 17:09	
Acetone	**13 J**	19	12	.69	06/08/22 17:09	
Acrylonitrile	0.67 U	19	0.67	.69	06/08/22 17:09	
Benzene	0.16 U	3.8	0.16	.69	06/08/22 17:09	
Bromobenzene	0.16 U	3.8	0.16	.69	06/08/22 17:09	
Bromochloromethane	0.16 U	3.8	0.16	.69	06/08/22 17:09	
Bromodichloromethane	0.16 U	3.8	0.16	.69	06/08/22 17:09	
Bromoform	0.38 U	3.8	0.38	.69	06/08/22 17:09	
Bromomethane	1.6 U	3.8	1.6	.69	06/08/22 17:09	
Carbon Disulfide	0.22 U	3.8	0.22	.69	06/08/22 17:09	
Carbon Tetrachloride	0.20 U	3.8	0.20	.69	06/08/22 17:09	
Chlorobenzene	0.16 U	3.8	0.16	.69	06/08/22 17:09	
Chloroethane	0.31 U	3.8	0.31	.69	06/08/22 17:09	
Chloroform	0.16 U	3.8	0.16	.69	06/08/22 17:09	
Chloromethane	1.1 U	3.8	1.1	.69	06/08/22 17:09	
Dibromochloromethane	0.16 U	3.8	0.16	.69	06/08/22 17:09	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:45
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-8-9-220602	**Units:**	ug/Kg
Lab Code:	R2205037-010	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.16 U	3.8	0.16	.69	06/08/22 17:09	
Dichlorodifluoromethane (CFC 12)	0.25 U	3.8	0.25	.69	06/08/22 17:09	
Methylene Chloride	2.2 U	3.8	2.2	.69	06/08/22 17:09	
Diethyl Ether	0.19 U	3.8	0.19	.69	06/08/22 17:09	
Ethylbenzene	0.76 U	3.8	0.76	.69	06/08/22 17:09	
Hexachlorobutadiene	0.36 U	3.8	0.36	.69	06/08/22 17:09	
Isopropylbenzene (Cumene)	0.16 U	3.8	0.16	.69	06/08/22 17:09	
Methyl tert-Butyl Ether	0.16 U	3.8	0.16	.69	06/08/22 17:09	
Naphthalene	0.75 U	3.8	0.75	.69	06/08/22 17:09	
Styrene	0.76 U	3.8	0.76	.69	06/08/22 17:09	
Tetrachloroethene (PCE)	0.18 U	3.8	0.18	.69	06/08/22 17:09	
Toluene	1.6 U	3.8	1.6	.69	06/08/22 17:09	
Trichloroethene (TCE)	0.17 U	3.8	0.17	.69	06/08/22 17:09	
Trichlorofluoromethane (CFC 11)	0.20 U	3.8	0.20	.69	06/08/22 17:09	
Vinyl Acetate	0.59 U	7.5	0.59	.69	06/08/22 17:09	
Vinyl Chloride	0.35 U	3.8	0.35	.69	06/08/22 17:09	
Xylenes, Total	0.40 U	11	0.40	.69	06/08/22 17:09	
cis-1,2-Dichloroethene	0.16 U	3.8	0.16	.69	06/08/22 17:09	
cis-1,3-Dichloropropene	0.16 U	3.8	0.16	.69	06/08/22 17:09	
m,p-Xylenes	1.6 U	7.5	1.6	.69	06/08/22 17:09	
n-Butylbenzene	0.16 U	3.8	0.16	.69	06/08/22 17:09	
n-Propylbenzene	0.16 U	3.8	0.16	.69	06/08/22 17:09	
o-Xylene	0.76 U	3.8	0.76	.69	06/08/22 17:09	
sec-Butylbenzene	0.16 U	3.8	0.16	.69	06/08/22 17:09	
tert-Butylbenzene	0.16 U	3.8	0.16	.69	06/08/22 17:09	
trans-1,2-Dichloroethene	0.16 U	3.8	0.16	.69	06/08/22 17:09	
trans-1,3-Dichloropropene	0.16 U	3.8	0.16	.69	06/08/22 17:09	
trans-1,4-Dichloro-2-butene	0.17 U	3.8	0.17	.69	06/08/22 17:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	31 - 154	06/08/22 17:09	
Dibromofluoromethane	102	63 - 138	06/08/22 17:09	
Toluene-d8	100	66 - 138	06/08/22 17:09	

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 11:35
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-5-6-220602	**Units:**	ug/Kg
Lab Code:	R2205037-001	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	78 U	350	78	1	06/08/22 15:58	6/7/22	
2,3,4,6-Tetrachlorophenol	130 U	350	130	1	06/08/22 15:58	6/7/22	
2,4,5-Trichlorophenol	86 U	350	86	1	06/08/22 15:58	6/7/22	
2,4,6-Trichlorophenol	78 U	350	78	1	06/08/22 15:58	6/7/22	
2,4-Dichlorophenol	67 U	350	67	1	06/08/22 15:58	6/7/22	
2,4-Dimethylphenol	63 U	350	63	1	06/08/22 15:58	6/7/22	
2,4-Dinitrophenol	590 U	1800	590	1	06/08/22 15:58	6/7/22	
2,4-Dinitrotoluene	140 U	350	140	1	06/08/22 15:58	6/7/22	
2,6-Dinitrotoluene	76 U	350	76	1	06/08/22 15:58	6/7/22	
2-Chloronaphthalene	70 U	350	70	1	06/08/22 15:58	6/7/22	
2-Chlorophenol	58 U	350	58	1	06/08/22 15:58	6/7/22	
2-Methylnaphthalene	130 U	350	130	1	06/08/22 15:58	6/7/22	
2-Methylphenol	72 U	350	72	1	06/08/22 15:58	6/7/22	
2-Nitroaniline	83 U	1800	83	1	06/08/22 15:58	6/7/22	
2-Nitrophenol	81 U	350	81	1	06/08/22 15:58	6/7/22	
3,3'-Dichlorobenzidine	39 U	350	39	1	06/08/22 15:58	6/7/22	
3- and 4-Methylphenol Coelution	67 U	350	67	1	06/08/22 15:58	6/7/22	
3-Nitroaniline	70 U	1800	70	1	06/08/22 15:58	6/7/22	
4,6-Dinitro-2-methylphenol	200 U	1800	200	1	06/08/22 15:58	6/7/22	
4-Bromophenyl Phenyl Ether	92 U	350	92	1	06/08/22 15:58	6/7/22	
4-Chloro-3-methylphenol	70 U	350	70	1	06/08/22 15:58	6/7/22	
4-Chloroaniline	59 U	350	59	1	06/08/22 15:58	6/7/22	
4-Chlorophenyl Phenyl Ether	75 U	350	75	1	06/08/22 15:58	6/7/22	
4-Nitroaniline	75 U	1800	75	1	06/08/22 15:58	6/7/22	
4-Nitrophenol	70 U	1800	70	1	06/08/22 15:58	6/7/22	
Acenaphthene	66 U	350	66	1	06/08/22 15:58	6/7/22	
Acenaphthylene	71 U	350	71	1	06/08/22 15:58	6/7/22	
Acetophenone	110 U	350	110	1	06/08/22 15:58	6/7/22	
Anthracene	58 U	350	58	1	06/08/22 15:58	6/7/22	
Atrazine	110 U	350	110	1	06/08/22 15:58	6/7/22	
Benz(a)anthracene	52 U	350	52	1	06/08/22 15:58	6/7/22	
Benzaldehyde	84 U	1800	84	1	06/08/22 15:58	6/7/22	
Benzo(a)pyrene	93 U	350	93	1	06/08/22 15:58	6/7/22	
Benzo(b)fluoranthene	58 U	350	58	1	06/08/22 15:58	6/7/22	
Benzo(g,h,i)perylene	80 U	350	80	1	06/08/22 15:58	6/7/22	
Benzo(k)fluoranthene	57 U	350	57	1	06/08/22 15:58	6/7/22	
Biphenyl	110 U	350	110	1	06/08/22 15:58	6/7/22	
2,2'-Oxybis(1-chloropropane)	72 U	350	72	1	06/08/22 15:58	6/7/22	
Bis(2-chloroethoxy)methane	85 U	350	85	1	06/08/22 15:58	6/7/22	
Bis(2-chloroethyl) Ether	69 U	350	69	1	06/08/22 15:58	6/7/22	
Bis(2-ethylhexyl) Phthalate	64 U	530	64	1	06/08/22 15:58	6/7/22	
Butyl Benzyl Phthalate	42 U	350	42	1	06/08/22 15:58	6/7/22	
Caprolactam	77 U	350	77	1	06/08/22 15:58	6/7/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 11:35
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-5-6-220602	**Units:**	ug/Kg
Lab Code:	R2205037-001	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	57 U	350	57	1	06/08/22 15:58	6/7/22	
Chrysene	51 U	350	51	1	06/08/22 15:58	6/7/22	
Di-n-butyl Phthalate	57 U	350	57	1	06/08/22 15:58	6/7/22	
Di-n-octyl Phthalate	130 U	350	130	1	06/08/22 15:58	6/7/22	
Dibenz(a,h)anthracene	76 U	350	76	1	06/08/22 15:58	6/7/22	
Dibenzofuran	64 U	350	64	1	06/08/22 15:58	6/7/22	
Diethyl Phthalate	62 U	350	62	1	06/08/22 15:58	6/7/22	
Dimethyl Phthalate	66 U	350	66	1	06/08/22 15:58	6/7/22	
Fluoranthene	88 U	350	88	1	06/08/22 15:58	6/7/22	
Fluorene	65 U	350	65	1	06/08/22 15:58	6/7/22	
Hexachlorobenzene	84 U	350	84	1	06/08/22 15:58	6/7/22	
Hexachlorobutadiene	130 U	350	130	1	06/08/22 15:58	6/7/22	
Hexachlorocyclopentadiene	120 U	350	120	1	06/08/22 15:58	6/7/22	
Hexachloroethane	65 U	350	65	1	06/08/22 15:58	6/7/22	
Indeno(1,2,3-cd)pyrene	120 U	350	120	1	06/08/22 15:58	6/7/22	
Isophorone	73 U	350	73	1	06/08/22 15:58	6/7/22	
N-Nitrosodi-n-propylamine	110 U	350	110	1	06/08/22 15:58	6/7/22	
N-Nitrosodiphenylamine	220 U	350	220	1	06/08/22 15:58	6/7/22	
Naphthalene	65 U	350	65	1	06/08/22 15:58	6/7/22	
Nitrobenzene	62 U	350	62	1	06/08/22 15:58	6/7/22	
Pentachlorophenol (PCP)	350 U	1800	350	1	06/08/22 15:58	6/7/22	
Phenanthrene	50 U	350	50	1	06/08/22 15:58	6/7/22	
Phenol	70 U	350	70	1	06/08/22 15:58	6/7/22	
Pyrene	58 U	350	58	1	06/08/22 15:58	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	97	15 - 142	06/08/22 15:58	
2-Fluorobiphenyl	77	25 - 114	06/08/22 15:58	
2-Fluorophenol	71	18 - 98	06/08/22 15:58	
Nitrobenzene-d5	69	14 - 104	06/08/22 15:58	
Phenol-d6	73	18 - 103	06/08/22 15:58	
Terphenyl-d14	95	38 - 141	06/08/22 15:58	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 11:35
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-5-6-220602	**Units:**	ug/Kg
Lab Code:	R2205037-001	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	79 U	350	79	1	06/09/22 19:05	6/9/22	
2,3,4,6-Tetrachlorophenol	130 U	350	130	1	06/09/22 19:05	6/9/22	
2,4,5-Trichlorophenol	87 U	350	87	1	06/09/22 19:05	6/9/22	
2,4,6-Trichlorophenol	79 U	350	79	1	06/09/22 19:05	6/9/22	
2,4-Dichlorophenol	68 U	350	68	1	06/09/22 19:05	6/9/22	
2,4-Dimethylphenol	64 U	350	64	1	06/09/22 19:05	6/9/22	
2,4-Dinitrophenol	600 U	1800	600	1	06/09/22 19:05	6/9/22	
2,4-Dinitrotoluene	140 U	350	140	1	06/09/22 19:05	6/9/22	
2,6-Dinitrotoluene	77 U	350	77	1	06/09/22 19:05	6/9/22	
2-Chloronaphthalene	71 U	350	71	1	06/09/22 19:05	6/9/22	
2-Chlorophenol	59 U	350	59	1	06/09/22 19:05	6/9/22	
2-Methylnaphthalene	130 U	350	130	1	06/09/22 19:05	6/9/22	
2-Methylphenol	73 U	350	73	1	06/09/22 19:05	6/9/22	
2-Nitroaniline	84 U	1800	84	1	06/09/22 19:05	6/9/22	
2-Nitrophenol	82 U	350	82	1	06/09/22 19:05	6/9/22	
3,3'-Dichlorobenzidine	40 U	350	40	1	06/09/22 19:05	6/9/22	
3- and 4-Methylphenol Coelution	68 U	350	68	1	06/09/22 19:05	6/9/22	
3-Nitroaniline	71 U	1800	71	1	06/09/22 19:05	6/9/22	
4,6-Dinitro-2-methylphenol	200 U	1800	200	1	06/09/22 19:05	6/9/22	
4-Bromophenyl Phenyl Ether	93 U	350	93	1	06/09/22 19:05	6/9/22	
4-Chloro-3-methylphenol	71 U	350	71	1	06/09/22 19:05	6/9/22	
4-Chloroaniline	60 U	350	60	1	06/09/22 19:05	6/9/22	
4-Chlorophenyl Phenyl Ether	76 U	350	76	1	06/09/22 19:05	6/9/22	
4-Nitroaniline	76 U	1800	76	1	06/09/22 19:05	6/9/22	
4-Nitrophenol	71 U	1800	71	1	06/09/22 19:05	6/9/22	
Acenaphthene	67 U	350	67	1	06/09/22 19:05	6/9/22	
Acenaphthylene	72 U	350	72	1	06/09/22 19:05	6/9/22	
Acetophenone	110 U	350	110	1	06/09/22 19:05	6/9/22	
Anthracene	59 U	350	59	1	06/09/22 19:05	6/9/22	
Atrazine	110 U	350	110	1	06/09/22 19:05	6/9/22	
Benz(a)anthracene	53 U	350	53	1	06/09/22 19:05	6/9/22	
Benzaldehyde	86 U	1800	86	1	06/09/22 19:05	6/9/22	
Benzo(a)pyrene	94 U	350	94	1	06/09/22 19:05	6/9/22	
Benzo(b)fluoranthene	59 U	350	59	1	06/09/22 19:05	6/9/22	
Benzo(g,h,i)perylene	81 U	350	81	1	06/09/22 19:05	6/9/22	
Benzo(k)fluoranthene	57 U	350	57	1	06/09/22 19:05	6/9/22	
Biphenyl	110 U	350	110	1	06/09/22 19:05	6/9/22	
2,2'-Oxybis(1-chloropropane)	73 U	350	73	1	06/09/22 19:05	6/9/22	
Bis(2-chloroethoxy)methane	87 U	350	87	1	06/09/22 19:05	6/9/22	
Bis(2-chloroethyl) Ether	70 U	350	70	1	06/09/22 19:05	6/9/22	
Bis(2-ethylhexyl) Phthalate	65 U	530	65	1	06/09/22 19:05	6/9/22	
Butyl Benzyl Phthalate	43 U	350	43	1	06/09/22 19:05	6/9/22	
Caprolactam	78 U	350	78	1	06/09/22 19:05	6/9/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 11:35
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-5-6-220602	**Units:**	ug/Kg
Lab Code:	R2205037-001	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	57 U	350	57	1	06/09/22 19:05	6/9/22	
Chrysene	52 U	350	52	1	06/09/22 19:05	6/9/22	
Di-n-butyl Phthalate	57 U	350	57	1	06/09/22 19:05	6/9/22	
Di-n-octyl Phthalate	130 U	350	130	1	06/09/22 19:05	6/9/22	
Dibenz(a,h)anthracene	77 U	350	77	1	06/09/22 19:05	6/9/22	
Dibenzofuran	65 U	350	65	1	06/09/22 19:05	6/9/22	
Diethyl Phthalate	63 U	350	63	1	06/09/22 19:05	6/9/22	
Dimethyl Phthalate	67 U	350	67	1	06/09/22 19:05	6/9/22	
Fluoranthene	89 U	350	89	1	06/09/22 19:05	6/9/22	
Fluorene	66 U	350	66	1	06/09/22 19:05	6/9/22	
Hexachlorobenzene	85 U	350	85	1	06/09/22 19:05	6/9/22	
Hexachlorobutadiene	130 U	350	130	1	06/09/22 19:05	6/9/22	
Hexachlorocyclopentadiene	120 U	350	120	1	06/09/22 19:05	6/9/22	
Hexachloroethane	66 U	350	66	1	06/09/22 19:05	6/9/22	
Indeno(1,2,3-cd)pyrene	120 U	350	120	1	06/09/22 19:05	6/9/22	
Isophorone	74 U	350	74	1	06/09/22 19:05	6/9/22	
N-Nitrosodi-n-propylamine	110 U	350	110	1	06/09/22 19:05	6/9/22	
N-Nitrosodiphenylamine	220 U	350	220	1	06/09/22 19:05	6/9/22	
Naphthalene	66 U	350	66	1	06/09/22 19:05	6/9/22	
Nitrobenzene	63 U	350	63	1	06/09/22 19:05	6/9/22	
Pentachlorophenol (PCP)	350 U	1800	350	1	06/09/22 19:05	6/9/22	
Phenanthrene	50 U	350	50	1	06/09/22 19:05	6/9/22	
Phenol	71 U	350	71	1	06/09/22 19:05	6/9/22	
Pyrene	59 U	350	59	1	06/09/22 19:05	6/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	92	15 - 142	06/09/22 19:05	
2-Fluorobiphenyl	73	25 - 114	06/09/22 19:05	
2-Fluorophenol	67	18 - 98	06/09/22 19:05	
Nitrobenzene-d5	65	14 - 104	06/09/22 19:05	
Phenol-d6	67	18 - 103	06/09/22 19:05	
Terphenyl-d14	93	38 - 141	06/09/22 19:05	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 11:45
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	79 U	350	79	1	06/08/22 16:22	6/7/22	
2,3,4,6-Tetrachlorophenol	130 U	350	130	1	06/08/22 16:22	6/7/22	
2,4,5-Trichlorophenol	88 U	350	88	1	06/08/22 16:22	6/7/22	
2,4,6-Trichlorophenol	79 U	350	79	1	06/08/22 16:22	6/7/22	
2,4-Dichlorophenol	68 U	350	68	1	06/08/22 16:22	6/7/22	
2,4-Dimethylphenol	64 U	350	64	1	06/08/22 16:22	6/7/22	
2,4-Dinitrophenol	610 U	1800	610	1	06/08/22 16:22	6/7/22	
2,4-Dinitrotoluene	140 U	350	140	1	06/08/22 16:22	6/7/22	
2,6-Dinitrotoluene	78 U	350	78	1	06/08/22 16:22	6/7/22	
2-Chloronaphthalene	71 U	350	71	1	06/08/22 16:22	6/7/22	
2-Chlorophenol	59 U	350	59	1	06/08/22 16:22	6/7/22	
2-Methylnaphthalene	130 U	350	130	1	06/08/22 16:22	6/7/22	
2-Methylphenol	74 U	350	74	1	06/08/22 16:22	6/7/22	
2-Nitroaniline	84 U	1800	84	1	06/08/22 16:22	6/7/22	
2-Nitrophenol	82 U	350	82	1	06/08/22 16:22	6/7/22	
3,3'-Dichlorobenzidine	40 U	350	40	1	06/08/22 16:22	6/7/22	
3- and 4-Methylphenol Coelution	68 U	350	68	1	06/08/22 16:22	6/7/22	
3-Nitroaniline	71 U	1800	71	1	06/08/22 16:22	6/7/22	
4,6-Dinitro-2-methylphenol	200 U	1800	200	1	06/08/22 16:22	6/7/22	
4-Bromophenyl Phenyl Ether	94 U	350	94	1	06/08/22 16:22	6/7/22	
4-Chloro-3-methylphenol	72 U	350	72	1	06/08/22 16:22	6/7/22	
4-Chloroaniline	60 U	350	60	1	06/08/22 16:22	6/7/22	
4-Chlorophenyl Phenyl Ether	76 U	350	76	1	06/08/22 16:22	6/7/22	
4-Nitroaniline	77 U	1800	77	1	06/08/22 16:22	6/7/22	
4-Nitrophenol	71 U	1800	71	1	06/08/22 16:22	6/7/22	
Acenaphthene	67 U	350	67	1	06/08/22 16:22	6/7/22	
Acenaphthylene	72 U	350	72	1	06/08/22 16:22	6/7/22	
Acetophenone	110 U	350	110	1	06/08/22 16:22	6/7/22	
Anthracene	60 U	350	60	1	06/08/22 16:22	6/7/22	
Atrazine	110 U	350	110	1	06/08/22 16:22	6/7/22	
Benz(a)anthracene	53 U	350	53	1	06/08/22 16:22	6/7/22	
Benzaldehyde	86 U	1800	86	1	06/08/22 16:22	6/7/22	
Benzo(a)pyrene	94 U	350	94	1	06/08/22 16:22	6/7/22	
Benzo(b)fluoranthene	59 U	350	59	1	06/08/22 16:22	6/7/22	
Benzo(g,h,i)perylene	82 U	350	82	1	06/08/22 16:22	6/7/22	
Benzo(k)fluoranthene	58 U	350	58	1	06/08/22 16:22	6/7/22	
Biphenyl	110 U	350	110	1	06/08/22 16:22	6/7/22	
2,2'-Oxybis(1-chloropropane)	73 U	350	73	1	06/08/22 16:22	6/7/22	
Bis(2-chloroethoxy)methane	87 U	350	87	1	06/08/22 16:22	6/7/22	
Bis(2-chloroethyl) Ether	70 U	350	70	1	06/08/22 16:22	6/7/22	
Bis(2-ethylhexyl) Phthalate	65 U	540	65	1	06/08/22 16:22	6/7/22	
Butyl Benzyl Phthalate	43 U	350	43	1	06/08/22 16:22	6/7/22	
Caprolactam	78 U	350	78	1	06/08/22 16:22	6/7/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 11:45
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	58 U	350	58	1	06/08/22 16:22	6/7/22	
Chrysene	52 U	350	52	1	06/08/22 16:22	6/7/22	
Di-n-butyl Phthalate	58 U	350	58	1	06/08/22 16:22	6/7/22	
Di-n-octyl Phthalate	130 U	350	130	1	06/08/22 16:22	6/7/22	
Dibenz(a,h)anthracene	77 U	350	77	1	06/08/22 16:22	6/7/22	
Dibenzofuran	65 U	350	65	1	06/08/22 16:22	6/7/22	
Diethyl Phthalate	63 U	350	63	1	06/08/22 16:22	6/7/22	
Dimethyl Phthalate	68 U	350	68	1	06/08/22 16:22	6/7/22	
Fluoranthene	89 U	350	89	1	06/08/22 16:22	6/7/22	
Fluorene	67 U	350	67	1	06/08/22 16:22	6/7/22	
Hexachlorobenzene	85 U	350	85	1	06/08/22 16:22	6/7/22	
Hexachlorobutadiene	130 U	350	130	1	06/08/22 16:22	6/7/22	
Hexachlorocyclopentadiene	120 U	350	120	1	06/08/22 16:22	6/7/22	
Hexachloroethane	67 U	350	67	1	06/08/22 16:22	6/7/22	
Indeno(1,2,3-cd)pyrene	120 U	350	120	1	06/08/22 16:22	6/7/22	
Isophorone	74 U	350	74	1	06/08/22 16:22	6/7/22	
N-Nitrosodi-n-propylamine	110 U	350	110	1	06/08/22 16:22	6/7/22	
N-Nitrosodiphenylamine	230 U	350	230	1	06/08/22 16:22	6/7/22	
Naphthalene	67 U	350	67	1	06/08/22 16:22	6/7/22	
Nitrobenzene	64 U	350	64	1	06/08/22 16:22	6/7/22	
Pentachlorophenol (PCP)	360 U	1800	360	1	06/08/22 16:22	6/7/22	
Phenanthrene	50 U	350	50	1	06/08/22 16:22	6/7/22	
Phenol	72 U	350	72	1	06/08/22 16:22	6/7/22	
Pyrene	59 U	350	59	1	06/08/22 16:22	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	98	15 - 142	06/08/22 16:22	
2-Fluorobiphenyl	75	25 - 114	06/08/22 16:22	
2-Fluorophenol	68	18 - 98	06/08/22 16:22	
Nitrobenzene-d5	67	14 - 104	06/08/22 16:22	
Phenol-d6	70	18 - 103	06/08/22 16:22	
Terphenyl-d14	101	38 - 141	06/08/22 16:22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 11:45
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	77 U	350	77	1	06/09/22 19:30	6/9/22	
2,3,4,6-Tetrachlorophenol	120 U	350	120	1	06/09/22 19:30	6/9/22	
2,4,5-Trichlorophenol	85 U	350	85	1	06/09/22 19:30	6/9/22	
2,4,6-Trichlorophenol	77 U	350	77	1	06/09/22 19:30	6/9/22	
2,4-Dichlorophenol	67 U	350	67	1	06/09/22 19:30	6/9/22	
2,4-Dimethylphenol	62 U	350	62	1	06/09/22 19:30	6/9/22	
2,4-Dinitrophenol	590 U	1800	590	1	06/09/22 19:30	6/9/22	
2,4-Dinitrotoluene	140 U	350	140	1	06/09/22 19:30	6/9/22	
2,6-Dinitrotoluene	76 U	350	76	1	06/09/22 19:30	6/9/22	
2-Chloronaphthalene	69 U	350	69	1	06/09/22 19:30	6/9/22	
2-Chlorophenol	58 U	350	58	1	06/09/22 19:30	6/9/22	
2-Methylnaphthalene	130 U	350	130	1	06/09/22 19:30	6/9/22	
2-Methylphenol	72 U	350	72	1	06/09/22 19:30	6/9/22	
2-Nitroaniline	82 U	1800	82	1	06/09/22 19:30	6/9/22	
2-Nitrophenol	80 U	350	80	1	06/09/22 19:30	6/9/22	
3,3'-Dichlorobenzidine	39 U	350	39	1	06/09/22 19:30	6/9/22	
3- and 4-Methylphenol Coelution	66 U	350	66	1	06/09/22 19:30	6/9/22	
3-Nitroaniline	70 U	1800	70	1	06/09/22 19:30	6/9/22	
4,6-Dinitro-2-methylphenol	200 U	1800	200	1	06/09/22 19:30	6/9/22	
4-Bromophenyl Phenyl Ether	91 U	350	91	1	06/09/22 19:30	6/9/22	
4-Chloro-3-methylphenol	70 U	350	70	1	06/09/22 19:30	6/9/22	
4-Chloroaniline	59 U	350	59	1	06/09/22 19:30	6/9/22	
4-Chlorophenyl Phenyl Ether	74 U	350	74	1	06/09/22 19:30	6/9/22	
4-Nitroaniline	75 U	1800	75	1	06/09/22 19:30	6/9/22	
4-Nitrophenol	70 U	1800	70	1	06/09/22 19:30	6/9/22	
Acenaphthene	65 U	350	65	1	06/09/22 19:30	6/9/22	
Acenaphthylene	70 U	350	70	1	06/09/22 19:30	6/9/22	
Acetophenone	100 U	350	100	1	06/09/22 19:30	6/9/22	
Anthracene	58 U	350	58	1	06/09/22 19:30	6/9/22	
Atrazine	110 U	350	110	1	06/09/22 19:30	6/9/22	
Benz(a)anthracene	52 U	350	52	1	06/09/22 19:30	6/9/22	
Benzaldehyde	84 U	1800	84	1	06/09/22 19:30	6/9/22	
Benzo(a)pyrene	92 U	350	92	1	06/09/22 19:30	6/9/22	
Benzo(b)fluoranthene	58 U	350	58	1	06/09/22 19:30	6/9/22	
Benzo(g,h,i)perylene	80 U	350	80	1	06/09/22 19:30	6/9/22	
Benzo(k)fluoranthene	56 U	350	56	1	06/09/22 19:30	6/9/22	
Biphenyl	110 U	350	110	1	06/09/22 19:30	6/9/22	
2,2'-Oxybis(1-chloropropane)	71 U	350	71	1	06/09/22 19:30	6/9/22	
Bis(2-chloroethoxy)methane	85 U	350	85	1	06/09/22 19:30	6/9/22	
Bis(2-chloroethyl) Ether	68 U	350	68	1	06/09/22 19:30	6/9/22	
Bis(2-ethylhexyl) Phthalate	63 U	520	63	1	06/09/22 19:30	6/9/22	
Butyl Benzyl Phthalate	42 U	350	42	1	06/09/22 19:30	6/9/22	
Caprolactam	76 U	350	76	1	06/09/22 19:30	6/9/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 11:45
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	56 U	350	56	1	06/09/22 19:30	6/9/22	
Chrysene	51 U	350	51	1	06/09/22 19:30	6/9/22	
Di-n-butyl Phthalate	56 U	350	56	1	06/09/22 19:30	6/9/22	
Di-n-octyl Phthalate	130 U	350	130	1	06/09/22 19:30	6/9/22	
Dibenz(a,h)anthracene	75 U	350	75	1	06/09/22 19:30	6/9/22	
Dibenzofuran	63 U	350	63	1	06/09/22 19:30	6/9/22	
Diethyl Phthalate	62 U	350	62	1	06/09/22 19:30	6/9/22	
Dimethyl Phthalate	66 U	350	66	1	06/09/22 19:30	6/9/22	
Fluoranthene	87 U	350	87	1	06/09/22 19:30	6/9/22	
Fluorene	65 U	350	65	1	06/09/22 19:30	6/9/22	
Hexachlorobenzene	83 U	350	83	1	06/09/22 19:30	6/9/22	
Hexachlorobutadiene	130 U	350	130	1	06/09/22 19:30	6/9/22	
Hexachlorocyclopentadiene	110 U	350	110	1	06/09/22 19:30	6/9/22	
Hexachloroethane	65 U	350	65	1	06/09/22 19:30	6/9/22	
Indeno(1,2,3-cd)pyrene	120 U	350	120	1	06/09/22 19:30	6/9/22	
Isophorone	72 U	350	72	1	06/09/22 19:30	6/9/22	
N-Nitrosodi-n-propylamine	110 U	350	110	1	06/09/22 19:30	6/9/22	
N-Nitrosodiphenylamine	220 U	350	220	1	06/09/22 19:30	6/9/22	
Naphthalene	65 U	350	65	1	06/09/22 19:30	6/9/22	
Nitrobenzene	62 U	350	62	1	06/09/22 19:30	6/9/22	
Pentachlorophenol (PCP)	350 U	1800	350	1	06/09/22 19:30	6/9/22	
Phenanthrene	49 U	350	49	1	06/09/22 19:30	6/9/22	
Phenol	70 U	350	70	1	06/09/22 19:30	6/9/22	
Pyrene	58 U	350	58	1	06/09/22 19:30	6/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	90	15 - 142	06/09/22 19:30	
2-Fluorobiphenyl	65	25 - 114	06/09/22 19:30	
2-Fluorophenol	56	18 - 98	06/09/22 19:30	
Nitrobenzene-d5	55	14 - 104	06/09/22 19:30	
Phenol-d6	57	18 - 103	06/09/22 19:30	
Terphenyl-d14	92	38 - 141	06/09/22 19:30	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:00
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-7-8-220602	**Units:**	ug/Kg
Lab Code:	R2205037-003	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	80 U	360	80	1	06/08/22 16:47	6/7/22	
2,3,4,6-Tetrachlorophenol	130 U	360	130	1	06/08/22 16:47	6/7/22	
2,4,5-Trichlorophenol	89 U	360	89	1	06/08/22 16:47	6/7/22	
2,4,6-Trichlorophenol	80 U	360	80	1	06/08/22 16:47	6/7/22	
2,4-Dichlorophenol	69 U	360	69	1	06/08/22 16:47	6/7/22	
2,4-Dimethylphenol	65 U	360	65	1	06/08/22 16:47	6/7/22	
2,4-Dinitrophenol	610 U	1800	610	1	06/08/22 16:47	6/7/22	
2,4-Dinitrotoluene	140 U	360	140	1	06/08/22 16:47	6/7/22	
2,6-Dinitrotoluene	79 U	360	79	1	06/08/22 16:47	6/7/22	
2-Chloronaphthalene	72 U	360	72	1	06/08/22 16:47	6/7/22	
2-Chlorophenol	60 U	360	60	1	06/08/22 16:47	6/7/22	
2-Methylnaphthalene	130 U	360	130	1	06/08/22 16:47	6/7/22	
2-Methylphenol	75 U	360	75	1	06/08/22 16:47	6/7/22	
2-Nitroaniline	85 U	1800	85	1	06/08/22 16:47	6/7/22	
2-Nitrophenol	83 U	360	83	1	06/08/22 16:47	6/7/22	
3,3'-Dichlorobenzidine	41 U	360	41	1	06/08/22 16:47	6/7/22	
3- and 4-Methylphenol Coelution	69 U	360	69	1	06/08/22 16:47	6/7/22	
3-Nitroaniline	72 U	1800	72	1	06/08/22 16:47	6/7/22	
4,6-Dinitro-2-methylphenol	210 U	1800	210	1	06/08/22 16:47	6/7/22	
4-Bromophenyl Phenyl Ether	95 U	360	95	1	06/08/22 16:47	6/7/22	
4-Chloro-3-methylphenol	73 U	360	73	1	06/08/22 16:47	6/7/22	
4-Chloroaniline	61 U	360	61	1	06/08/22 16:47	6/7/22	
4-Chlorophenyl Phenyl Ether	77 U	360	77	1	06/08/22 16:47	6/7/22	
4-Nitroaniline	78 U	1800	78	1	06/08/22 16:47	6/7/22	
4-Nitrophenol	72 U	1800	72	1	06/08/22 16:47	6/7/22	
Acenaphthene	68 U	360	68	1	06/08/22 16:47	6/7/22	
Acenaphthylene	73 U	360	73	1	06/08/22 16:47	6/7/22	
Acetophenone	110 U	360	110	1	06/08/22 16:47	6/7/22	
Anthracene	60 U	360	60	1	06/08/22 16:47	6/7/22	
Atrazine	110 U	360	110	1	06/08/22 16:47	6/7/22	
Benz(a)anthracene	54 U	360	54	1	06/08/22 16:47	6/7/22	
Benzaldehyde	87 U	1800	87	1	06/08/22 16:47	6/7/22	
Benzo(a)pyrene	96 U	360	96	1	06/08/22 16:47	6/7/22	
Benzo(b)fluoranthene	60 U	360	60	1	06/08/22 16:47	6/7/22	
Benzo(g,h,i)perylene	83 U	360	83	1	06/08/22 16:47	6/7/22	
Benzo(k)fluoranthene	58 U	360	58	1	06/08/22 16:47	6/7/22	
Biphenyl	110 U	360	110	1	06/08/22 16:47	6/7/22	
2,2'-Oxybis(1-chloropropane)	74 U	360	74	1	06/08/22 16:47	6/7/22	
Bis(2-chloroethoxy)methane	88 U	360	88	1	06/08/22 16:47	6/7/22	
Bis(2-chloroethyl) Ether	71 U	360	71	1	06/08/22 16:47	6/7/22	
Bis(2-ethylhexyl) Phthalate	66 U	540	66	1	06/08/22 16:47	6/7/22	
Butyl Benzyl Phthalate	44 U	360	44	1	06/08/22 16:47	6/7/22	
Caprolactam	79 U	360	79	1	06/08/22 16:47	6/7/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:00
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-7-8-220602	**Units:**	ug/Kg
Lab Code:	R2205037-003	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	58 U	360	58	1	06/08/22 16:47	6/7/22	
Chrysene	53 U	360	53	1	06/08/22 16:47	6/7/22	
Di-n-butyl Phthalate	58 U	360	58	1	06/08/22 16:47	6/7/22	
Di-n-octyl Phthalate	130 U	360	130	1	06/08/22 16:47	6/7/22	
Dibenz(a,h)anthracene	78 U	360	78	1	06/08/22 16:47	6/7/22	
Dibenzofuran	66 U	360	66	1	06/08/22 16:47	6/7/22	
Diethyl Phthalate	64 U	360	64	1	06/08/22 16:47	6/7/22	
Dimethyl Phthalate	69 U	360	69	1	06/08/22 16:47	6/7/22	
Fluoranthene	90 U	360	90	1	06/08/22 16:47	6/7/22	
Fluorene	67 U	360	67	1	06/08/22 16:47	6/7/22	
Hexachlorobenzene	86 U	360	86	1	06/08/22 16:47	6/7/22	
Hexachlorobutadiene	130 U	360	130	1	06/08/22 16:47	6/7/22	
Hexachlorocyclopentadiene	120 U	360	120	1	06/08/22 16:47	6/7/22	
Hexachloroethane	67 U	360	67	1	06/08/22 16:47	6/7/22	
Indeno(1,2,3-cd)pyrene	120 U	360	120	1	06/08/22 16:47	6/7/22	
Isophorone	75 U	360	75	1	06/08/22 16:47	6/7/22	
N-Nitrosodi-n-propylamine	110 U	360	110	1	06/08/22 16:47	6/7/22	
N-Nitrosodiphenylamine	230 U	360	230	1	06/08/22 16:47	6/7/22	
Naphthalene	68 U	360	68	1	06/08/22 16:47	6/7/22	
Nitrobenzene	64 U	360	64	1	06/08/22 16:47	6/7/22	
Pentachlorophenol (PCP)	360 U	1800	360	1	06/08/22 16:47	6/7/22	
Phenanthrene	51 U	360	51	1	06/08/22 16:47	6/7/22	
Phenol	72 U	360	72	1	06/08/22 16:47	6/7/22	
Pyrene	60 U	360	60	1	06/08/22 16:47	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	98	15 - 142	06/08/22 16:47	
2-Fluorobiphenyl	78	25 - 114	06/08/22 16:47	
2-Fluorophenol	75	18 - 98	06/08/22 16:47	
Nitrobenzene-d5	73	14 - 104	06/08/22 16:47	
Phenol-d6	75	18 - 103	06/08/22 16:47	
Terphenyl-d14	97	38 - 141	06/08/22 16:47	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:00
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-7-8-220602	**Units:**	ug/Kg
Lab Code:	R2205037-003	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	77 U	350	77	1	06/09/22 19:53	6/9/22	
2,3,4,6-Tetrachlorophenol	130 U	350	130	1	06/09/22 19:53	6/9/22	
2,4,5-Trichlorophenol	86 U	350	86	1	06/09/22 19:53	6/9/22	
2,4,6-Trichlorophenol	78 U	350	78	1	06/09/22 19:53	6/9/22	
2,4-Dichlorophenol	67 U	350	67	1	06/09/22 19:53	6/9/22	
2,4-Dimethylphenol	63 U	350	63	1	06/09/22 19:53	6/9/22	
2,4-Dinitrophenol	590 U	1800	590	1	06/09/22 19:53	6/9/22	
2,4-Dinitrotoluene	140 U	350	140	1	06/09/22 19:53	6/9/22	
2,6-Dinitrotoluene	76 U	350	76	1	06/09/22 19:53	6/9/22	
2-Chloronaphthalene	70 U	350	70	1	06/09/22 19:53	6/9/22	
2-Chlorophenol	58 U	350	58	1	06/09/22 19:53	6/9/22	
2-Methylnaphthalene	130 U	350	130	1	06/09/22 19:53	6/9/22	
2-Methylphenol	72 U	350	72	1	06/09/22 19:53	6/9/22	
2-Nitroaniline	82 U	1800	82	1	06/09/22 19:53	6/9/22	
2-Nitrophenol	81 U	350	81	1	06/09/22 19:53	6/9/22	
3,3'-Dichlorobenzidine	39 U	350	39	1	06/09/22 19:53	6/9/22	
3- and 4-Methylphenol Coelution	67 U	350	67	1	06/09/22 19:53	6/9/22	
3-Nitroaniline	70 U	1800	70	1	06/09/22 19:53	6/9/22	
4,6-Dinitro-2-methylphenol	200 U	1800	200	1	06/09/22 19:53	6/9/22	
4-Bromophenyl Phenyl Ether	92 U	350	92	1	06/09/22 19:53	6/9/22	
4-Chloro-3-methylphenol	70 U	350	70	1	06/09/22 19:53	6/9/22	
4-Chloroaniline	59 U	350	59	1	06/09/22 19:53	6/9/22	
4-Chlorophenyl Phenyl Ether	74 U	350	74	1	06/09/22 19:53	6/9/22	
4-Nitroaniline	75 U	1800	75	1	06/09/22 19:53	6/9/22	
4-Nitrophenol	70 U	1800	70	1	06/09/22 19:53	6/9/22	
Acenaphthene	66 U	350	66	1	06/09/22 19:53	6/9/22	
Acenaphthylene	70 U	350	70	1	06/09/22 19:53	6/9/22	
Acetophenone	100 U	350	100	1	06/09/22 19:53	6/9/22	
Anthracene	58 U	350	58	1	06/09/22 19:53	6/9/22	
Atrazine	110 U	350	110	1	06/09/22 19:53	6/9/22	
Benz(a)anthracene	52 U	350	52	1	06/09/22 19:53	6/9/22	
Benzaldehyde	84 U	1800	84	1	06/09/22 19:53	6/9/22	
Benzo(a)pyrene	93 U	350	93	1	06/09/22 19:53	6/9/22	
Benzo(b)fluoranthene	58 U	350	58	1	06/09/22 19:53	6/9/22	
Benzo(g,h,i)perylene	80 U	350	80	1	06/09/22 19:53	6/9/22	
Benzo(k)fluoranthene	56 U	350	56	1	06/09/22 19:53	6/9/22	
Biphenyl	110 U	350	110	1	06/09/22 19:53	6/9/22	
2,2'-Oxybis(1-chloropropane)	71 U	350	71	1	06/09/22 19:53	6/9/22	
Bis(2-chloroethoxy)methane	85 U	350	85	1	06/09/22 19:53	6/9/22	
Bis(2-chloroethyl) Ether	69 U	350	69	1	06/09/22 19:53	6/9/22	
Bis(2-ethylhexyl) Phthalate	64 U	530	64	1	06/09/22 19:53	6/9/22	
Butyl Benzyl Phthalate	42 U	350	42	1	06/09/22 19:53	6/9/22	
Caprolactam	77 U	350	77	1	06/09/22 19:53	6/9/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:00
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-7-8-220602	**Units:**	ug/Kg
Lab Code:	R2205037-003	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	57 U	350	57	1	06/09/22 19:53	6/9/22	
Chrysene	51 U	350	51	1	06/09/22 19:53	6/9/22	
Di-n-butyl Phthalate	**92 J**	350	56	1	06/09/22 19:53	6/9/22	
Di-n-octyl Phthalate	130 U	350	130	1	06/09/22 19:53	6/9/22	
Dibenz(a,h)anthracene	76 U	350	76	1	06/09/22 19:53	6/9/22	
Dibenzofuran	64 U	350	64	1	06/09/22 19:53	6/9/22	
Diethyl Phthalate	62 U	350	62	1	06/09/22 19:53	6/9/22	
Dimethyl Phthalate	66 U	350	66	1	06/09/22 19:53	6/9/22	
Fluoranthene	87 U	350	87	1	06/09/22 19:53	6/9/22	
Fluorene	65 U	350	65	1	06/09/22 19:53	6/9/22	
Hexachlorobenzene	84 U	350	84	1	06/09/22 19:53	6/9/22	
Hexachlorobutadiene	130 U	350	130	1	06/09/22 19:53	6/9/22	
Hexachlorocyclopentadiene	120 U	350	120	1	06/09/22 19:53	6/9/22	
Hexachloroethane	65 U	350	65	1	06/09/22 19:53	6/9/22	
Indeno(1,2,3-cd)pyrene	120 U	350	120	1	06/09/22 19:53	6/9/22	
Isophorone	73 U	350	73	1	06/09/22 19:53	6/9/22	
N-Nitrosodi-n-propylamine	110 U	350	110	1	06/09/22 19:53	6/9/22	
N-Nitrosodiphenylamine	220 U	350	220	1	06/09/22 19:53	6/9/22	
Naphthalene	65 U	350	65	1	06/09/22 19:53	6/9/22	
Nitrobenzene	62 U	350	62	1	06/09/22 19:53	6/9/22	
Pentachlorophenol (PCP)	350 U	1800	350	1	06/09/22 19:53	6/9/22	
Phenanthrene	49 U	350	49	1	06/09/22 19:53	6/9/22	
Phenol	70 U	350	70	1	06/09/22 19:53	6/9/22	
Pyrene	58 U	350	58	1	06/09/22 19:53	6/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	79	15 - 142	06/09/22 19:53	
2-Fluorobiphenyl	61	25 - 114	06/09/22 19:53	
2-Fluorophenol	56	18 - 98	06/09/22 19:53	
Nitrobenzene-d5	54	14 - 104	06/09/22 19:53	
Phenol-d6	56	18 - 103	06/09/22 19:53	
Terphenyl-d14	77	38 - 141	06/09/22 19:53	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:15
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-8-9-220602	**Units:**	ug/Kg
Lab Code:	R2205037-004	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	75 U	330	75	1	06/08/22 17:11	6/7/22	
2,3,4,6-Tetrachlorophenol	120 U	330	120	1	06/08/22 17:11	6/7/22	
2,4,5-Trichlorophenol	83 U	330	83	1	06/08/22 17:11	6/7/22	
2,4,6-Trichlorophenol	75 U	330	75	1	06/08/22 17:11	6/7/22	
2,4-Dichlorophenol	65 U	330	65	1	06/08/22 17:11	6/7/22	
2,4-Dimethylphenol	60 U	330	60	1	06/08/22 17:11	6/7/22	
2,4-Dinitrophenol	570 U	1700	570	1	06/08/22 17:11	6/7/22	
2,4-Dinitrotoluene	130 U	330	130	1	06/08/22 17:11	6/7/22	
2,6-Dinitrotoluene	73 U	330	73	1	06/08/22 17:11	6/7/22	
2-Chloronaphthalene	67 U	330	67	1	06/08/22 17:11	6/7/22	
2-Chlorophenol	56 U	330	56	1	06/08/22 17:11	6/7/22	
2-Methylnaphthalene	120 U	330	120	1	06/08/22 17:11	6/7/22	
2-Methylphenol	70 U	330	70	1	06/08/22 17:11	6/7/22	
2-Nitroaniline	79 U	1700	79	1	06/08/22 17:11	6/7/22	
2-Nitrophenol	78 U	330	78	1	06/08/22 17:11	6/7/22	
3,3'-Dichlorobenzidine	38 U	330	38	1	06/08/22 17:11	6/7/22	
3- and 4-Methylphenol Coelution	64 U	330	64	1	06/08/22 17:11	6/7/22	
3-Nitroaniline	67 U	1700	67	1	06/08/22 17:11	6/7/22	
4,6-Dinitro-2-methylphenol	190 U	1700	190	1	06/08/22 17:11	6/7/22	
4-Bromophenyl Phenyl Ether	88 U	330	88	1	06/08/22 17:11	6/7/22	
4-Chloro-3-methylphenol	68 U	330	68	1	06/08/22 17:11	6/7/22	
4-Chloroaniline	57 U	330	57	1	06/08/22 17:11	6/7/22	
4-Chlorophenyl Phenyl Ether	72 U	330	72	1	06/08/22 17:11	6/7/22	
4-Nitroaniline	72 U	1700	72	1	06/08/22 17:11	6/7/22	
4-Nitrophenol	67 U	1700	67	1	06/08/22 17:11	6/7/22	
Acenaphthene	64 U	330	64	1	06/08/22 17:11	6/7/22	
Acenaphthylene	68 U	330	68	1	06/08/22 17:11	6/7/22	
Acetophenone	97 U	330	97	1	06/08/22 17:11	6/7/22	
Anthracene	56 U	330	56	1	06/08/22 17:11	6/7/22	
Atrazine	100 U	330	100	1	06/08/22 17:11	6/7/22	
Benz(a)anthracene	50 U	330	50	1	06/08/22 17:11	6/7/22	
Benzaldehyde	81 U	1700	81	1	06/08/22 17:11	6/7/22	
Benzo(a)pyrene	89 U	330	89	1	06/08/22 17:11	6/7/22	
Benzo(b)fluoranthene	56 U	330	56	1	06/08/22 17:11	6/7/22	
Benzo(g,h,i)perylene	77 U	330	77	1	06/08/22 17:11	6/7/22	
Benzo(k)fluoranthene	54 U	330	54	1	06/08/22 17:11	6/7/22	
Biphenyl	99 U	330	99	1	06/08/22 17:11	6/7/22	
2,2'-Oxybis(1-chloropropane)	69 U	330	69	1	06/08/22 17:11	6/7/22	
Bis(2-chloroethoxy)methane	82 U	330	82	1	06/08/22 17:11	6/7/22	
Bis(2-chloroethyl) Ether	66 U	330	66	1	06/08/22 17:11	6/7/22	
Bis(2-ethylhexyl) Phthalate	61 U	510	61	1	06/08/22 17:11	6/7/22	
Butyl Benzyl Phthalate	41 U	330	41	1	06/08/22 17:11	6/7/22	
Caprolactam	74 U	330	74	1	06/08/22 17:11	6/7/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:15
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-8-9-220602	**Units:**	ug/Kg
Lab Code:	R2205037-004	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	55 U	330	55	1	06/08/22 17:11	6/7/22	
Chrysene	50 U	330	50	1	06/08/22 17:11	6/7/22	
Di-n-butyl Phthalate	54 U	330	54	1	06/08/22 17:11	6/7/22	
Di-n-octyl Phthalate	120 U	330	120	1	06/08/22 17:11	6/7/22	
Dibenz(a,h)anthracene	73 U	330	73	1	06/08/22 17:11	6/7/22	
Dibenzofuran	61 U	330	61	1	06/08/22 17:11	6/7/22	
Diethyl Phthalate	60 U	330	60	1	06/08/22 17:11	6/7/22	
Dimethyl Phthalate	64 U	330	64	1	06/08/22 17:11	6/7/22	
Fluoranthene	84 U	330	84	1	06/08/22 17:11	6/7/22	
Fluorene	63 U	330	63	1	06/08/22 17:11	6/7/22	
Hexachlorobenzene	81 U	330	81	1	06/08/22 17:11	6/7/22	
Hexachlorobutadiene	120 U	330	120	1	06/08/22 17:11	6/7/22	
Hexachlorocyclopentadiene	110 U	330	110	1	06/08/22 17:11	6/7/22	
Hexachloroethane	63 U	330	63	1	06/08/22 17:11	6/7/22	
Indeno(1,2,3-cd)pyrene	110 U	330	110	1	06/08/22 17:11	6/7/22	
Isophorone	70 U	330	70	1	06/08/22 17:11	6/7/22	
N-Nitrosodi-n-propylamine	110 U	330	110	1	06/08/22 17:11	6/7/22	
N-Nitrosodiphenylamine	210 U	330	210	1	06/08/22 17:11	6/7/22	
Naphthalene	63 U	330	63	1	06/08/22 17:11	6/7/22	
Nitrobenzene	60 U	330	60	1	06/08/22 17:11	6/7/22	
Pentachlorophenol (PCP)	340 U	1700	340	1	06/08/22 17:11	6/7/22	
Phenanthrene	48 U	330	48	1	06/08/22 17:11	6/7/22	
Phenol	68 U	330	68	1	06/08/22 17:11	6/7/22	
Pyrene	56 U	330	56	1	06/08/22 17:11	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	89	15 - 142	06/08/22 17:11	
2-Fluorobiphenyl	70	25 - 114	06/08/22 17:11	
2-Fluorophenol	62	18 - 98	06/08/22 17:11	
Nitrobenzene-d5	61	14 - 104	06/08/22 17:11	
Phenol-d6	65	18 - 103	06/08/22 17:11	
Terphenyl-d14	89	38 - 141	06/08/22 17:11	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:15
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-8-9-220602	**Units:**	ug/Kg
Lab Code:	R2205037-004	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	76 U	340	76	1	06/09/22 20:17	6/9/22	
2,3,4,6-Tetrachlorophenol	120 U	340	120	1	06/09/22 20:17	6/9/22	
2,4,5-Trichlorophenol	85 U	340	85	1	06/09/22 20:17	6/9/22	
2,4,6-Trichlorophenol	77 U	340	77	1	06/09/22 20:17	6/9/22	
2,4-Dichlorophenol	66 U	340	66	1	06/09/22 20:17	6/9/22	
2,4-Dimethylphenol	62 U	340	62	1	06/09/22 20:17	6/9/22	
2,4-Dinitrophenol	590 U	1800	590	1	06/09/22 20:17	6/9/22	
2,4-Dinitrotoluene	140 U	340	140	1	06/09/22 20:17	6/9/22	
2,6-Dinitrotoluene	75 U	340	75	1	06/09/22 20:17	6/9/22	
2-Chloronaphthalene	69 U	340	69	1	06/09/22 20:17	6/9/22	
2-Chlorophenol	57 U	340	57	1	06/09/22 20:17	6/9/22	
2-Methylnaphthalene	130 U	340	130	1	06/09/22 20:17	6/9/22	
2-Methylphenol	71 U	340	71	1	06/09/22 20:17	6/9/22	
2-Nitroaniline	81 U	1800	81	1	06/09/22 20:17	6/9/22	
2-Nitrophenol	80 U	340	80	1	06/09/22 20:17	6/9/22	
3,3'-Dichlorobenzidine	39 U	340	39	1	06/09/22 20:17	6/9/22	
3- and 4-Methylphenol Coelution	66 U	340	66	1	06/09/22 20:17	6/9/22	
3-Nitroaniline	69 U	1800	69	1	06/09/22 20:17	6/9/22	
4,6-Dinitro-2-methylphenol	200 U	1800	200	1	06/09/22 20:17	6/9/22	
4-Bromophenyl Phenyl Ether	90 U	340	90	1	06/09/22 20:17	6/9/22	
4-Chloro-3-methylphenol	69 U	340	69	1	06/09/22 20:17	6/9/22	
4-Chloroaniline	58 U	340	58	1	06/09/22 20:17	6/9/22	
4-Chlorophenyl Phenyl Ether	73 U	340	73	1	06/09/22 20:17	6/9/22	
4-Nitroaniline	74 U	1800	74	1	06/09/22 20:17	6/9/22	
4-Nitrophenol	69 U	1800	69	1	06/09/22 20:17	6/9/22	
Acenaphthene	65 U	340	65	1	06/09/22 20:17	6/9/22	
Acenaphthylene	70 U	340	70	1	06/09/22 20:17	6/9/22	
Acetophenone	99 U	340	99	1	06/09/22 20:17	6/9/22	
Anthracene	58 U	340	58	1	06/09/22 20:17	6/9/22	
Atrazine	110 U	340	110	1	06/09/22 20:17	6/9/22	
Benz(a)anthracene	51 U	340	51	1	06/09/22 20:17	6/9/22	
Benzaldehyde	83 U	1800	83	1	06/09/22 20:17	6/9/22	
Benzo(a)pyrene	91 U	340	91	1	06/09/22 20:17	6/9/22	
Benzo(b)fluoranthene	57 U	340	57	1	06/09/22 20:17	6/9/22	
Benzo(g,h,i)perylene	79 U	340	79	1	06/09/22 20:17	6/9/22	
Benzo(k)fluoranthene	56 U	340	56	1	06/09/22 20:17	6/9/22	
Biphenyl	110 U	340	110	1	06/09/22 20:17	6/9/22	
2,2'-Oxybis(1-chloropropane)	70 U	340	70	1	06/09/22 20:17	6/9/22	
Bis(2-chloroethoxy)methane	84 U	340	84	1	06/09/22 20:17	6/9/22	
Bis(2-chloroethyl) Ether	68 U	340	68	1	06/09/22 20:17	6/9/22	
Bis(2-ethylhexyl) Phthalate	63 U	520	63	1	06/09/22 20:17	6/9/22	
Butyl Benzyl Phthalate	42 U	340	42	1	06/09/22 20:17	6/9/22	
Caprolactam	76 U	340	76	1	06/09/22 20:17	6/9/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:15
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-8-9-220602	**Units:**	ug/Kg
Lab Code:	R2205037-004	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	56 U	340	56	1	06/09/22 20:17	6/9/22	
Chrysene	51 U	340	51	1	06/09/22 20:17	6/9/22	
Di-n-butyl Phthalate	56 U	340	56	1	06/09/22 20:17	6/9/22	
Di-n-octyl Phthalate	120 U	340	120	1	06/09/22 20:17	6/9/22	
Dibenz(a,h)anthracene	75 U	340	75	1	06/09/22 20:17	6/9/22	
Dibenzofuran	63 U	340	63	1	06/09/22 20:17	6/9/22	
Diethyl Phthalate	61 U	340	61	1	06/09/22 20:17	6/9/22	
Dimethyl Phthalate	65 U	340	65	1	06/09/22 20:17	6/9/22	
Fluoranthene	86 U	340	86	1	06/09/22 20:17	6/9/22	
Fluorene	64 U	340	64	1	06/09/22 20:17	6/9/22	
Hexachlorobenzene	83 U	340	83	1	06/09/22 20:17	6/9/22	
Hexachlorobutadiene	130 U	340	130	1	06/09/22 20:17	6/9/22	
Hexachlorocyclopentadiene	110 U	340	110	1	06/09/22 20:17	6/9/22	
Hexachloroethane	64 U	340	64	1	06/09/22 20:17	6/9/22	
Indeno(1,2,3-cd)pyrene	110 U	340	110	1	06/09/22 20:17	6/9/22	
Isophorone	72 U	340	72	1	06/09/22 20:17	6/9/22	
N-Nitrosodi-n-propylamine	110 U	340	110	1	06/09/22 20:17	6/9/22	
N-Nitrosodiphenylamine	220 U	340	220	1	06/09/22 20:17	6/9/22	
Naphthalene	64 U	340	64	1	06/09/22 20:17	6/9/22	
Nitrobenzene	61 U	340	61	1	06/09/22 20:17	6/9/22	
Pentachlorophenol (PCP)	340 U	1800	340	1	06/09/22 20:17	6/9/22	
Phenanthrene	49 U	340	49	1	06/09/22 20:17	6/9/22	
Phenol	69 U	340	69	1	06/09/22 20:17	6/9/22	
Pyrene	57 U	340	57	1	06/09/22 20:17	6/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	91	15 - 142	06/09/22 20:17	
2-Fluorobiphenyl	64	25 - 114	06/09/22 20:17	
2-Fluorophenol	57	18 - 98	06/09/22 20:17	
Nitrobenzene-d5	55	14 - 104	06/09/22 20:17	
Phenol-d6	56	18 - 103	06/09/22 20:17	
Terphenyl-d14	90	38 - 141	06/09/22 20:17	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-9-10-220602	**Units:**	ug/Kg
Lab Code:	R2205037-005	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	78 U	350	78	1	06/08/22 17:35	6/7/22	
2,3,4,6-Tetrachlorophenol	130 U	350	130	1	06/08/22 17:35	6/7/22	
2,4,5-Trichlorophenol	87 U	350	87	1	06/08/22 17:35	6/7/22	
2,4,6-Trichlorophenol	78 U	350	78	1	06/08/22 17:35	6/7/22	
2,4-Dichlorophenol	68 U	350	68	1	06/08/22 17:35	6/7/22	
2,4-Dimethylphenol	63 U	350	63	1	06/08/22 17:35	6/7/22	
2,4-Dinitrophenol	600 U	1800	600	1	06/08/22 17:35	6/7/22	
2,4-Dinitrotoluene	140 U	350	140	1	06/08/22 17:35	6/7/22	
2,6-Dinitrotoluene	77 U	350	77	1	06/08/22 17:35	6/7/22	
2-Chloronaphthalene	71 U	350	71	1	06/08/22 17:35	6/7/22	
2-Chlorophenol	59 U	350	59	1	06/08/22 17:35	6/7/22	
2-Methylnaphthalene	130 U	350	130	1	06/08/22 17:35	6/7/22	
2-Methylphenol	73 U	350	73	1	06/08/22 17:35	6/7/22	
2-Nitroaniline	83 U	1800	83	1	06/08/22 17:35	6/7/22	
2-Nitrophenol	82 U	350	82	1	06/08/22 17:35	6/7/22	
3,3'-Dichlorobenzidine	40 U	350	40	1	06/08/22 17:35	6/7/22	
3- and 4-Methylphenol Coelution	67 U	350	67	1	06/08/22 17:35	6/7/22	
3-Nitroaniline	71 U	1800	71	1	06/08/22 17:35	6/7/22	
4,6-Dinitro-2-methylphenol	200 U	1800	200	1	06/08/22 17:35	6/7/22	
4-Bromophenyl Phenyl Ether	93 U	350	93	1	06/08/22 17:35	6/7/22	
4-Chloro-3-methylphenol	71 U	350	71	1	06/08/22 17:35	6/7/22	
4-Chloroaniline	60 U	350	60	1	06/08/22 17:35	6/7/22	
4-Chlorophenyl Phenyl Ether	75 U	350	75	1	06/08/22 17:35	6/7/22	
4-Nitroaniline	76 U	1800	76	1	06/08/22 17:35	6/7/22	
4-Nitrophenol	71 U	1800	71	1	06/08/22 17:35	6/7/22	
Acenaphthene	67 U	350	67	1	06/08/22 17:35	6/7/22	
Acenaphthylene	71 U	350	71	1	06/08/22 17:35	6/7/22	
Acetophenone	110 U	350	110	1	06/08/22 17:35	6/7/22	
Anthracene	59 U	350	59	1	06/08/22 17:35	6/7/22	
Atrazine	110 U	350	110	1	06/08/22 17:35	6/7/22	
Benz(a)anthracene	52 U	350	52	1	06/08/22 17:35	6/7/22	
Benzaldehyde	85 U	1800	85	1	06/08/22 17:35	6/7/22	
Benzo(a)pyrene	94 U	350	94	1	06/08/22 17:35	6/7/22	
Benzo(b)fluoranthene	59 U	350	59	1	06/08/22 17:35	6/7/22	
Benzo(g,h,i)perylene	81 U	350	81	1	06/08/22 17:35	6/7/22	
Benzo(k)fluoranthene	57 U	350	57	1	06/08/22 17:35	6/7/22	
Biphenyl	110 U	350	110	1	06/08/22 17:35	6/7/22	
2,2'-Oxybis(1-chloropropane)	72 U	350	72	1	06/08/22 17:35	6/7/22	
Bis(2-chloroethoxy)methane	86 U	350	86	1	06/08/22 17:35	6/7/22	
Bis(2-chloroethyl) Ether	69 U	350	69	1	06/08/22 17:35	6/7/22	
Bis(2-ethylhexyl) Phthalate	64 U	530	64	1	06/08/22 17:35	6/7/22	
Butyl Benzyl Phthalate	43 U	350	43	1	06/08/22 17:35	6/7/22	
Caprolactam	78 U	350	78	1	06/08/22 17:35	6/7/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-9-10-220602	**Units:**	ug/Kg
Lab Code:	R2205037-005	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	57 U	350	57	1	06/08/22 17:35	6/7/22	
Chrysene	52 U	350	52	1	06/08/22 17:35	6/7/22	
Di-n-butyl Phthalate	57 U	350	57	1	06/08/22 17:35	6/7/22	
Di-n-octyl Phthalate	130 U	350	130	1	06/08/22 17:35	6/7/22	
Dibenz(a,h)anthracene	77 U	350	77	1	06/08/22 17:35	6/7/22	
Dibenzofuran	64 U	350	64	1	06/08/22 17:35	6/7/22	
Diethyl Phthalate	63 U	350	63	1	06/08/22 17:35	6/7/22	
Dimethyl Phthalate	67 U	350	67	1	06/08/22 17:35	6/7/22	
Fluoranthene	88 U	350	88	1	06/08/22 17:35	6/7/22	
Fluorene	66 U	350	66	1	06/08/22 17:35	6/7/22	
Hexachlorobenzene	85 U	350	85	1	06/08/22 17:35	6/7/22	
Hexachlorobutadiene	130 U	350	130	1	06/08/22 17:35	6/7/22	
Hexachlorocyclopentadiene	120 U	350	120	1	06/08/22 17:35	6/7/22	
Hexachloroethane	66 U	350	66	1	06/08/22 17:35	6/7/22	
Indeno(1,2,3-cd)pyrene	120 U	350	120	1	06/08/22 17:35	6/7/22	
Isophorone	74 U	350	74	1	06/08/22 17:35	6/7/22	
N-Nitrosodi-n-propylamine	110 U	350	110	1	06/08/22 17:35	6/7/22	
N-Nitrosodiphenylamine	220 U	350	220	1	06/08/22 17:35	6/7/22	
Naphthalene	66 U	350	66	1	06/08/22 17:35	6/7/22	
Nitrobenzene	63 U	350	63	1	06/08/22 17:35	6/7/22	
Pentachlorophenol (PCP)	350 U	1800	350	1	06/08/22 17:35	6/7/22	
Phenanthrene	50 U	350	50	1	06/08/22 17:35	6/7/22	
Phenol	71 U	350	71	1	06/08/22 17:35	6/7/22	
Pyrene	59 U	350	59	1	06/08/22 17:35	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	89	15 - 142	06/08/22 17:35	
2-Fluorobiphenyl	67	25 - 114	06/08/22 17:35	
2-Fluorophenol	62	18 - 98	06/08/22 17:35	
Nitrobenzene-d5	61	14 - 104	06/08/22 17:35	
Phenol-d6	62	18 - 103	06/08/22 17:35	
Terphenyl-d14	90	38 - 141	06/08/22 17:35	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-9-10-220602	**Units:**	ug/Kg
Lab Code:	R2205037-005	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	78 U	350	78	1	06/09/22 20:41	6/9/22	
2,3,4,6-Tetrachlorophenol	130 U	350	130	1	06/09/22 20:41	6/9/22	
2,4,5-Trichlorophenol	86 U	350	86	1	06/09/22 20:41	6/9/22	
2,4,6-Trichlorophenol	78 U	350	78	1	06/09/22 20:41	6/9/22	
2,4-Dichlorophenol	67 U	350	67	1	06/09/22 20:41	6/9/22	
2,4-Dimethylphenol	63 U	350	63	1	06/09/22 20:41	6/9/22	
2,4-Dinitrophenol	600 U	1800	600	1	06/09/22 20:41	6/9/22	
2,4-Dinitrotoluene	140 U	350	140	1	06/09/22 20:41	6/9/22	
2,6-Dinitrotoluene	76 U	350	76	1	06/09/22 20:41	6/9/22	
2-Chloronaphthalene	70 U	350	70	1	06/09/22 20:41	6/9/22	
2-Chlorophenol	58 U	350	58	1	06/09/22 20:41	6/9/22	
2-Methylnaphthalene	130 U	350	130	1	06/09/22 20:41	6/9/22	
2-Methylphenol	72 U	350	72	1	06/09/22 20:41	6/9/22	
2-Nitroaniline	83 U	1800	83	1	06/09/22 20:41	6/9/22	
2-Nitrophenol	81 U	350	81	1	06/09/22 20:41	6/9/22	
3,3'-Dichlorobenzidine	39 U	350	39	1	06/09/22 20:41	6/9/22	
3- and 4-Methylphenol Coelution	67 U	350	67	1	06/09/22 20:41	6/9/22	
3-Nitroaniline	70 U	1800	70	1	06/09/22 20:41	6/9/22	
4,6-Dinitro-2-methylphenol	200 U	1800	200	1	06/09/22 20:41	6/9/22	
4-Bromophenyl Phenyl Ether	92 U	350	92	1	06/09/22 20:41	6/9/22	
4-Chloro-3-methylphenol	71 U	350	71	1	06/09/22 20:41	6/9/22	
4-Chloroaniline	59 U	350	59	1	06/09/22 20:41	6/9/22	
4-Chlorophenyl Phenyl Ether	75 U	350	75	1	06/09/22 20:41	6/9/22	
4-Nitroaniline	75 U	1800	75	1	06/09/22 20:41	6/9/22	
4-Nitrophenol	70 U	1800	70	1	06/09/22 20:41	6/9/22	
Acenaphthene	66 U	350	66	1	06/09/22 20:41	6/9/22	
Acenaphthylene	71 U	350	71	1	06/09/22 20:41	6/9/22	
Acetophenone	110 U	350	110	1	06/09/22 20:41	6/9/22	
Anthracene	59 U	350	59	1	06/09/22 20:41	6/9/22	
Atrazine	110 U	350	110	1	06/09/22 20:41	6/9/22	
Benz(a)anthracene	52 U	350	52	1	06/09/22 20:41	6/9/22	
Benzaldehyde	84 U	1800	84	1	06/09/22 20:41	6/9/22	
Benzo(a)pyrene	93 U	350	93	1	06/09/22 20:41	6/9/22	
Benzo(b)fluoranthene	58 U	350	58	1	06/09/22 20:41	6/9/22	
Benzo(g,h,i)perylene	80 U	350	80	1	06/09/22 20:41	6/9/22	
Benzo(k)fluoranthene	57 U	350	57	1	06/09/22 20:41	6/9/22	
Biphenyl	110 U	350	110	1	06/09/22 20:41	6/9/22	
2,2'-Oxybis(1-chloropropane)	72 U	350	72	1	06/09/22 20:41	6/9/22	
Bis(2-chloroethoxy)methane	85 U	350	85	1	06/09/22 20:41	6/9/22	
Bis(2-chloroethyl) Ether	69 U	350	69	1	06/09/22 20:41	6/9/22	
Bis(2-ethylhexyl) Phthalate	64 U	530	64	1	06/09/22 20:41	6/9/22	
Butyl Benzyl Phthalate	42 U	350	42	1	06/09/22 20:41	6/9/22	
Caprolactam	77 U	350	77	1	06/09/22 20:41	6/9/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-9-10-220602	**Units:**	ug/Kg
Lab Code:	R2205037-005	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	57 U	350	57	1	06/09/22 20:41	6/9/22	
Chrysene	52 U	350	52	1	06/09/22 20:41	6/9/22	
Di-n-butyl Phthalate	**76 J**	350	57	1	06/09/22 20:41	6/9/22	
Di-n-octyl Phthalate	130 U	350	130	1	06/09/22 20:41	6/9/22	
Dibenz(a,h)anthracene	76 U	350	76	1	06/09/22 20:41	6/9/22	
Dibenzofuran	64 U	350	64	1	06/09/22 20:41	6/9/22	
Diethyl Phthalate	62 U	350	62	1	06/09/22 20:41	6/9/22	
Dimethyl Phthalate	67 U	350	67	1	06/09/22 20:41	6/9/22	
Fluoranthene	88 U	350	88	1	06/09/22 20:41	6/9/22	
Fluorene	66 U	350	66	1	06/09/22 20:41	6/9/22	
Hexachlorobenzene	84 U	350	84	1	06/09/22 20:41	6/9/22	
Hexachlorobutadiene	130 U	350	130	1	06/09/22 20:41	6/9/22	
Hexachlorocyclopentadiene	120 U	350	120	1	06/09/22 20:41	6/9/22	
Hexachloroethane	66 U	350	66	1	06/09/22 20:41	6/9/22	
Indeno(1,2,3-cd)pyrene	120 U	350	120	1	06/09/22 20:41	6/9/22	
Isophorone	73 U	350	73	1	06/09/22 20:41	6/9/22	
N-Nitrosodi-n-propylamine	110 U	350	110	1	06/09/22 20:41	6/9/22	
N-Nitrosodiphenylamine	220 U	350	220	1	06/09/22 20:41	6/9/22	
Naphthalene	66 U	350	66	1	06/09/22 20:41	6/9/22	
Nitrobenzene	63 U	350	63	1	06/09/22 20:41	6/9/22	
Pentachlorophenol (PCP)	350 U	1800	350	1	06/09/22 20:41	6/9/22	
Phenanthrene	50 U	350	50	1	06/09/22 20:41	6/9/22	
Phenol	70 U	350	70	1	06/09/22 20:41	6/9/22	
Pyrene	58 U	350	58	1	06/09/22 20:41	6/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	88	15 - 142	06/09/22 20:41	
2-Fluorobiphenyl	71	25 - 114	06/09/22 20:41	
2-Fluorophenol	65	18 - 98	06/09/22 20:41	
Nitrobenzene-d5	63	14 - 104	06/09/22 20:41	
Phenol-d6	65	18 - 103	06/09/22 20:41	
Terphenyl-d14	89	38 - 141	06/09/22 20:41	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:35
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-FD-220602	**Units:**	ug/Kg
Lab Code:	R2205037-006	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	80 U	360	80	1	06/08/22 17:59	6/7/22	
2,3,4,6-Tetrachlorophenol	130 U	360	130	1	06/08/22 17:59	6/7/22	
2,4,5-Trichlorophenol	89 U	360	89	1	06/08/22 17:59	6/7/22	
2,4,6-Trichlorophenol	81 U	360	81	1	06/08/22 17:59	6/7/22	
2,4-Dichlorophenol	70 U	360	70	1	06/08/22 17:59	6/7/22	
2,4-Dimethylphenol	65 U	360	65	1	06/08/22 17:59	6/7/22	
2,4-Dinitrophenol	620 U	1900	620	1	06/08/22 17:59	6/7/22	
2,4-Dinitrotoluene	140 U	360	140	1	06/08/22 17:59	6/7/22	
2,6-Dinitrotoluene	79 U	360	79	1	06/08/22 17:59	6/7/22	
2-Chloronaphthalene	72 U	360	72	1	06/08/22 17:59	6/7/22	
2-Chlorophenol	60 U	360	60	1	06/08/22 17:59	6/7/22	
2-Methylnaphthalene	130 U	360	130	1	06/08/22 17:59	6/7/22	
2-Methylphenol	75 U	360	75	1	06/08/22 17:59	6/7/22	
2-Nitroaniline	86 U	1900	86	1	06/08/22 17:59	6/7/22	
2-Nitrophenol	84 U	360	84	1	06/08/22 17:59	6/7/22	
3,3'-Dichlorobenzidine	41 U	360	41	1	06/08/22 17:59	6/7/22	
3- and 4-Methylphenol Coelution	69 U	360	69	1	06/08/22 17:59	6/7/22	
3-Nitroaniline	73 U	1900	73	1	06/08/22 17:59	6/7/22	
4,6-Dinitro-2-methylphenol	210 U	1900	210	1	06/08/22 17:59	6/7/22	
4-Bromophenyl Phenyl Ether	95 U	360	95	1	06/08/22 17:59	6/7/22	
4-Chloro-3-methylphenol	73 U	360	73	1	06/08/22 17:59	6/7/22	
4-Chloroaniline	61 U	360	61	1	06/08/22 17:59	6/7/22	
4-Chlorophenyl Phenyl Ether	77 U	360	77	1	06/08/22 17:59	6/7/22	
4-Nitroaniline	78 U	1900	78	1	06/08/22 17:59	6/7/22	
4-Nitrophenol	73 U	1900	73	1	06/08/22 17:59	6/7/22	
Acenaphthene	68 U	360	68	1	06/08/22 17:59	6/7/22	
Acenaphthylene	73 U	360	73	1	06/08/22 17:59	6/7/22	
Acetophenone	110 U	360	110	1	06/08/22 17:59	6/7/22	
Anthracene	61 U	360	61	1	06/08/22 17:59	6/7/22	
Atrazine	110 U	360	110	1	06/08/22 17:59	6/7/22	
Benz(a)anthracene	54 U	360	54	1	06/08/22 17:59	6/7/22	
Benzaldehyde	87 U	1900	87	1	06/08/22 17:59	6/7/22	
Benzo(a)pyrene	96 U	360	96	1	06/08/22 17:59	6/7/22	
Benzo(b)fluoranthene	60 U	360	60	1	06/08/22 17:59	6/7/22	
Benzo(g,h,i)perylene	83 U	360	83	1	06/08/22 17:59	6/7/22	
Benzo(k)fluoranthene	59 U	360	59	1	06/08/22 17:59	6/7/22	
Biphenyl	110 U	360	110	1	06/08/22 17:59	6/7/22	
2,2'-Oxybis(1-chloropropane)	74 U	360	74	1	06/08/22 17:59	6/7/22	
Bis(2-chloroethoxy)methane	88 U	360	88	1	06/08/22 17:59	6/7/22	
Bis(2-chloroethyl) Ether	71 U	360	71	1	06/08/22 17:59	6/7/22	
Bis(2-ethylhexyl) Phthalate	66 U	550	66	1	06/08/22 17:59	6/7/22	
Butyl Benzyl Phthalate	44 U	360	44	1	06/08/22 17:59	6/7/22	
Caprolactam	80 U	360	80	1	06/08/22 17:59	6/7/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:35
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-FD-220602	**Units:**	ug/Kg
Lab Code:	R2205037-006	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	59 U	360	59	1	06/08/22 17:59	6/7/22	
Chrysene	53 U	360	53	1	06/08/22 17:59	6/7/22	
Di-n-butyl Phthalate	59 U	360	59	1	06/08/22 17:59	6/7/22	
Di-n-octyl Phthalate	130 U	360	130	1	06/08/22 17:59	6/7/22	
Dibenz(a,h)anthracene	79 U	360	79	1	06/08/22 17:59	6/7/22	
Dibenzofuran	66 U	360	66	1	06/08/22 17:59	6/7/22	
Diethyl Phthalate	64 U	360	64	1	06/08/22 17:59	6/7/22	
Dimethyl Phthalate	69 U	360	69	1	06/08/22 17:59	6/7/22	
Fluoranthene	91 U	360	91	1	06/08/22 17:59	6/7/22	
Fluorene	68 U	360	68	1	06/08/22 17:59	6/7/22	
Hexachlorobenzene	87 U	360	87	1	06/08/22 17:59	6/7/22	
Hexachlorobutadiene	130 U	360	130	1	06/08/22 17:59	6/7/22	
Hexachlorocyclopentadiene	120 U	360	120	1	06/08/22 17:59	6/7/22	
Hexachloroethane	68 U	360	68	1	06/08/22 17:59	6/7/22	
Indeno(1,2,3-cd)pyrene	120 U	360	120	1	06/08/22 17:59	6/7/22	
Isophorone	76 U	360	76	1	06/08/22 17:59	6/7/22	
N-Nitrosodi-n-propylamine	120 U	360	120	1	06/08/22 17:59	6/7/22	
N-Nitrosodiphenylamine	230 U	360	230	1	06/08/22 17:59	6/7/22	
Naphthalene	68 U	360	68	1	06/08/22 17:59	6/7/22	
Nitrobenzene	65 U	360	65	1	06/08/22 17:59	6/7/22	
Pentachlorophenol (PCP)	360 U	1900	360	1	06/08/22 17:59	6/7/22	
Phenanthrene	51 U	360	51	1	06/08/22 17:59	6/7/22	
Phenol	73 U	360	73	1	06/08/22 17:59	6/7/22	
Pyrene	60 U	360	60	1	06/08/22 17:59	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	81	15 - 142	06/08/22 17:59	
2-Fluorobiphenyl	64	25 - 114	06/08/22 17:59	
2-Fluorophenol	61	18 - 98	06/08/22 17:59	
Nitrobenzene-d5	59	14 - 104	06/08/22 17:59	
Phenol-d6	60	18 - 103	06/08/22 17:59	
Terphenyl-d14	81	38 - 141	06/08/22 17:59	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:35
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-FD-220602	**Units:**	ug/Kg
Lab Code:	R2205037-006	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	75 U	340	75	1	06/09/22 21:06	6/9/22	
2,3,4,6-Tetrachlorophenol	120 U	340	120	1	06/09/22 21:06	6/9/22	
2,4,5-Trichlorophenol	84 U	340	84	1	06/09/22 21:06	6/9/22	
2,4,6-Trichlorophenol	76 U	340	76	1	06/09/22 21:06	6/9/22	
2,4-Dichlorophenol	65 U	340	65	1	06/09/22 21:06	6/9/22	
2,4-Dimethylphenol	61 U	340	61	1	06/09/22 21:06	6/9/22	
2,4-Dinitrophenol	580 U	1700	580	1	06/09/22 21:06	6/9/22	
2,4-Dinitrotoluene	130 U	340	130	1	06/09/22 21:06	6/9/22	
2,6-Dinitrotoluene	74 U	340	74	1	06/09/22 21:06	6/9/22	
2-Chloronaphthalene	68 U	340	68	1	06/09/22 21:06	6/9/22	
2-Chlorophenol	57 U	340	57	1	06/09/22 21:06	6/9/22	
2-Methylnaphthalene	120 U	340	120	1	06/09/22 21:06	6/9/22	
2-Methylphenol	70 U	340	70	1	06/09/22 21:06	6/9/22	
2-Nitroaniline	80 U	1700	80	1	06/09/22 21:06	6/9/22	
2-Nitrophenol	79 U	340	79	1	06/09/22 21:06	6/9/22	
3,3'-Dichlorobenzidine	38 U	340	38	1	06/09/22 21:06	6/9/22	
3- and 4-Methylphenol Coelution	65 U	340	65	1	06/09/22 21:06	6/9/22	
3-Nitroaniline	68 U	1700	68	1	06/09/22 21:06	6/9/22	
4,6-Dinitro-2-methylphenol	200 U	1700	200	1	06/09/22 21:06	6/9/22	
4-Bromophenyl Phenyl Ether	89 U	340	89	1	06/09/22 21:06	6/9/22	
4-Chloro-3-methylphenol	68 U	340	68	1	06/09/22 21:06	6/9/22	
4-Chloroaniline	57 U	340	57	1	06/09/22 21:06	6/9/22	
4-Chlorophenyl Phenyl Ether	73 U	340	73	1	06/09/22 21:06	6/9/22	
4-Nitroaniline	73 U	1700	73	1	06/09/22 21:06	6/9/22	
4-Nitrophenol	68 U	1700	68	1	06/09/22 21:06	6/9/22	
Acenaphthene	64 U	340	64	1	06/09/22 21:06	6/9/22	
Acenaphthylene	69 U	340	69	1	06/09/22 21:06	6/9/22	
Acetophenone	98 U	340	98	1	06/09/22 21:06	6/9/22	
Anthracene	57 U	340	57	1	06/09/22 21:06	6/9/22	
Atrazine	110 U	340	110	1	06/09/22 21:06	6/9/22	
Benz(a)anthracene	51 U	340	51	1	06/09/22 21:06	6/9/22	
Benzaldehyde	82 U	1700	82	1	06/09/22 21:06	6/9/22	
Benzo(a)pyrene	90 U	340	90	1	06/09/22 21:06	6/9/22	
Benzo(b)fluoranthene	57 U	340	57	1	06/09/22 21:06	6/9/22	
Benzo(g,h,i)perylene	78 U	340	78	1	06/09/22 21:06	6/9/22	
Benzo(k)fluoranthene	55 U	340	55	1	06/09/22 21:06	6/9/22	
Biphenyl	100 U	340	100	1	06/09/22 21:06	6/9/22	
2,2'-Oxybis(1-chloropropane)	70 U	340	70	1	06/09/22 21:06	6/9/22	
Bis(2-chloroethoxy)methane	83 U	340	83	1	06/09/22 21:06	6/9/22	
Bis(2-chloroethyl) Ether	67 U	340	67	1	06/09/22 21:06	6/9/22	
Bis(2-ethylhexyl) Phthalate	62 U	510	62	1	06/09/22 21:06	6/9/22	
Butyl Benzyl Phthalate	41 U	340	41	1	06/09/22 21:06	6/9/22	
Caprolactam	75 U	340	75	1	06/09/22 21:06	6/9/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:35
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-FD-220602	**Units:**	ug/Kg
Lab Code:	R2205037-006	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	55 U	340	55	1	06/09/22 21:06	6/9/22	
Chrysene	50 U	340	50	1	06/09/22 21:06	6/9/22	
Di-n-butyl Phthalate	55 U	340	55	1	06/09/22 21:06	6/9/22	
Di-n-octyl Phthalate	120 U	340	120	1	06/09/22 21:06	6/9/22	
Dibenz(a,h)anthracene	74 U	340	74	1	06/09/22 21:06	6/9/22	
Dibenzofuran	62 U	340	62	1	06/09/22 21:06	6/9/22	
Diethyl Phthalate	60 U	340	60	1	06/09/22 21:06	6/9/22	
Dimethyl Phthalate	65 U	340	65	1	06/09/22 21:06	6/9/22	
Fluoranthene	85 U	340	85	1	06/09/22 21:06	6/9/22	
Fluorene	64 U	340	64	1	06/09/22 21:06	6/9/22	
Hexachlorobenzene	81 U	340	81	1	06/09/22 21:06	6/9/22	
Hexachlorobutadiene	120 U	340	120	1	06/09/22 21:06	6/9/22	
Hexachlorocyclopentadiene	110 U	340	110	1	06/09/22 21:06	6/9/22	
Hexachloroethane	64 U	340	64	1	06/09/22 21:06	6/9/22	
Indeno(1,2,3-cd)pyrene	110 U	340	110	1	06/09/22 21:06	6/9/22	
Isophorone	71 U	340	71	1	06/09/22 21:06	6/9/22	
N-Nitrosodi-n-propylamine	110 U	340	110	1	06/09/22 21:06	6/9/22	
N-Nitrosodiphenylamine	220 U	340	220	1	06/09/22 21:06	6/9/22	
Naphthalene	64 U	340	64	1	06/09/22 21:06	6/9/22	
Nitrobenzene	61 U	340	61	1	06/09/22 21:06	6/9/22	
Pentachlorophenol (PCP)	340 U	1700	340	1	06/09/22 21:06	6/9/22	
Phenanthrene	48 U	340	48	1	06/09/22 21:06	6/9/22	
Phenol	68 U	340	68	1	06/09/22 21:06	6/9/22	
Pyrene	57 U	340	57	1	06/09/22 21:06	6/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	92	15 - 142	06/09/22 21:06	
2-Fluorobiphenyl	67	25 - 114	06/09/22 21:06	
2-Fluorophenol	59	18 - 98	06/09/22 21:06	
Nitrobenzene-d5	57	14 - 104	06/09/22 21:06	
Phenol-d6	60	18 - 103	06/09/22 21:06	
Terphenyl-d14	94	38 - 141	06/09/22 21:06	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 13:50
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-5-6-220602	**Units:**	ug/Kg
Lab Code:	R2205037-007	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	83 U	370	83	1	06/08/22 18:23	6/7/22	
2,3,4,6-Tetrachlorophenol	130 U	370	130	1	06/08/22 18:23	6/7/22	
2,4,5-Trichlorophenol	92 U	370	92	1	06/08/22 18:23	6/7/22	
2,4,6-Trichlorophenol	83 U	370	83	1	06/08/22 18:23	6/7/22	
2,4-Dichlorophenol	72 U	370	72	1	06/08/22 18:23	6/7/22	
2,4-Dimethylphenol	67 U	370	67	1	06/08/22 18:23	6/7/22	
2,4-Dinitrophenol	630 U	1900	630	1	06/08/22 18:23	6/7/22	
2,4-Dinitrotoluene	150 U	370	150	1	06/08/22 18:23	6/7/22	
2,6-Dinitrotoluene	81 U	370	81	1	06/08/22 18:23	6/7/22	
2-Chloronaphthalene	75 U	370	75	1	06/08/22 18:23	6/7/22	
2-Chlorophenol	62 U	370	62	1	06/08/22 18:23	6/7/22	
2-Methylnaphthalene	140 U	370	140	1	06/08/22 18:23	6/7/22	
2-Methylphenol	77 U	370	77	1	06/08/22 18:23	6/7/22	
2-Nitroaniline	88 U	1900	88	1	06/08/22 18:23	6/7/22	
2-Nitrophenol	86 U	370	86	1	06/08/22 18:23	6/7/22	
3,3'-Dichlorobenzidine	42 U	370	42	1	06/08/22 18:23	6/7/22	
3- and 4-Methylphenol Coelution	71 U	370	71	1	06/08/22 18:23	6/7/22	
3-Nitroaniline	75 U	1900	75	1	06/08/22 18:23	6/7/22	
4,6-Dinitro-2-methylphenol	210 U	1900	210	1	06/08/22 18:23	6/7/22	
4-Bromophenyl Phenyl Ether	98 U	370	98	1	06/08/22 18:23	6/7/22	
4-Chloro-3-methylphenol	75 U	370	75	1	06/08/22 18:23	6/7/22	
4-Chloroaniline	63 U	370	63	1	06/08/22 18:23	6/7/22	
4-Chlorophenyl Phenyl Ether	80 U	370	80	1	06/08/22 18:23	6/7/22	
4-Nitroaniline	80 U	1900	80	1	06/08/22 18:23	6/7/22	
4-Nitrophenol	75 U	1900	75	1	06/08/22 18:23	6/7/22	
Acenaphthene	70 U	370	70	1	06/08/22 18:23	6/7/22	
Acenaphthylene	75 U	370	75	1	06/08/22 18:23	6/7/22	
Acetophenone	110 U	370	110	1	06/08/22 18:23	6/7/22	
Anthracene	62 U	370	62	1	06/08/22 18:23	6/7/22	
Atrazine	120 U	370	120	1	06/08/22 18:23	6/7/22	
Benz(a)anthracene	55 U	370	55	1	06/08/22 18:23	6/7/22	
Benzaldehyde	90 U	1900	90	1	06/08/22 18:23	6/7/22	
Benzo(a)pyrene	99 U	370	99	1	06/08/22 18:23	6/7/22	
Benzo(b)fluoranthene	62 U	370	62	1	06/08/22 18:23	6/7/22	
Benzo(g,h,i)perylene	86 U	370	86	1	06/08/22 18:23	6/7/22	
Benzo(k)fluoranthene	60 U	370	60	1	06/08/22 18:23	6/7/22	
Biphenyl	110 U	370	110	1	06/08/22 18:23	6/7/22	
2,2'-Oxybis(1-chloropropane)	76 U	370	76	1	06/08/22 18:23	6/7/22	
Bis(2-chloroethoxy)methane	91 U	370	91	1	06/08/22 18:23	6/7/22	
Bis(2-chloroethyl) Ether	73 U	370	73	1	06/08/22 18:23	6/7/22	
Bis(2-ethylhexyl) Phthalate	68 U	560	68	1	06/08/22 18:23	6/7/22	
Butyl Benzyl Phthalate	45 U	370	45	1	06/08/22 18:23	6/7/22	
Caprolactam	82 U	370	82	1	06/08/22 18:23	6/7/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 13:50
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-5-6-220602	**Units:**	ug/Kg
Lab Code:	R2205037-007	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	60 U	370	60	1	06/08/22 18:23	6/7/22	
Chrysene	55 U	370	55	1	06/08/22 18:23	6/7/22	
Di-n-butyl Phthalate	60 U	370	60	1	06/08/22 18:23	6/7/22	
Di-n-octyl Phthalate	130 U	370	130	1	06/08/22 18:23	6/7/22	
Dibenz(a,h)anthracene	81 U	370	81	1	06/08/22 18:23	6/7/22	
Dibenzofuran	68 U	370	68	1	06/08/22 18:23	6/7/22	
Diethyl Phthalate	66 U	370	66	1	06/08/22 18:23	6/7/22	
Dimethyl Phthalate	71 U	370	71	1	06/08/22 18:23	6/7/22	
Fluoranthene	93 U	370	93	1	06/08/22 18:23	6/7/22	
Fluorene	70 U	370	70	1	06/08/22 18:23	6/7/22	
Hexachlorobenzene	89 U	370	89	1	06/08/22 18:23	6/7/22	
Hexachlorobutadiene	140 U	370	140	1	06/08/22 18:23	6/7/22	
Hexachlorocyclopentadiene	120 U	370	120	1	06/08/22 18:23	6/7/22	
Hexachloroethane	70 U	370	70	1	06/08/22 18:23	6/7/22	
Indeno(1,2,3-cd)pyrene	120 U	370	120	1	06/08/22 18:23	6/7/22	
Isophorone	78 U	370	78	1	06/08/22 18:23	6/7/22	
N-Nitrosodi-n-propylamine	120 U	370	120	1	06/08/22 18:23	6/7/22	
N-Nitrosodiphenylamine	240 U	370	240	1	06/08/22 18:23	6/7/22	
Naphthalene	70 U	370	70	1	06/08/22 18:23	6/7/22	
Nitrobenzene	67 U	370	67	1	06/08/22 18:23	6/7/22	
Pentachlorophenol (PCP)	370 U	1900	370	1	06/08/22 18:23	6/7/22	
Phenanthrene	53 U	370	53	1	06/08/22 18:23	6/7/22	
Phenol	75 U	370	75	1	06/08/22 18:23	6/7/22	
Pyrene	62 U	370	62	1	06/08/22 18:23	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	87	15 - 142	06/08/22 18:23	
2-Fluorobiphenyl	75	25 - 114	06/08/22 18:23	
2-Fluorophenol	70	18 - 98	06/08/22 18:23	
Nitrobenzene-d5	69	14 - 104	06/08/22 18:23	
Phenol-d6	71	18 - 103	06/08/22 18:23	
Terphenyl-d14	90	38 - 141	06/08/22 18:23	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 13:50
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-5-6-220602	**Units:**	ug/Kg
Lab Code:	R2205037-007	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	84 U	380	84	1	06/09/22 21:30	6/9/22	
2,3,4,6-Tetrachlorophenol	140 U	380	140	1	06/09/22 21:30	6/9/22	
2,4,5-Trichlorophenol	94 U	380	94	1	06/09/22 21:30	6/9/22	
2,4,6-Trichlorophenol	85 U	380	85	1	06/09/22 21:30	6/9/22	
2,4-Dichlorophenol	73 U	380	73	1	06/09/22 21:30	6/9/22	
2,4-Dimethylphenol	68 U	380	68	1	06/09/22 21:30	6/9/22	
2,4-Dinitrophenol	650 U	1900	650	1	06/09/22 21:30	6/9/22	
2,4-Dinitrotoluene	150 U	380	150	1	06/09/22 21:30	6/9/22	
2,6-Dinitrotoluene	83 U	380	83	1	06/09/22 21:30	6/9/22	
2-Chloronaphthalene	76 U	380	76	1	06/09/22 21:30	6/9/22	
2-Chlorophenol	63 U	380	63	1	06/09/22 21:30	6/9/22	
2-Methylnaphthalene	140 U	380	140	1	06/09/22 21:30	6/9/22	
2-Methylphenol	79 U	380	79	1	06/09/22 21:30	6/9/22	
2-Nitroaniline	90 U	1900	90	1	06/09/22 21:30	6/9/22	
2-Nitrophenol	88 U	380	88	1	06/09/22 21:30	6/9/22	
3,3'-Dichlorobenzidine	43 U	380	43	1	06/09/22 21:30	6/9/22	
3- and 4-Methylphenol Coelution	73 U	380	73	1	06/09/22 21:30	6/9/22	
3-Nitroaniline	76 U	1900	76	1	06/09/22 21:30	6/9/22	
4,6-Dinitro-2-methylphenol	220 U	1900	220	1	06/09/22 21:30	6/9/22	
4-Bromophenyl Phenyl Ether	100 U	380	100	1	06/09/22 21:30	6/9/22	
4-Chloro-3-methylphenol	77 U	380	77	1	06/09/22 21:30	6/9/22	
4-Chloroaniline	64 U	380	64	1	06/09/22 21:30	6/9/22	
4-Chlorophenyl Phenyl Ether	81 U	380	81	1	06/09/22 21:30	6/9/22	
4-Nitroaniline	82 U	1900	82	1	06/09/22 21:30	6/9/22	
4-Nitrophenol	76 U	1900	76	1	06/09/22 21:30	6/9/22	
Acenaphthene	72 U	380	72	1	06/09/22 21:30	6/9/22	
Acenaphthylene	77 U	380	77	1	06/09/22 21:30	6/9/22	
Acetophenone	110 U	380	110	1	06/09/22 21:30	6/9/22	
Anthracene	64 U	380	64	1	06/09/22 21:30	6/9/22	
Atrazine	120 U	380	120	1	06/09/22 21:30	6/9/22	
Benz(a)anthracene	57 U	380	57	1	06/09/22 21:30	6/9/22	
Benzaldehyde	92 U	1900	92	1	06/09/22 21:30	6/9/22	
Benzo(a)pyrene	110 U	380	110	1	06/09/22 21:30	6/9/22	
Benzo(b)fluoranthene	63 U	380	63	1	06/09/22 21:30	6/9/22	
Benzo(g,h,i)perylene	87 U	380	87	1	06/09/22 21:30	6/9/22	
Benzo(k)fluoranthene	61 U	380	61	1	06/09/22 21:30	6/9/22	
Biphenyl	120 U	380	120	1	06/09/22 21:30	6/9/22	
2,2'-Oxybis(1-chloropropane)	78 U	380	78	1	06/09/22 21:30	6/9/22	
Bis(2-chloroethoxy)methane	93 U	380	93	1	06/09/22 21:30	6/9/22	
Bis(2-chloroethyl) Ether	75 U	380	75	1	06/09/22 21:30	6/9/22	
Bis(2-ethylhexyl) Phthalate	69 U	570	69	1	06/09/22 21:30	6/9/22	
Butyl Benzyl Phthalate	46 U	380	46	1	06/09/22 21:30	6/9/22	
Caprolactam	84 U	380	84	1	06/09/22 21:30	6/9/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 13:50
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-5-6-220602	**Units:**	ug/Kg
Lab Code:	R2205037-007	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	62 U	380	62	1	06/09/22 21:30	6/9/22	
Chrysene	56 U	380	56	1	06/09/22 21:30	6/9/22	
Di-n-butyl Phthalate	62 U	380	62	1	06/09/22 21:30	6/9/22	
Di-n-octyl Phthalate	140 U	380	140	1	06/09/22 21:30	6/9/22	
Dibenz(a,h)anthracene	82 U	380	82	1	06/09/22 21:30	6/9/22	
Dibenzofuran	69 U	380	69	1	06/09/22 21:30	6/9/22	
Diethyl Phthalate	68 U	380	68	1	06/09/22 21:30	6/9/22	
Dimethyl Phthalate	72 U	380	72	1	06/09/22 21:30	6/9/22	
Fluoranthene	95 U	380	95	1	06/09/22 21:30	6/9/22	
Fluorene	71 U	380	71	1	06/09/22 21:30	6/9/22	
Hexachlorobenzene	91 U	380	91	1	06/09/22 21:30	6/9/22	
Hexachlorobutadiene	140 U	380	140	1	06/09/22 21:30	6/9/22	
Hexachlorocyclopentadiene	120 U	380	120	1	06/09/22 21:30	6/9/22	
Hexachloroethane	71 U	380	71	1	06/09/22 21:30	6/9/22	
Indeno(1,2,3-cd)pyrene	130 U	380	130	1	06/09/22 21:30	6/9/22	
Isophorone	79 U	380	79	1	06/09/22 21:30	6/9/22	
N-Nitrosodi-n-propylamine	120 U	380	120	1	06/09/22 21:30	6/9/22	
N-Nitrosodiphenylamine	240 U	380	240	1	06/09/22 21:30	6/9/22	
Naphthalene	71 U	380	71	1	06/09/22 21:30	6/9/22	
Nitrobenzene	68 U	380	68	1	06/09/22 21:30	6/9/22	
Pentachlorophenol (PCP)	380 U	1900	380	1	06/09/22 21:30	6/9/22	
Phenanthrene	54 U	380	54	1	06/09/22 21:30	6/9/22	
Phenol	76 U	380	76	1	06/09/22 21:30	6/9/22	
Pyrene	63 U	380	63	1	06/09/22 21:30	6/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	89	15 - 142	06/09/22 21:30	
2-Fluorobiphenyl	75	25 - 114	06/09/22 21:30	
2-Fluorophenol	70	18 - 98	06/09/22 21:30	
Nitrobenzene-d5	67	14 - 104	06/09/22 21:30	
Phenol-d6	71	18 - 103	06/09/22 21:30	
Terphenyl-d14	97	38 - 141	06/09/22 21:30	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:20
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-008	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	93 U	420	93	1	06/08/22 18:47	6/7/22	
2,3,4,6-Tetrachlorophenol	150 U	420	150	1	06/08/22 18:47	6/7/22	
2,4,5-Trichlorophenol	110 U	420	110	1	06/08/22 18:47	6/7/22	
2,4,6-Trichlorophenol	93 U	420	93	1	06/08/22 18:47	6/7/22	
2,4-Dichlorophenol	81 U	420	81	1	06/08/22 18:47	6/7/22	
2,4-Dimethylphenol	75 U	420	75	1	06/08/22 18:47	6/7/22	
2,4-Dinitrophenol	710 U	2200	710	1	06/08/22 18:47	6/7/22	
2,4-Dinitrotoluene	170 U	420	170	1	06/08/22 18:47	6/7/22	
2,6-Dinitrotoluene	92 U	420	92	1	06/08/22 18:47	6/7/22	
2-Chloronaphthalene	84 U	420	84	1	06/08/22 18:47	6/7/22	
2-Chlorophenol	70 U	420	70	1	06/08/22 18:47	6/7/22	
2-Methylnaphthalene	150 U	420	150	1	06/08/22 18:47	6/7/22	
2-Methylphenol	87 U	420	87	1	06/08/22 18:47	6/7/22	
2-Nitroaniline	99 U	2200	99	1	06/08/22 18:47	6/7/22	
2-Nitrophenol	97 U	420	97	1	06/08/22 18:47	6/7/22	
3,3'-Dichlorobenzidine	47 U	420	47	1	06/08/22 18:47	6/7/22	
3- and 4-Methylphenol Coelution	80 U	420	80	1	06/08/22 18:47	6/7/22	
3-Nitroaniline	84 U	2200	84	1	06/08/22 18:47	6/7/22	
4,6-Dinitro-2-methylphenol	240 U	2200	240	1	06/08/22 18:47	6/7/22	
4-Bromophenyl Phenyl Ether	110 U	420	110	1	06/08/22 18:47	6/7/22	
4-Chloro-3-methylphenol	85 U	420	85	1	06/08/22 18:47	6/7/22	
4-Chloroaniline	71 U	420	71	1	06/08/22 18:47	6/7/22	
4-Chlorophenyl Phenyl Ether	90 U	420	90	1	06/08/22 18:47	6/7/22	
4-Nitroaniline	91 U	2200	91	1	06/08/22 18:47	6/7/22	
4-Nitrophenol	84 U	2200	84	1	06/08/22 18:47	6/7/22	
Acenaphthene	79 U	420	79	1	06/08/22 18:47	6/7/22	
Acenaphthylene	85 U	420	85	1	06/08/22 18:47	6/7/22	
Acetophenone	130 U	420	130	1	06/08/22 18:47	6/7/22	
Anthracene	70 U	420	70	1	06/08/22 18:47	6/7/22	
Atrazine	130 U	420	130	1	06/08/22 18:47	6/7/22	
Benz(a)anthracene	63 U	420	63	1	06/08/22 18:47	6/7/22	
Benzaldehyde	110 U	2200	110	1	06/08/22 18:47	6/7/22	
Benzo(a)pyrene	120 U	420	120	1	06/08/22 18:47	6/7/22	
Benzo(b)fluoranthene	70 U	420	70	1	06/08/22 18:47	6/7/22	
Benzo(g,h,i)perylene	96 U	420	96	1	06/08/22 18:47	6/7/22	
Benzo(k)fluoranthene	68 U	420	68	1	06/08/22 18:47	6/7/22	
Biphenyl	130 U	420	130	1	06/08/22 18:47	6/7/22	
2,2'-Oxybis(1-chloropropane)	86 U	420	86	1	06/08/22 18:47	6/7/22	
Bis(2-chloroethoxy)methane	110 U	420	110	1	06/08/22 18:47	6/7/22	
Bis(2-chloroethyl) Ether	83 U	420	83	1	06/08/22 18:47	6/7/22	
Bis(2-ethylhexyl) Phthalate	77 U	630	77	1	06/08/22 18:47	6/7/22	
Butyl Benzyl Phthalate	51 U	420	51	1	06/08/22 18:47	6/7/22	
Caprolactam	92 U	420	92	1	06/08/22 18:47	6/7/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:20
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-008	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	68 U	420	68	1	06/08/22 18:47	6/7/22	
Chrysene	62 U	420	62	1	06/08/22 18:47	6/7/22	
Di-n-butyl Phthalate	68 U	420	68	1	06/08/22 18:47	6/7/22	
Di-n-octyl Phthalate	150 U	420	150	1	06/08/22 18:47	6/7/22	
Dibenz(a,h)anthracene	91 U	420	91	1	06/08/22 18:47	6/7/22	
Dibenzofuran	77 U	420	77	1	06/08/22 18:47	6/7/22	
Diethyl Phthalate	75 U	420	75	1	06/08/22 18:47	6/7/22	
Dimethyl Phthalate	80 U	420	80	1	06/08/22 18:47	6/7/22	
Fluoranthene	**120 J**	420	110	1	06/08/22 18:47	6/7/22	
Fluorene	79 U	420	79	1	06/08/22 18:47	6/7/22	
Hexachlorobenzene	110 U	420	110	1	06/08/22 18:47	6/7/22	
Hexachlorobutadiene	150 U	420	150	1	06/08/22 18:47	6/7/22	
Hexachlorocyclopentadiene	140 U	420	140	1	06/08/22 18:47	6/7/22	
Hexachloroethane	79 U	420	79	1	06/08/22 18:47	6/7/22	
Indeno(1,2,3-cd)pyrene	140 U	420	140	1	06/08/22 18:47	6/7/22	
Isophorone	88 U	420	88	1	06/08/22 18:47	6/7/22	
N-Nitrosodi-n-propylamine	130 U	420	130	1	06/08/22 18:47	6/7/22	
N-Nitrosodiphenylamine	270 U	420	270	1	06/08/22 18:47	6/7/22	
Naphthalene	79 U	420	79	1	06/08/22 18:47	6/7/22	
Nitrobenzene	75 U	420	75	1	06/08/22 18:47	6/7/22	
Pentachlorophenol (PCP)	420 U	2200	420	1	06/08/22 18:47	6/7/22	
Phenanthrene	60 U	420	60	1	06/08/22 18:47	6/7/22	
Phenol	84 U	420	84	1	06/08/22 18:47	6/7/22	
Pyrene	**99 J**	420	70	1	06/08/22 18:47	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	85	15 - 142	06/08/22 18:47	
2-Fluorobiphenyl	74	25 - 114	06/08/22 18:47	
2-Fluorophenol	70	18 - 98	06/08/22 18:47	
Nitrobenzene-d5	66	14 - 104	06/08/22 18:47	
Phenol-d6	71	18 - 103	06/08/22 18:47	
Terphenyl-d14	92	38 - 141	06/08/22 18:47	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:20
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-008	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	100 U	450	100	1	06/09/22 21:54	6/9/22	
2,3,4,6-Tetrachlorophenol	160 U	450	160	1	06/09/22 21:54	6/9/22	
2,4,5-Trichlorophenol	120 U	450	120	1	06/09/22 21:54	6/9/22	
2,4,6-Trichlorophenol	100 U	450	100	1	06/09/22 21:54	6/9/22	
2,4-Dichlorophenol	87 U	450	87	1	06/09/22 21:54	6/9/22	
2,4-Dimethylphenol	81 U	450	81	1	06/09/22 21:54	6/9/22	
2,4-Dinitrophenol	770 U	2300	770	1	06/09/22 21:54	6/9/22	
2,4-Dinitrotoluene	180 U	450	180	1	06/09/22 21:54	6/9/22	
2,6-Dinitrotoluene	98 U	450	98	1	06/09/22 21:54	6/9/22	
2-Chloronaphthalene	90 U	450	90	1	06/09/22 21:54	6/9/22	
2-Chlorophenol	75 U	450	75	1	06/09/22 21:54	6/9/22	
2-Methylnaphthalene	160 U	450	160	1	06/09/22 21:54	6/9/22	
2-Methylphenol	93 U	450	93	1	06/09/22 21:54	6/9/22	
2-Nitroaniline	110 U	2300	110	1	06/09/22 21:54	6/9/22	
2-Nitrophenol	110 U	450	110	1	06/09/22 21:54	6/9/22	
3,3'-Dichlorobenzidine	51 U	450	51	1	06/09/22 21:54	6/9/22	
3- and 4-Methylphenol Coelution	86 U	450	86	1	06/09/22 21:54	6/9/22	
3-Nitroaniline	90 U	2300	90	1	06/09/22 21:54	6/9/22	
4,6-Dinitro-2-methylphenol	260 U	2300	260	1	06/09/22 21:54	6/9/22	
4-Bromophenyl Phenyl Ether	120 U	450	120	1	06/09/22 21:54	6/9/22	
4-Chloro-3-methylphenol	91 U	450	91	1	06/09/22 21:54	6/9/22	
4-Chloroaniline	76 U	450	76	1	06/09/22 21:54	6/9/22	
4-Chlorophenyl Phenyl Ether	96 U	450	96	1	06/09/22 21:54	6/9/22	
4-Nitroaniline	97 U	2300	97	1	06/09/22 21:54	6/9/22	
4-Nitrophenol	90 U	2300	90	1	06/09/22 21:54	6/9/22	
Acenaphthene	85 U	450	85	1	06/09/22 21:54	6/9/22	
Acenaphthylene	91 U	450	91	1	06/09/22 21:54	6/9/22	
Acetophenone	130 U	450	130	1	06/09/22 21:54	6/9/22	
Anthracene	75 U	450	75	1	06/09/22 21:54	6/9/22	
Atrazine	140 U	450	140	1	06/09/22 21:54	6/9/22	
Benz(a)anthracene	67 U	450	67	1	06/09/22 21:54	6/9/22	
Benzaldehyde	110 U	2300	110	1	06/09/22 21:54	6/9/22	
Benzo(a)pyrene	120 U	450	120	1	06/09/22 21:54	6/9/22	
Benzo(b)fluoranthene	75 U	450	75	1	06/09/22 21:54	6/9/22	
Benzo(g,h,i)perylene	110 U	450	110	1	06/09/22 21:54	6/9/22	
Benzo(k)fluoranthene	73 U	450	73	1	06/09/22 21:54	6/9/22	
Biphenyl	140 U	450	140	1	06/09/22 21:54	6/9/22	
2,2'-Oxybis(1-chloropropane)	92 U	450	92	1	06/09/22 21:54	6/9/22	
Bis(2-chloroethoxy)methane	110 U	450	110	1	06/09/22 21:54	6/9/22	
Bis(2-chloroethyl) Ether	89 U	450	89	1	06/09/22 21:54	6/9/22	
Bis(2-ethylhexyl) Phthalate	82 U	680	82	1	06/09/22 21:54	6/9/22	
Butyl Benzyl Phthalate	54 U	450	54	1	06/09/22 21:54	6/9/22	
Caprolactam	99 U	450	99	1	06/09/22 21:54	6/9/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:20
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-008	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	73	U	450	73	1	06/09/22 21:54	6/9/22	
Chrysene	66	U	450	66	1	06/09/22 21:54	6/9/22	
Di-n-butyl Phthalate	**84**	**J**	450	73	1	06/09/22 21:54	6/9/22	
Di-n-octyl Phthalate	160	U	450	160	1	06/09/22 21:54	6/9/22	
Dibenz(a,h)anthracene	98	U	450	98	1	06/09/22 21:54	6/9/22	
Dibenzofuran	82	U	450	82	1	06/09/22 21:54	6/9/22	
Diethyl Phthalate	80	U	450	80	1	06/09/22 21:54	6/9/22	
Dimethyl Phthalate	86	U	450	86	1	06/09/22 21:54	6/9/22	
Fluoranthene	120	U	450	120	1	06/09/22 21:54	6/9/22	
Fluorene	84	U	450	84	1	06/09/22 21:54	6/9/22	
Hexachlorobenzene	110	U	450	110	1	06/09/22 21:54	6/9/22	
Hexachlorobutadiene	160	U	450	160	1	06/09/22 21:54	6/9/22	
Hexachlorocyclopentadiene	150	U	450	150	1	06/09/22 21:54	6/9/22	
Hexachloroethane	84	U	450	84	1	06/09/22 21:54	6/9/22	
Indeno(1,2,3-cd)pyrene	150	U	450	150	1	06/09/22 21:54	6/9/22	
Isophorone	94	U	450	94	1	06/09/22 21:54	6/9/22	
N-Nitrosodi-n-propylamine	140	U	450	140	1	06/09/22 21:54	6/9/22	
N-Nitrosodiphenylamine	280	U	450	280	1	06/09/22 21:54	6/9/22	
Naphthalene	84	U	450	84	1	06/09/22 21:54	6/9/22	
Nitrobenzene	80	U	450	80	1	06/09/22 21:54	6/9/22	
Pentachlorophenol (PCP)	450	U	2300	450	1	06/09/22 21:54	6/9/22	
Phenanthrene	64	U	450	64	1	06/09/22 21:54	6/9/22	
Phenol	91	U	450	91	1	06/09/22 21:54	6/9/22	
Pyrene	75	U	450	75	1	06/09/22 21:54	6/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	73	15 - 142	06/09/22 21:54	
2-Fluorobiphenyl	73	25 - 114	06/09/22 21:54	
2-Fluorophenol	68	18 - 98	06/09/22 21:54	
Nitrobenzene-d5	65	14 - 104	06/09/22 21:54	
Phenol-d6	69	18 - 103	06/09/22 21:54	
Terphenyl-d14	89	38 - 141	06/09/22 21:54	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-7-8-220602	**Units:**	ug/Kg
Lab Code:	R2205037-009	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	78 U	350	78	1	06/08/22 19:58	6/7/22	
2,3,4,6-Tetrachlorophenol	130 U	350	130	1	06/08/22 19:58	6/7/22	
2,4,5-Trichlorophenol	86 U	350	86	1	06/08/22 19:58	6/7/22	
2,4,6-Trichlorophenol	78 U	350	78	1	06/08/22 19:58	6/7/22	
2,4-Dichlorophenol	67 U	350	67	1	06/08/22 19:58	6/7/22	
2,4-Dimethylphenol	63 U	350	63	1	06/08/22 19:58	6/7/22	
2,4-Dinitrophenol	600 U	1800	600	1	06/08/22 19:58	6/7/22	
2,4-Dinitrotoluene	140 U	350	140	1	06/08/22 19:58	6/7/22	
2,6-Dinitrotoluene	76 U	350	76	1	06/08/22 19:58	6/7/22	
2-Chloronaphthalene	70 U	350	70	1	06/08/22 19:58	6/7/22	
2-Chlorophenol	59 U	350	59	1	06/08/22 19:58	6/7/22	
2-Methylnaphthalene	130 U	350	130	1	06/08/22 19:58	6/7/22	
2-Methylphenol	73 U	350	73	1	06/08/22 19:58	6/7/22	
2-Nitroaniline	83 U	1800	83	1	06/08/22 19:58	6/7/22	
2-Nitrophenol	81 U	350	81	1	06/08/22 19:58	6/7/22	
3,3'-Dichlorobenzidine	40 U	350	40	1	06/08/22 19:58	6/7/22	
3- and 4-Methylphenol Coelution	67 U	350	67	1	06/08/22 19:58	6/7/22	
3-Nitroaniline	70 U	1800	70	1	06/08/22 19:58	6/7/22	
4,6-Dinitro-2-methylphenol	200 U	1800	200	1	06/08/22 19:58	6/7/22	
4-Bromophenyl Phenyl Ether	92 U	350	92	1	06/08/22 19:58	6/7/22	
4-Chloro-3-methylphenol	71 U	350	71	1	06/08/22 19:58	6/7/22	
4-Chloroaniline	59 U	350	59	1	06/08/22 19:58	6/7/22	
4-Chlorophenyl Phenyl Ether	75 U	350	75	1	06/08/22 19:58	6/7/22	
4-Nitroaniline	76 U	1800	76	1	06/08/22 19:58	6/7/22	
4-Nitrophenol	70 U	1800	70	1	06/08/22 19:58	6/7/22	
Acenaphthene	66 U	350	66	1	06/08/22 19:58	6/7/22	
Acenaphthylene	71 U	350	71	1	06/08/22 19:58	6/7/22	
Acetophenone	110 U	350	110	1	06/08/22 19:58	6/7/22	
Anthracene	59 U	350	59	1	06/08/22 19:58	6/7/22	
Atrazine	110 U	350	110	1	06/08/22 19:58	6/7/22	
Benz(a)anthracene	52 U	350	52	1	06/08/22 19:58	6/7/22	
Benzaldehyde	85 U	1800	85	1	06/08/22 19:58	6/7/22	
Benzo(a)pyrene	93 U	350	93	1	06/08/22 19:58	6/7/22	
Benzo(b)fluoranthene	59 U	350	59	1	06/08/22 19:58	6/7/22	
Benzo(g,h,i)perylene	80 U	350	80	1	06/08/22 19:58	6/7/22	
Benzo(k)fluoranthene	57 U	350	57	1	06/08/22 19:58	6/7/22	
Biphenyl	110 U	350	110	1	06/08/22 19:58	6/7/22	
2,2'-Oxybis(1-chloropropane)	72 U	350	72	1	06/08/22 19:58	6/7/22	
Bis(2-chloroethoxy)methane	86 U	350	86	1	06/08/22 19:58	6/7/22	
Bis(2-chloroethyl) Ether	69 U	350	69	1	06/08/22 19:58	6/7/22	
Bis(2-ethylhexyl) Phthalate	64 U	530	64	1	06/08/22 19:58	6/7/22	
Butyl Benzyl Phthalate	42 U	350	42	1	06/08/22 19:58	6/7/22	
Caprolactam	77 U	350	77	1	06/08/22 19:58	6/7/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-7-8-220602	**Units:**	ug/Kg
Lab Code:	R2205037-009	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	57 U	350	57	1	06/08/22 19:58	6/7/22	
Chrysene	52 U	350	52	1	06/08/22 19:58	6/7/22	
Di-n-butyl Phthalate	57 U	350	57	1	06/08/22 19:58	6/7/22	
Di-n-octyl Phthalate	130 U	350	130	1	06/08/22 19:58	6/7/22	
Dibenz(a,h)anthracene	76 U	350	76	1	06/08/22 19:58	6/7/22	
Dibenzofuran	64 U	350	64	1	06/08/22 19:58	6/7/22	
Diethyl Phthalate	62 U	350	62	1	06/08/22 19:58	6/7/22	
Dimethyl Phthalate	67 U	350	67	1	06/08/22 19:58	6/7/22	
Fluoranthene	88 U	350	88	1	06/08/22 19:58	6/7/22	
Fluorene	66 U	350	66	1	06/08/22 19:58	6/7/22	
Hexachlorobenzene	84 U	350	84	1	06/08/22 19:58	6/7/22	
Hexachlorobutadiene	130 U	350	130	1	06/08/22 19:58	6/7/22	
Hexachlorocyclopentadiene	120 U	350	120	1	06/08/22 19:58	6/7/22	
Hexachloroethane	66 U	350	66	1	06/08/22 19:58	6/7/22	
Indeno(1,2,3-cd)pyrene	120 U	350	120	1	06/08/22 19:58	6/7/22	
Isophorone	73 U	350	73	1	06/08/22 19:58	6/7/22	
N-Nitrosodi-n-propylamine	110 U	350	110	1	06/08/22 19:58	6/7/22	
N-Nitrosodiphenylamine	220 U	350	220	1	06/08/22 19:58	6/7/22	
Naphthalene	66 U	350	66	1	06/08/22 19:58	6/7/22	
Nitrobenzene	63 U	350	63	1	06/08/22 19:58	6/7/22	
Pentachlorophenol (PCP)	350 U	1800	350	1	06/08/22 19:58	6/7/22	
Phenanthrene	50 U	350	50	1	06/08/22 19:58	6/7/22	
Phenol	70 U	350	70	1	06/08/22 19:58	6/7/22	
Pyrene	58 U	350	58	1	06/08/22 19:58	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	91	15 - 142	06/08/22 19:58	
2-Fluorobiphenyl	75	25 - 114	06/08/22 19:58	
2-Fluorophenol	74	18 - 98	06/08/22 19:58	
Nitrobenzene-d5	71	14 - 104	06/08/22 19:58	
Phenol-d6	73	18 - 103	06/08/22 19:58	
Terphenyl-d14	94	38 - 141	06/08/22 19:58	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-7-8-220602	**Units:**	ug/Kg
Lab Code:	R2205037-009	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	82 U	370	82	1	06/09/22 23:07	6/9/22	
2,3,4,6-Tetrachlorophenol	130 U	370	130	1	06/09/22 23:07	6/9/22	
2,4,5-Trichlorophenol	91 U	370	91	1	06/09/22 23:07	6/9/22	
2,4,6-Trichlorophenol	82 U	370	82	1	06/09/22 23:07	6/9/22	
2,4-Dichlorophenol	71 U	370	71	1	06/09/22 23:07	6/9/22	
2,4-Dimethylphenol	66 U	370	66	1	06/09/22 23:07	6/9/22	
2,4-Dinitrophenol	630 U	1900	630	1	06/09/22 23:07	6/9/22	
2,4-Dinitrotoluene	150 U	370	150	1	06/09/22 23:07	6/9/22	
2,6-Dinitrotoluene	80 U	370	80	1	06/09/22 23:07	6/9/22	
2-Chloronaphthalene	74 U	370	74	1	06/09/22 23:07	6/9/22	
2-Chlorophenol	61 U	370	61	1	06/09/22 23:07	6/9/22	
2-Methylnaphthalene	130 U	370	130	1	06/09/22 23:07	6/9/22	
2-Methylphenol	76 U	370	76	1	06/09/22 23:07	6/9/22	
2-Nitroaniline	87 U	1900	87	1	06/09/22 23:07	6/9/22	
2-Nitrophenol	85 U	370	85	1	06/09/22 23:07	6/9/22	
3,3'-Dichlorobenzidine	41 U	370	41	1	06/09/22 23:07	6/9/22	
3- and 4-Methylphenol Coelution	70 U	370	70	1	06/09/22 23:07	6/9/22	
3-Nitroaniline	74 U	1900	74	1	06/09/22 23:07	6/9/22	
4,6-Dinitro-2-methylphenol	210 U	1900	210	1	06/09/22 23:07	6/9/22	
4-Bromophenyl Phenyl Ether	97 U	370	97	1	06/09/22 23:07	6/9/22	
4-Chloro-3-methylphenol	74 U	370	74	1	06/09/22 23:07	6/9/22	
4-Chloroaniline	62 U	370	62	1	06/09/22 23:07	6/9/22	
4-Chlorophenyl Phenyl Ether	79 U	370	79	1	06/09/22 23:07	6/9/22	
4-Nitroaniline	79 U	1900	79	1	06/09/22 23:07	6/9/22	
4-Nitrophenol	74 U	1900	74	1	06/09/22 23:07	6/9/22	
Acenaphthene	70 U	370	70	1	06/09/22 23:07	6/9/22	
Acenaphthylene	74 U	370	74	1	06/09/22 23:07	6/9/22	
Acetophenone	110 U	370	110	1	06/09/22 23:07	6/9/22	
Anthracene	62 U	370	62	1	06/09/22 23:07	6/9/22	
Atrazine	110 U	370	110	1	06/09/22 23:07	6/9/22	
Benz(a)anthracene	55 U	370	55	1	06/09/22 23:07	6/9/22	
Benzaldehyde	89 U	1900	89	1	06/09/22 23:07	6/9/22	
Benzo(a)pyrene	98 U	370	98	1	06/09/22 23:07	6/9/22	
Benzo(b)fluoranthene	61 U	370	61	1	06/09/22 23:07	6/9/22	
Benzo(g,h,i)perylene	84 U	370	84	1	06/09/22 23:07	6/9/22	
Benzo(k)fluoranthene	60 U	370	60	1	06/09/22 23:07	6/9/22	
Biphenyl	110 U	370	110	1	06/09/22 23:07	6/9/22	
2,2'-Oxybis(1-chloropropane)	75 U	370	75	1	06/09/22 23:07	6/9/22	
Bis(2-chloroethoxy)methane	90 U	370	90	1	06/09/22 23:07	6/9/22	
Bis(2-chloroethyl) Ether	73 U	370	73	1	06/09/22 23:07	6/9/22	
Bis(2-ethylhexyl) Phthalate	67 U	560	67	1	06/09/22 23:07	6/9/22	
Butyl Benzyl Phthalate	44 U	370	44	1	06/09/22 23:07	6/9/22	
Caprolactam	81 U	370	81	1	06/09/22 23:07	6/9/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-7-8-220602	**Units:**	ug/Kg
Lab Code:	R2205037-009	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	60 U	370	60	1	06/09/22 23:07	6/9/22	
Chrysene	54 U	370	54	1	06/09/22 23:07	6/9/22	
Di-n-butyl Phthalate	**130 J**	370	60	1	06/09/22 23:07	6/9/22	
Di-n-octyl Phthalate	130 U	370	130	1	06/09/22 23:07	6/9/22	
Dibenz(a,h)anthracene	80 U	370	80	1	06/09/22 23:07	6/9/22	
Dibenzofuran	67 U	370	67	1	06/09/22 23:07	6/9/22	
Diethyl Phthalate	65 U	370	65	1	06/09/22 23:07	6/9/22	
Dimethyl Phthalate	70 U	370	70	1	06/09/22 23:07	6/9/22	
Fluoranthene	92 U	370	92	1	06/09/22 23:07	6/9/22	
Fluorene	69 U	370	69	1	06/09/22 23:07	6/9/22	
Hexachlorobenzene	88 U	370	88	1	06/09/22 23:07	6/9/22	
Hexachlorobutadiene	130 U	370	130	1	06/09/22 23:07	6/9/22	
Hexachlorocyclopentadiene	120 U	370	120	1	06/09/22 23:07	6/9/22	
Hexachloroethane	69 U	370	69	1	06/09/22 23:07	6/9/22	
Indeno(1,2,3-cd)pyrene	120 U	370	120	1	06/09/22 23:07	6/9/22	
Isophorone	77 U	370	77	1	06/09/22 23:07	6/9/22	
N-Nitrosodi-n-propylamine	120 U	370	120	1	06/09/22 23:07	6/9/22	
N-Nitrosodiphenylamine	230 U	370	230	1	06/09/22 23:07	6/9/22	
Naphthalene	69 U	370	69	1	06/09/22 23:07	6/9/22	
Nitrobenzene	66 U	370	66	1	06/09/22 23:07	6/9/22	
Pentachlorophenol (PCP)	370 U	1900	370	1	06/09/22 23:07	6/9/22	
Phenanthrene	52 U	370	52	1	06/09/22 23:07	6/9/22	
Phenol	74 U	370	74	1	06/09/22 23:07	6/9/22	
Pyrene	61 U	370	61	1	06/09/22 23:07	6/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	80	15 - 142	06/09/22 23:07	
2-Fluorobiphenyl	70	25 - 114	06/09/22 23:07	
2-Fluorophenol	66	18 - 98	06/09/22 23:07	
Nitrobenzene-d5	64	14 - 104	06/09/22 23:07	
Phenol-d6	66	18 - 103	06/09/22 23:07	
Terphenyl-d14	93	38 - 141	06/09/22 23:07	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:45
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-8-9-220602	**Units:**	ug/Kg
Lab Code:	R2205037-010	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	130 U	580	130	1	06/08/22 20:22	6/7/22	
2,3,4,6-Tetrachlorophenol	210 U	580	210	1	06/08/22 20:22	6/7/22	
2,4,5-Trichlorophenol	150 U	580	150	1	06/08/22 20:22	6/7/22	
2,4,6-Trichlorophenol	130 U	580	130	1	06/08/22 20:22	6/7/22	
2,4-Dichlorophenol	120 U	580	120	1	06/08/22 20:22	6/7/22	
2,4-Dimethylphenol	110 U	580	110	1	06/08/22 20:22	6/7/22	
2,4-Dinitrophenol	990 U	3000	990	1	06/08/22 20:22	6/7/22	
2,4-Dinitrotoluene	230 U	580	230	1	06/08/22 20:22	6/7/22	
2,6-Dinitrotoluene	130 U	580	130	1	06/08/22 20:22	6/7/22	
2-Chloronaphthalene	120 U	580	120	1	06/08/22 20:22	6/7/22	
2-Chlorophenol	97 U	580	97	1	06/08/22 20:22	6/7/22	
2-Methylnaphthalene	210 U	580	210	1	06/08/22 20:22	6/7/22	
2-Methylphenol	130 U	580	130	1	06/08/22 20:22	6/7/22	
2-Nitroaniline	140 U	3000	140	1	06/08/22 20:22	6/7/22	
2-Nitrophenol	140 U	580	140	1	06/08/22 20:22	6/7/22	
3,3'-Dichlorobenzidine	66 U	580	66	1	06/08/22 20:22	6/7/22	
3- and 4-Methylphenol Coelution	120 U	580	120	1	06/08/22 20:22	6/7/22	
3-Nitroaniline	120 U	3000	120	1	06/08/22 20:22	6/7/22	
4,6-Dinitro-2-methylphenol	330 U	3000	330	1	06/08/22 20:22	6/7/22	
4-Bromophenyl Phenyl Ether	160 U	580	160	1	06/08/22 20:22	6/7/22	
4-Chloro-3-methylphenol	120 U	580	120	1	06/08/22 20:22	6/7/22	
4-Chloroaniline	99 U	580	99	1	06/08/22 20:22	6/7/22	
4-Chlorophenyl Phenyl Ether	130 U	580	130	1	06/08/22 20:22	6/7/22	
4-Nitroaniline	130 U	3000	130	1	06/08/22 20:22	6/7/22	
4-Nitrophenol	120 U	3000	120	1	06/08/22 20:22	6/7/22	
Acenaphthene	110 U	580	110	1	06/08/22 20:22	6/7/22	
Acenaphthylene	120 U	580	120	1	06/08/22 20:22	6/7/22	
Acetophenone	170 U	580	170	1	06/08/22 20:22	6/7/22	
Anthracene	98 U	580	98	1	06/08/22 20:22	6/7/22	
Atrazine	180 U	580	180	1	06/08/22 20:22	6/7/22	
Benz(a)anthracene	87 U	580	87	1	06/08/22 20:22	6/7/22	
Benzaldehyde	150 U	3000	150	1	06/08/22 20:22	6/7/22	
Benzo(a)pyrene	160 U	580	160	1	06/08/22 20:22	6/7/22	
Benzo(b)fluoranthene	97 U	580	97	1	06/08/22 20:22	6/7/22	
Benzo(g,h,i)perylene	140 U	580	140	1	06/08/22 20:22	6/7/22	
Benzo(k)fluoranthene	94 U	580	94	1	06/08/22 20:22	6/7/22	
Biphenyl	180 U	580	180	1	06/08/22 20:22	6/7/22	
2,2'-Oxybis(1-chloropropane)	120 U	580	120	1	06/08/22 20:22	6/7/22	
Bis(2-chloroethoxy)methane	150 U	580	150	1	06/08/22 20:22	6/7/22	
Bis(2-chloroethyl) Ether	120 U	580	120	1	06/08/22 20:22	6/7/22	
Bis(2-ethylhexyl) Phthalate	110 U	880	110	1	06/08/22 20:22	6/7/22	
Butyl Benzyl Phthalate	70 U	580	70	1	06/08/22 20:22	6/7/22	
Caprolactam	130 U	580	130	1	06/08/22 20:22	6/7/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:45
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-8-9-220602	**Units:**	ug/Kg
Lab Code:	R2205037-010	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	95 U	580	95	1	06/08/22 20:22	6/7/22	
Chrysene	86 U	580	86	1	06/08/22 20:22	6/7/22	
Di-n-butyl Phthalate	94 U	580	94	1	06/08/22 20:22	6/7/22	
Di-n-octyl Phthalate	210 U	580	210	1	06/08/22 20:22	6/7/22	
Dibenz(a,h)anthracene	130 U	580	130	1	06/08/22 20:22	6/7/22	
Dibenzofuran	110 U	580	110	1	06/08/22 20:22	6/7/22	
Diethyl Phthalate	110 U	580	110	1	06/08/22 20:22	6/7/22	
Dimethyl Phthalate	120 U	580	120	1	06/08/22 20:22	6/7/22	
Fluoranthene	150 U	580	150	1	06/08/22 20:22	6/7/22	
Fluorene	110 U	580	110	1	06/08/22 20:22	6/7/22	
Hexachlorobenzene	140 U	580	140	1	06/08/22 20:22	6/7/22	
Hexachlorobutadiene	210 U	580	210	1	06/08/22 20:22	6/7/22	
Hexachlorocyclopentadiene	190 U	580	190	1	06/08/22 20:22	6/7/22	
Hexachloroethane	110 U	580	110	1	06/08/22 20:22	6/7/22	
Indeno(1,2,3-cd)pyrene	190 U	580	190	1	06/08/22 20:22	6/7/22	
Isophorone	130 U	580	130	1	06/08/22 20:22	6/7/22	
N-Nitrosodi-n-propylamine	180 U	580	180	1	06/08/22 20:22	6/7/22	
N-Nitrosodiphenylamine	370 U	580	370	1	06/08/22 20:22	6/7/22	
Naphthalene	110 U	580	110	1	06/08/22 20:22	6/7/22	
Nitrobenzene	110 U	580	110	1	06/08/22 20:22	6/7/22	
Pentachlorophenol (PCP)	580 U	3000	580	1	06/08/22 20:22	6/7/22	
Phenanthrene	83 U	580	83	1	06/08/22 20:22	6/7/22	
Phenol	120 U	580	120	1	06/08/22 20:22	6/7/22	
Pyrene	97 U	580	97	1	06/08/22 20:22	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	86	15 - 142	06/08/22 20:22	
2-Fluorobiphenyl	75	25 - 114	06/08/22 20:22	
2-Fluorophenol	73	18 - 98	06/08/22 20:22	
Nitrobenzene-d5	71	14 - 104	06/08/22 20:22	
Phenol-d6	72	18 - 103	06/08/22 20:22	
Terphenyl-d14	91	38 - 141	06/08/22 20:22	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:45
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-8-9-220602	**Units:**	ug/Kg
Lab Code:	R2205037-010	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	140 U	590	140	1	06/09/22 23:31	6/9/22	
2,3,4,6-Tetrachlorophenol	210 U	590	210	1	06/09/22 23:31	6/9/22	
2,4,5-Trichlorophenol	150 U	590	150	1	06/09/22 23:31	6/9/22	
2,4,6-Trichlorophenol	140 U	590	140	1	06/09/22 23:31	6/9/22	
2,4-Dichlorophenol	120 U	590	120	1	06/09/22 23:31	6/9/22	
2,4-Dimethylphenol	110 U	590	110	1	06/09/22 23:31	6/9/22	
2,4-Dinitrophenol	1000 U	3000	1000	1	06/09/22 23:31	6/9/22	
2,4-Dinitrotoluene	230 U	590	230	1	06/09/22 23:31	6/9/22	
2,6-Dinitrotoluene	130 U	590	130	1	06/09/22 23:31	6/9/22	
2-Chloronaphthalene	120 U	590	120	1	06/09/22 23:31	6/9/22	
2-Chlorophenol	98 U	590	98	1	06/09/22 23:31	6/9/22	
2-Methylnaphthalene	210 U	590	210	1	06/09/22 23:31	6/9/22	
2-Methylphenol	130 U	590	130	1	06/09/22 23:31	6/9/22	
2-Nitroaniline	140 U	3000	140	1	06/09/22 23:31	6/9/22	
2-Nitrophenol	140 U	590	140	1	06/09/22 23:31	6/9/22	
3,3'-Dichlorobenzidine	66 U	590	66	1	06/09/22 23:31	6/9/22	
3- and 4-Methylphenol Coelution	120 U	590	120	1	06/09/22 23:31	6/9/22	
3-Nitroaniline	120 U	3000	120	1	06/09/22 23:31	6/9/22	
4,6-Dinitro-2-methylphenol	340 U	3000	340	1	06/09/22 23:31	6/9/22	
4-Bromophenyl Phenyl Ether	160 U	590	160	1	06/09/22 23:31	6/9/22	
4-Chloro-3-methylphenol	120 U	590	120	1	06/09/22 23:31	6/9/22	
4-Chloroaniline	99 U	590	99	1	06/09/22 23:31	6/9/22	
4-Chlorophenyl Phenyl Ether	130 U	590	130	1	06/09/22 23:31	6/9/22	
4-Nitroaniline	130 U	3000	130	1	06/09/22 23:31	6/9/22	
4-Nitrophenol	120 U	3000	120	1	06/09/22 23:31	6/9/22	
Acenaphthene	120 U	590	120	1	06/09/22 23:31	6/9/22	
Acenaphthylene	120 U	590	120	1	06/09/22 23:31	6/9/22	
Acetophenone	170 U	590	170	1	06/09/22 23:31	6/9/22	
Anthracene	98 U	590	98	1	06/09/22 23:31	6/9/22	
Atrazine	180 U	590	180	1	06/09/22 23:31	6/9/22	
Benz(a)anthracene	87 U	590	87	1	06/09/22 23:31	6/9/22	
Benzaldehyde	150 U	3000	150	1	06/09/22 23:31	6/9/22	
Benzo(a)pyrene	160 U	590	160	1	06/09/22 23:31	6/9/22	
Benzo(b)fluoranthene	98 U	590	98	1	06/09/22 23:31	6/9/22	
Benzo(g,h,i)perylene	140 U	590	140	1	06/09/22 23:31	6/9/22	
Benzo(k)fluoranthene	95 U	590	95	1	06/09/22 23:31	6/9/22	
Biphenyl	180 U	590	180	1	06/09/22 23:31	6/9/22	
2,2'-Oxybis(1-chloropropane)	120 U	590	120	1	06/09/22 23:31	6/9/22	
Bis(2-chloroethoxy)methane	150 U	590	150	1	06/09/22 23:31	6/9/22	
Bis(2-chloroethyl) Ether	120 U	590	120	1	06/09/22 23:31	6/9/22	
Bis(2-ethylhexyl) Phthalate	110 U	890	110	1	06/09/22 23:31	6/9/22	
Butyl Benzyl Phthalate	71 U	590	71	1	06/09/22 23:31	6/9/22	
Caprolactam	130 U	590	130	1	06/09/22 23:31	6/9/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:45
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-8-9-220602	**Units:**	ug/Kg
Lab Code:	R2205037-010	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	95 U	590	95	1	06/09/22 23:31	6/9/22	
Chrysene	87 U	590	87	1	06/09/22 23:31	6/9/22	
Di-n-butyl Phthalate	95 U	590	95	1	06/09/22 23:31	6/9/22	
Di-n-octyl Phthalate	210 U	590	210	1	06/09/22 23:31	6/9/22	
Dibenz(a,h)anthracene	130 U	590	130	1	06/09/22 23:31	6/9/22	
Dibenzofuran	110 U	590	110	1	06/09/22 23:31	6/9/22	
Diethyl Phthalate	110 U	590	110	1	06/09/22 23:31	6/9/22	
Dimethyl Phthalate	120 U	590	120	1	06/09/22 23:31	6/9/22	
Fluoranthene	150 U	590	150	1	06/09/22 23:31	6/9/22	
Fluorene	110 U	590	110	1	06/09/22 23:31	6/9/22	
Hexachlorobenzene	150 U	590	150	1	06/09/22 23:31	6/9/22	
Hexachlorobutadiene	210 U	590	210	1	06/09/22 23:31	6/9/22	
Hexachlorocyclopentadiene	190 U	590	190	1	06/09/22 23:31	6/9/22	
Hexachloroethane	110 U	590	110	1	06/09/22 23:31	6/9/22	
Indeno(1,2,3-cd)pyrene	190 U	590	190	1	06/09/22 23:31	6/9/22	
Isophorone	130 U	590	130	1	06/09/22 23:31	6/9/22	
N-Nitrosodi-n-propylamine	180 U	590	180	1	06/09/22 23:31	6/9/22	
N-Nitrosodiphenylamine	370 U	590	370	1	06/09/22 23:31	6/9/22	
Naphthalene	110 U	590	110	1	06/09/22 23:31	6/9/22	
Nitrobenzene	110 U	590	110	1	06/09/22 23:31	6/9/22	
Pentachlorophenol (PCP)	590 U	3000	590	1	06/09/22 23:31	6/9/22	
Phenanthrene	83 U	590	83	1	06/09/22 23:31	6/9/22	
Phenol	120 U	590	120	1	06/09/22 23:31	6/9/22	
Pyrene	98 U	590	98	1	06/09/22 23:31	6/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	19	15 - 142	06/09/22 23:31	
2-Fluorobiphenyl	18 *	25 - 114	06/09/22 23:31	*
2-Fluorophenol	17 *	18 - 98	06/09/22 23:31	*
Nitrobenzene-d5	16	14 - 104	06/09/22 23:31	
Phenol-d6	16 *	18 - 103	06/09/22 23:31	*
Terphenyl-d14	24 *	38 - 141	06/09/22 23:31	*

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 11:35
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-5-6-220602	**Units:**	ug/Kg
Lab Code:	R2205037-001	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	35 U	35	1	06/10/22 09:07	6/7/22	
Aroclor 1221	72 U	72	1	06/10/22 09:07	6/7/22	
Aroclor 1232	35 U	35	1	06/10/22 09:07	6/7/22	
Aroclor 1242	35 U	35	1	06/10/22 09:07	6/7/22	
Aroclor 1248	35 U	35	1	06/10/22 09:07	6/7/22	
Aroclor 1254	35 U	35	1	06/10/22 09:07	6/7/22	
Aroclor 1260	35 U	35	1	06/10/22 09:07	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	81	22 - 128	06/10/22 09:07	
Tetrachloro-m-xylene	80	14 - 119	06/10/22 09:07	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 11:45
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-002	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	36 U	36	1	06/10/22 09:26	6/7/22	
Aroclor 1221	73 U	73	1	06/10/22 09:26	6/7/22	
Aroclor 1232	36 U	36	1	06/10/22 09:26	6/7/22	
Aroclor 1242	36 U	36	1	06/10/22 09:26	6/7/22	
Aroclor 1248	36 U	36	1	06/10/22 09:26	6/7/22	
Aroclor 1254	36 U	36	1	06/10/22 09:26	6/7/22	
Aroclor 1260	36 U	36	1	06/10/22 09:26	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	76	22 - 128	06/10/22 09:26	
Tetrachloro-m-xylene	73	14 - 119	06/10/22 09:26	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:00
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-7-8-220602	**Units:**	ug/Kg
Lab Code:	R2205037-003	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	35 U	35	1	06/10/22 09:46	6/7/22	
Aroclor 1221	72 U	72	1	06/10/22 09:46	6/7/22	
Aroclor 1232	35 U	35	1	06/10/22 09:46	6/7/22	
Aroclor 1242	35 U	35	1	06/10/22 09:46	6/7/22	
Aroclor 1248	35 U	35	1	06/10/22 09:46	6/7/22	
Aroclor 1254	35 U	35	1	06/10/22 09:46	6/7/22	
Aroclor 1260	35 U	35	1	06/10/22 09:46	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	73	22 - 128	06/10/22 09:46	
Tetrachloro-m-xylene	70	14 - 119	06/10/22 09:46	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:15
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-8-9-220602	**Units:**	ug/Kg
Lab Code:	R2205037-004	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	35 U	35	1	06/10/22 10:06	6/7/22	
Aroclor 1221	71 U	71	1	06/10/22 10:06	6/7/22	
Aroclor 1232	35 U	35	1	06/10/22 10:06	6/7/22	
Aroclor 1242	35 U	35	1	06/10/22 10:06	6/7/22	
Aroclor 1248	35 U	35	1	06/10/22 10:06	6/7/22	
Aroclor 1254	35 U	35	1	06/10/22 10:06	6/7/22	
Aroclor 1260	35 U	35	1	06/10/22 10:06	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	72	22 - 128	06/10/22 10:06	
Tetrachloro-m-xylene	71	14 - 119	06/10/22 10:06	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-9-10-220602	**Units:**	ug/Kg
Lab Code:	R2205037-005	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	36 U	36	1	06/10/22 10:25	6/7/22	
Aroclor 1221	73 U	73	1	06/10/22 10:25	6/7/22	
Aroclor 1232	36 U	36	1	06/10/22 10:25	6/7/22	
Aroclor 1242	36 U	36	1	06/10/22 10:25	6/7/22	
Aroclor 1248	36 U	36	1	06/10/22 10:25	6/7/22	
Aroclor 1254	36 U	36	1	06/10/22 10:25	6/7/22	
Aroclor 1260	36 U	36	1	06/10/22 10:25	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	76	22 - 128	06/10/22 10:25	
Tetrachloro-m-xylene	72	14 - 119	06/10/22 10:25	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:35
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-FD-220602	**Units:**	ug/Kg
Lab Code:	R2205037-006	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	36 U	36	1	06/10/22 11:05	6/7/22	
Aroclor 1221	74 U	74	1	06/10/22 11:05	6/7/22	
Aroclor 1232	36 U	36	1	06/10/22 11:05	6/7/22	
Aroclor 1242	36 U	36	1	06/10/22 11:05	6/7/22	
Aroclor 1248	36 U	36	1	06/10/22 11:05	6/7/22	
Aroclor 1254	36 U	36	1	06/10/22 11:05	6/7/22	
Aroclor 1260	36 U	36	1	06/10/22 11:05	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	85	22 - 128	06/10/22 11:05	
Tetrachloro-m-xylene	86	14 - 119	06/10/22 11:05	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 13:50
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-5-6-220602	**Units:**	ug/Kg
Lab Code:	R2205037-007	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	40 U	40	1	06/10/22 11:25	6/7/22	
Aroclor 1221	80 U	80	1	06/10/22 11:25	6/7/22	
Aroclor 1232	40 U	40	1	06/10/22 11:25	6/7/22	
Aroclor 1242	40 U	40	1	06/10/22 11:25	6/7/22	
Aroclor 1248	40 U	40	1	06/10/22 11:25	6/7/22	
Aroclor 1254	40 U	40	1	06/10/22 11:25	6/7/22	
Aroclor 1260	40 U	40	1	06/10/22 11:25	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	58	22 - 128	06/10/22 11:25	
Tetrachloro-m-xylene	75	14 - 119	06/10/22 11:25	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:20
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-008	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	38 U	38	1	06/10/22 11:44	6/7/22	
Aroclor 1221	78 U	78	1	06/10/22 11:44	6/7/22	
Aroclor 1232	38 U	38	1	06/10/22 11:44	6/7/22	
Aroclor 1242	38 U	38	1	06/10/22 11:44	6/7/22	
Aroclor 1248	38 U	38	1	06/10/22 11:44	6/7/22	
Aroclor 1254	38 U	38	1	06/10/22 11:44	6/7/22	
Aroclor 1260	38 U	38	1	06/10/22 11:44	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	73	22 - 128	06/10/22 11:44	
Tetrachloro-m-xylene	80	14 - 119	06/10/22 11:44	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-7-8-220602	**Units:**	ug/Kg
Lab Code:	R2205037-009	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	38 U	38	1	06/10/22 12:43	6/7/22	
Aroclor 1221	77 U	77	1	06/10/22 12:43	6/7/22	
Aroclor 1232	38 U	38	1	06/10/22 12:43	6/7/22	
Aroclor 1242	38 U	38	1	06/10/22 12:43	6/7/22	
Aroclor 1248	38 U	38	1	06/10/22 12:43	6/7/22	
Aroclor 1254	38 U	38	1	06/10/22 12:43	6/7/22	
Aroclor 1260	38 U	38	1	06/10/22 12:43	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	77	22 - 128	06/10/22 12:43	
Tetrachloro-m-xylene	79	14 - 119	06/10/22 12:43	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:45
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-8-9-220602	**Units:**	ug/Kg
Lab Code:	R2205037-010	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	65 U	65	1	06/10/22 13:03	6/7/22	
Aroclor 1221	130 U	130	1	06/10/22 13:03	6/7/22	
Aroclor 1232	65 U	65	1	06/10/22 13:03	6/7/22	
Aroclor 1242	65 U	65	1	06/10/22 13:03	6/7/22	
Aroclor 1248	65 U	65	1	06/10/22 13:03	6/7/22	
Aroclor 1254	65 U	65	1	06/10/22 13:03	6/7/22	
Aroclor 1260	65 U	65	1	06/10/22 13:03	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	84	22 - 128	06/10/22 13:03	
Tetrachloro-m-xylene	81	14 - 119	06/10/22 13:03	

Metals

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Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 11:35
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-5-6-220602	**Basis:**	Dry
Lab Code:	R2205037-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Q	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	**4140**		mg/Kg	20	12	1	06/07/22 20:41	06/07/22	
Antimony, Total	6010C	0.6	U	mg/Kg	5.9	0.6	1	06/07/22 20:41	06/07/22	
Arsenic, Total	6010C	**11.2**		mg/Kg	0.98	0.70	1	06/07/22 20:41	06/07/22	
Barium, Total	6010C	**51.9**		mg/Kg	2.0	1.5	1	06/07/22 20:41	06/07/22	
Beryllium, Total	6010C	**0.33**		mg/Kg	0.29	0.03	1	06/07/22 20:41	06/07/22	
Cadmium, Total	6010C	**0.31**	**J**	mg/Kg	0.49	0.09	1	06/07/22 20:41	06/07/22	
Calcium, Total	6010C	**5090**		mg/Kg	98	32	1	06/07/22 20:41	06/07/22	
Chromium, Total	6010C	**12.9**		mg/Kg	0.98	0.35	1	06/07/22 20:41	06/07/22	
Cobalt, Total	6010C	**5.7**		mg/Kg	4.9	0.09	1	06/07/22 20:41	06/07/22	
Copper, Total	6010C	**19.4**		mg/Kg	2.0	0.2	1	06/07/22 20:41	06/07/22	
Iron, Total	6010C	**19200**		mg/Kg	200	130	10	06/07/22 21:49	06/07/22	
Lead, Total	6010C	**23.3**		mg/Kg	4.9	0.4	1	06/07/22 20:41	06/07/22	
Magnesium, Total	6010C	**4740**		mg/Kg	98	13	1	06/07/22 20:41	06/07/22	
Manganese, Total	6010C	**381**		mg/Kg	2.0	0.2	1	06/07/22 20:41	06/07/22	
Mercury, Total	7471B	**14.9**		mg/Kg	0.52	0.21	10	06/13/22 10:18	06/09/22	
Nickel, Total	6010C	**40.2**		mg/Kg	3.9	0.7	1	06/07/22 20:41	06/07/22	
Potassium, Total	6010C	**1320**		mg/Kg	200	50	1	06/07/22 20:41	06/07/22	
Selenium, Total	6010C	0.54	U	mg/Kg	0.98	0.54	1	06/07/22 20:41	06/07/22	
Silver, Total	6010C	0.09	U	mg/Kg	0.98	0.09	1	06/07/22 20:41	06/07/22	
Sodium, Total	6010C	**112**		mg/Kg	98	19	1	06/07/22 20:41	06/07/22	
Thallium, Total	6010C	0.65	U	mg/Kg	0.98	0.65	1	06/07/22 20:41	06/07/22	
Vanadium, Total	6010C	**21.7**		mg/Kg	4.9	0.07	1	06/07/22 20:41	06/07/22	
Zinc, Total	6010C	**38.0**		mg/Kg	2.0	1.4	1	06/07/22 20:41	06/07/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 11:45
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-6-7-220602	**Basis:**	Dry
Lab Code:	R2205037-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	**3930**	mg/Kg	20	12	1	06/07/22 20:44	06/07/22	
Antimony, Total	6010C	0.6 U	mg/Kg	5.9	0.6	1	06/07/22 20:44	06/07/22	
Arsenic, Total	6010C	**2.30**	mg/Kg	0.98	0.70	1	06/07/22 20:44	06/07/22	
Barium, Total	6010C	**41.4**	mg/Kg	2.0	1.5	1	06/07/22 20:44	06/07/22	
Beryllium, Total	6010C	**0.23 J**	mg/Kg	0.30	0.03	1	06/07/22 20:44	06/07/22	
Cadmium, Total	6010C	**0.19 J**	mg/Kg	0.49	0.09	1	06/07/22 20:44	06/07/22	
Calcium, Total	6010C	**10400**	mg/Kg	98	32	1	06/07/22 20:44	06/07/22	
Chromium, Total	6010C	**12.1**	mg/Kg	0.98	0.35	1	06/07/22 20:44	06/07/22	
Cobalt, Total	6010C	**5.1**	mg/Kg	4.9	0.09	1	06/07/22 20:44	06/07/22	
Copper, Total	6010C	**16.9**	mg/Kg	2.0	0.2	1	06/07/22 20:44	06/07/22	
Iron, Total	6010C	**12100**	mg/Kg	200	130	10	06/07/22 21:52	06/07/22	
Lead, Total	6010C	**11.1**	mg/Kg	4.9	0.4	1	06/07/22 20:44	06/07/22	
Magnesium, Total	6010C	**3530**	mg/Kg	98	13	1	06/07/22 20:44	06/07/22	
Manganese, Total	6010C	**262**	mg/Kg	2.0	0.2	1	06/07/22 20:44	06/07/22	
Mercury, Total	7471B	**6.71**	mg/Kg	0.49	0.20	10	06/13/22 11:25	06/09/22	
Nickel, Total	6010C	**16.8**	mg/Kg	3.9	0.7	1	06/07/22 20:44	06/07/22	
Potassium, Total	6010C	**1240**	mg/Kg	200	50	1	06/07/22 20:44	06/07/22	
Selenium, Total	6010C	0.54 U	mg/Kg	0.98	0.54	1	06/07/22 20:44	06/07/22	
Silver, Total	6010C	0.09 U	mg/Kg	0.98	0.09	1	06/07/22 20:44	06/07/22	
Sodium, Total	6010C	**112**	mg/Kg	98	19	1	06/07/22 20:44	06/07/22	
Thallium, Total	6010C	0.65 U	mg/Kg	0.98	0.65	1	06/07/22 20:44	06/07/22	
Vanadium, Total	6010C	**20.9**	mg/Kg	4.9	0.07	1	06/07/22 20:44	06/07/22	
Zinc, Total	6010C	**27.7**	mg/Kg	2.0	1.4	1	06/07/22 20:44	06/07/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:00
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-7-8-220602	**Basis:**	Dry
Lab Code:	R2205037-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	**4250**	mg/Kg	19	12	1	06/07/22 20:47	06/07/22	
Antimony, Total	6010C	0.6 U	mg/Kg	5.7	0.6	1	06/07/22 20:47	06/07/22	
Arsenic, Total	6010C	**3.35**	mg/Kg	0.95	0.70	1	06/07/22 20:47	06/07/22	
Barium, Total	6010C	**43.1**	mg/Kg	1.9	1.5	1	06/07/22 20:47	06/07/22	
Beryllium, Total	6010C	**0.32**	mg/Kg	0.28	0.03	1	06/07/22 20:47	06/07/22	
Cadmium, Total	6010C	**0.23 J**	mg/Kg	0.47	0.09	1	06/07/22 20:47	06/07/22	
Calcium, Total	6010C	**5580**	mg/Kg	95	32	1	06/07/22 20:47	06/07/22	
Chromium, Total	6010C	**13.0**	mg/Kg	0.95	0.35	1	06/07/22 20:47	06/07/22	
Cobalt, Total	6010C	**5.3**	mg/Kg	4.7	0.09	1	06/07/22 20:47	06/07/22	
Copper, Total	6010C	**20.5**	mg/Kg	1.9	0.2	1	06/07/22 20:47	06/07/22	
Iron, Total	6010C	**14600**	mg/Kg	190	130	10	06/07/22 21:55	06/07/22	
Lead, Total	6010C	**23.7**	mg/Kg	4.7	0.4	1	06/07/22 20:47	06/07/22	
Magnesium, Total	6010C	**3410**	mg/Kg	95	13	1	06/07/22 20:47	06/07/22	
Manganese, Total	6010C	**250**	mg/Kg	1.9	0.2	1	06/07/22 20:47	06/07/22	
Mercury, Total	7471B	**10.6**	mg/Kg	0.51	0.21	10	06/13/22 11:27	06/09/22	
Nickel, Total	6010C	**21.1**	mg/Kg	3.8	0.7	1	06/07/22 20:47	06/07/22	
Potassium, Total	6010C	**1130**	mg/Kg	190	50	1	06/07/22 20:47	06/07/22	
Selenium, Total	6010C	0.54 U	mg/Kg	0.95	0.54	1	06/07/22 20:47	06/07/22	
Silver, Total	6010C	0.09 U	mg/Kg	0.95	0.09	1	06/07/22 20:47	06/07/22	
Sodium, Total	6010C	**141**	mg/Kg	95	19	1	06/07/22 20:47	06/07/22	
Thallium, Total	6010C	0.65 U	mg/Kg	0.95	0.65	1	06/07/22 20:47	06/07/22	
Vanadium, Total	6010C	**24.9**	mg/Kg	4.7	0.07	1	06/07/22 20:47	06/07/22	
Zinc, Total	6010C	**31.7**	mg/Kg	1.9	1.4	1	06/07/22 20:47	06/07/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:15
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-8-9-220602	**Basis:**	Dry
Lab Code:	R2205037-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Q	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	**4010**		mg/Kg	20	13	1	06/07/22 20:51	06/07/22	
Antimony, Total	6010C	0.6	U	mg/Kg	6.1	0.6	1	06/07/22 20:51	06/07/22	
Arsenic, Total	6010C	**2.4**		mg/Kg	1.0	0.8	1	06/07/22 20:51	06/07/22	
Barium, Total	6010C	**36.7**		mg/Kg	2.0	1.6	1	06/07/22 20:51	06/07/22	
Beryllium, Total	6010C	**0.22**	**J**	mg/Kg	0.30	0.03	1	06/07/22 20:51	06/07/22	
Cadmium, Total	6010C	**0.17**	**J**	mg/Kg	0.51	0.09	1	06/07/22 20:51	06/07/22	
Calcium, Total	6010C	**3640**		mg/Kg	100	40	1	06/07/22 20:51	06/07/22	
Chromium, Total	6010C	**14.8**		mg/Kg	1.0	0.4	1	06/07/22 20:51	06/07/22	
Cobalt, Total	6010C	**5.5**		mg/Kg	5.1	0.09	1	06/07/22 20:51	06/07/22	
Copper, Total	6010C	**18.9**		mg/Kg	2.0	0.2	1	06/07/22 20:51	06/07/22	
Iron, Total	6010C	**12500**		mg/Kg	200	140	10	06/07/22 21:59	06/07/22	
Lead, Total	6010C	**12.0**		mg/Kg	5.1	0.5	1	06/07/22 20:51	06/07/22	
Magnesium, Total	6010C	**3860**		mg/Kg	100	20	1	06/07/22 20:51	06/07/22	
Manganese, Total	6010C	**223**		mg/Kg	2.0	0.2	1	06/07/22 20:51	06/07/22	
Mercury, Total	7471B	**6.77**		mg/Kg	0.49	0.20	10	06/13/22 11:29	06/09/22	
Nickel, Total	6010C	**23.3**		mg/Kg	4.1	0.7	1	06/07/22 20:51	06/07/22	
Potassium, Total	6010C	**970**		mg/Kg	200	60	1	06/07/22 20:51	06/07/22	
Selenium, Total	6010C	0.6	U	mg/Kg	1.0	0.6	1	06/07/22 20:51	06/07/22	
Silver, Total	6010C	0.10	U	mg/Kg	1.0	0.10	1	06/07/22 20:51	06/07/22	
Sodium, Total	6010C	**110**		mg/Kg	100	20	1	06/07/22 20:51	06/07/22	
Thallium, Total	6010C	0.7	U	mg/Kg	1.0	0.7	1	06/07/22 20:51	06/07/22	
Vanadium, Total	6010C	**17.9**		mg/Kg	5.1	0.07	1	06/07/22 20:51	06/07/22	
Zinc, Total	6010C	**31.6**		mg/Kg	2.0	1.5	1	06/07/22 20:51	06/07/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-9-10-220602	**Basis:**	Dry
Lab Code:	R2205037-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Q	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	**3450**		mg/Kg	20	12	1	06/07/22 21:00	06/07/22	
Antimony, Total	6010C	0.6	U	mg/Kg	5.9	0.6	1	06/07/22 21:00	06/07/22	
Arsenic, Total	6010C	**2.08**		mg/Kg	0.98	0.70	1	06/07/22 21:00	06/07/22	
Barium, Total	6010C	**37.4**		mg/Kg	2.0	1.5	1	06/07/22 21:00	06/07/22	
Beryllium, Total	6010C	**0.23**	**J**	mg/Kg	0.29	0.03	1	06/07/22 21:00	06/07/22	
Cadmium, Total	6010C	**0.23**	**J**	mg/Kg	0.49	0.09	1	06/07/22 21:00	06/07/22	
Calcium, Total	6010C	**4570**		mg/Kg	98	32	1	06/07/22 21:00	06/07/22	
Chromium, Total	6010C	**9.89**		mg/Kg	0.98	0.35	1	06/07/22 21:00	06/07/22	
Cobalt, Total	6010C	**7.9**		mg/Kg	4.9	0.09	1	06/07/22 21:00	06/07/22	
Copper, Total	6010C	**23.5**		mg/Kg	2.0	0.2	1	06/07/22 21:00	06/07/22	
Iron, Total	6010C	**11800**		mg/Kg	200	130	10	06/07/22 22:02	06/07/22	
Lead, Total	6010C	**11.4**		mg/Kg	4.9	0.4	1	06/07/22 21:00	06/07/22	
Magnesium, Total	6010C	**2660**		mg/Kg	98	13	1	06/07/22 21:00	06/07/22	
Manganese, Total	6010C	**229**		mg/Kg	2.0	0.2	1	06/07/22 21:00	06/07/22	
Mercury, Total	7471B	**5.68**		mg/Kg	0.43	0.17	10	06/13/22 11:31	06/09/22	
Nickel, Total	6010C	**16.6**		mg/Kg	3.9	0.7	1	06/07/22 21:00	06/07/22	
Potassium, Total	6010C	**910**		mg/Kg	200	50	1	06/07/22 21:00	06/07/22	
Selenium, Total	6010C	0.54	U	mg/Kg	0.98	0.54	1	06/07/22 21:00	06/07/22	
Silver, Total	6010C	0.09	U	mg/Kg	0.98	0.09	1	06/07/22 21:00	06/07/22	
Sodium, Total	6010C	**151**		mg/Kg	98	19	1	06/07/22 21:00	06/07/22	
Thallium, Total	6010C	0.65	U	mg/Kg	0.98	0.65	1	06/07/22 21:00	06/07/22	
Vanadium, Total	6010C	**18.6**		mg/Kg	4.9	0.07	1	06/07/22 21:00	06/07/22	
Zinc, Total	6010C	**29.9**		mg/Kg	2.0	1.4	1	06/07/22 21:00	06/07/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:35
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-FD-220602	**Basis:**	Dry
Lab Code:	R2205037-006		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	**3570**	mg/Kg	21	13	1	06/07/22 21:04	06/07/22	
Antimony, Total	6010C	0.6 U	mg/Kg	6.2	0.6	1	06/07/22 21:04	06/07/22	
Arsenic, Total	6010C	**1.9**	mg/Kg	1.0	0.8	1	06/07/22 21:04	06/07/22	
Barium, Total	6010C	**29.3**	mg/Kg	2.1	1.6	1	06/07/22 21:04	06/07/22	
Beryllium, Total	6010C	**0.28 J**	mg/Kg	0.31	0.03	1	06/07/22 21:04	06/07/22	
Cadmium, Total	6010C	**0.17 J**	mg/Kg	0.51	0.09	1	06/07/22 21:04	06/07/22	
Calcium, Total	6010C	**5310**	mg/Kg	100	40	1	06/07/22 21:04	06/07/22	
Chromium, Total	6010C	**13.0**	mg/Kg	1.0	0.4	1	06/07/22 21:04	06/07/22	
Cobalt, Total	6010C	**4.3 J**	mg/Kg	5.1	0.09	1	06/07/22 21:04	06/07/22	
Copper, Total	6010C	**15.8**	mg/Kg	2.1	0.2	1	06/07/22 21:04	06/07/22	
Iron, Total	6010C	**12100**	mg/Kg	210	140	10	06/07/22 22:05	06/07/22	
Lead, Total	6010C	**8.6**	mg/Kg	5.1	0.5	1	06/07/22 21:04	06/07/22	
Magnesium, Total	6010C	**5020**	mg/Kg	100	20	1	06/07/22 21:04	06/07/22	
Manganese, Total	6010C	**194**	mg/Kg	2.1	0.2	1	06/07/22 21:04	06/07/22	
Mercury, Total	7471B	**7.88**	mg/Kg	0.41	0.17	10	06/13/22 11:33	06/09/22	
Nickel, Total	6010C	**28.6**	mg/Kg	4.1	0.7	1	06/07/22 21:04	06/07/22	
Potassium, Total	6010C	**770**	mg/Kg	210	60	1	06/07/22 21:04	06/07/22	
Selenium, Total	6010C	0.6 U	mg/Kg	1.0	0.6	1	06/07/22 21:04	06/07/22	
Silver, Total	6010C	0.10 U	mg/Kg	1.0	0.10	1	06/07/22 21:04	06/07/22	
Sodium, Total	6010C	**120**	mg/Kg	100	20	1	06/07/22 21:04	06/07/22	
Thallium, Total	6010C	0.7 U	mg/Kg	1.0	0.7	1	06/07/22 21:04	06/07/22	
Vanadium, Total	6010C	**17.0**	mg/Kg	5.1	0.08	1	06/07/22 21:04	06/07/22	
Zinc, Total	6010C	**29.4**	mg/Kg	2.1	1.5	1	06/07/22 21:04	06/07/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 13:50
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-5-6-220602	**Basis:**	Dry
Lab Code:	R2205037-007		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Q	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	**6050**		mg/Kg	21	13	1	06/07/22 21:07	06/07/22	
Antimony, Total	6010C	0.6	U	mg/Kg	6.4	0.6	1	06/07/22 21:07	06/07/22	
Arsenic, Total	6010C	**33.7**		mg/Kg	1.1	0.8	1	06/07/22 21:07	06/07/22	
Barium, Total	6010C	**67.8**		mg/Kg	2.1	1.6	1	06/07/22 21:07	06/07/22	
Beryllium, Total	6010C	**0.34**		mg/Kg	0.32	0.04	1	06/07/22 21:07	06/07/22	
Cadmium, Total	6010C	**0.40**	**J**	mg/Kg	0.53	0.10	1	06/07/22 21:07	06/07/22	
Calcium, Total	6010C	**2840**		mg/Kg	110	40	1	06/07/22 21:07	06/07/22	
Chromium, Total	6010C	**21.4**		mg/Kg	1.1	0.4	1	06/07/22 21:07	06/07/22	
Cobalt, Total	6010C	**7.6**		mg/Kg	5.3	0.09	1	06/07/22 21:07	06/07/22	
Copper, Total	6010C	**25.2**		mg/Kg	2.1	0.2	1	06/07/22 21:07	06/07/22	
Iron, Total	6010C	**17200**		mg/Kg	210	140	10	06/07/22 22:08	06/07/22	
Lead, Total	6010C	**20.6**		mg/Kg	5.3	0.5	1	06/07/22 21:07	06/07/22	
Magnesium, Total	6010C	**3870**		mg/Kg	110	20	1	06/07/22 21:07	06/07/22	
Manganese, Total	6010C	**399**		mg/Kg	2.1	0.2	1	06/07/22 21:07	06/07/22	
Mercury, Total	7471B	**170**		mg/Kg	5.6	2.2	100	06/13/22 11:35	06/09/22	
Nickel, Total	6010C	**24.6**		mg/Kg	4.2	0.8	1	06/07/22 21:07	06/07/22	
Potassium, Total	6010C	**1870**		mg/Kg	210	60	1	06/07/22 21:07	06/07/22	
Selenium, Total	6010C	0.6	U	mg/Kg	1.1	0.6	1	06/07/22 21:07	06/07/22	
Silver, Total	6010C	0.10	U	mg/Kg	1.1	0.10	1	06/07/22 21:07	06/07/22	
Sodium, Total	6010C	**110**	**J**	mg/Kg	110	30	1	06/07/22 21:07	06/07/22	
Thallium, Total	6010C	0.7	U	mg/Kg	1.1	0.7	1	06/07/22 21:07	06/07/22	
Vanadium, Total	6010C	**26.3**		mg/Kg	5.3	0.08	1	06/07/22 21:07	06/07/22	
Zinc, Total	6010C	**164**		mg/Kg	2.1	1.5	1	06/07/22 21:07	06/07/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:20
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-6-7-220602	**Basis:**	Dry
Lab Code:	R2205037-008		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Q	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	**6020**		mg/Kg	20	13	1	06/07/22 21:10	06/07/22	
Antimony, Total	6010C	0.6	U	mg/Kg	6.1	0.6	1	06/07/22 21:10	06/07/22	
Arsenic, Total	6010C	**14.7**		mg/Kg	1.0	0.8	1	06/07/22 21:10	06/07/22	
Barium, Total	6010C	**59.5**		mg/Kg	2.0	1.6	1	06/07/22 21:10	06/07/22	
Beryllium, Total	6010C	**0.33**		mg/Kg	0.30	0.03	1	06/07/22 21:10	06/07/22	
Cadmium, Total	6010C	**0.48**	**J**	mg/Kg	0.51	0.09	1	06/07/22 21:10	06/07/22	
Calcium, Total	6010C	**3420**		mg/Kg	100	40	1	06/07/22 21:10	06/07/22	
Chromium, Total	6010C	**19.2**		mg/Kg	1.0	0.4	1	06/07/22 21:10	06/07/22	
Cobalt, Total	6010C	**7.1**		mg/Kg	5.1	0.09	1	06/07/22 21:10	06/07/22	
Copper, Total	6010C	**26.4**		mg/Kg	2.0	0.2	1	06/07/22 21:10	06/07/22	
Iron, Total	6010C	**16900**		mg/Kg	200	140	10	06/07/22 22:18	06/07/22	
Lead, Total	6010C	**25.4**		mg/Kg	5.1	0.5	1	06/07/22 21:10	06/07/22	
Magnesium, Total	6010C	**4130**		mg/Kg	100	20	1	06/07/22 21:10	06/07/22	
Manganese, Total	6010C	**372**		mg/Kg	2.0	0.2	1	06/07/22 21:10	06/07/22	
Mercury, Total	7471B	**353**		mg/Kg	22	9	500	06/13/22 11:41	06/09/22	
Nickel, Total	6010C	**22.0**		mg/Kg	4.0	0.7	1	06/07/22 21:10	06/07/22	
Potassium, Total	6010C	**1980**		mg/Kg	200	60	1	06/07/22 21:10	06/07/22	
Selenium, Total	6010C	0.6	U	mg/Kg	1.0	0.6	1	06/07/22 21:10	06/07/22	
Silver, Total	6010C	0.10	U	mg/Kg	1.0	0.10	1	06/07/22 21:10	06/07/22	
Sodium, Total	6010C	**110**		mg/Kg	100	20	1	06/07/22 21:10	06/07/22	
Thallium, Total	6010C	0.7	U	mg/Kg	1.0	0.7	1	06/07/22 21:10	06/07/22	
Vanadium, Total	6010C	**27.1**		mg/Kg	5.1	0.07	1	06/07/22 21:10	06/07/22	
Zinc, Total	6010C	**146**		mg/Kg	2.0	1.5	1	06/07/22 21:10	06/07/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-7-8-220602	**Basis:**	Dry
Lab Code:	R2205037-009		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	**3960**	mg/Kg	20	13	1	06/07/22 21:26	06/07/22	
Antimony, Total	6010C	0.6 U	mg/Kg	6.0	0.6	1	06/07/22 21:26	06/07/22	
Arsenic, Total	6010C	**4.3**	mg/Kg	1.0	0.8	1	06/07/22 21:26	06/07/22	
Barium, Total	6010C	**32.1**	mg/Kg	2.0	1.6	1	06/07/22 21:26	06/07/22	
Beryllium, Total	6010C	**0.27 J**	mg/Kg	0.30	0.03	1	06/07/22 21:26	06/07/22	
Cadmium, Total	6010C	**0.19 J**	mg/Kg	0.50	0.09	1	06/07/22 21:26	06/07/22	
Calcium, Total	6010C	**5680**	mg/Kg	100	40	1	06/07/22 21:26	06/07/22	
Chromium, Total	6010C	**11.0**	mg/Kg	1.0	0.4	1	06/07/22 21:26	06/07/22	
Cobalt, Total	6010C	**4.6 J**	mg/Kg	5.0	0.09	1	06/07/22 21:26	06/07/22	
Copper, Total	6010C	**13.7**	mg/Kg	2.0	0.2	1	06/07/22 21:26	06/07/22	
Iron, Total	6010C	**10400**	mg/Kg	200	140	10	06/07/22 22:34	06/07/22	
Lead, Total	6010C	**6.8**	mg/Kg	5.0	0.5	1	06/07/22 21:26	06/07/22	
Magnesium, Total	6010C	**3120**	mg/Kg	100	20	1	06/07/22 21:26	06/07/22	
Manganese, Total	6010C	**212**	mg/Kg	2.0	0.2	1	06/07/22 21:26	06/07/22	
Mercury, Total	7471B	**24.2**	mg/Kg	4.3	1.7	100	06/13/22 11:47	06/09/22	
Nickel, Total	6010C	**17.7**	mg/Kg	4.0	0.7	1	06/07/22 21:26	06/07/22	
Potassium, Total	6010C	**1090**	mg/Kg	200	60	1	06/07/22 21:26	06/07/22	
Selenium, Total	6010C	0.6 U	mg/Kg	1.0	0.6	1	06/07/22 21:26	06/07/22	
Silver, Total	6010C	0.10 U	mg/Kg	1.0	0.10	1	06/07/22 21:26	06/07/22	
Sodium, Total	6010C	**130**	mg/Kg	100	20	1	06/07/22 21:26	06/07/22	
Thallium, Total	6010C	0.7 U	mg/Kg	1.0	0.7	1	06/07/22 21:26	06/07/22	
Vanadium, Total	6010C	**18.5**	mg/Kg	5.0	0.07	1	06/07/22 21:26	06/07/22	
Zinc, Total	6010C	**32.8**	mg/Kg	2.0	1.5	1	06/07/22 21:26	06/07/22	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:45
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-8-9-220602	**Basis:**	Dry
Lab Code:	R2205037-010		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	**4260**	mg/Kg	20	13	1	06/07/22 21:30	06/07/22	
Antimony, Total	6010C	0.6 U	mg/Kg	6.1	0.6	1	06/07/22 21:30	06/07/22	
Arsenic, Total	6010C	**3.8**	mg/Kg	1.0	0.8	1	06/07/22 21:30	06/07/22	
Barium, Total	6010C	**32.8**	mg/Kg	2.0	1.6	1	06/07/22 21:30	06/07/22	
Beryllium, Total	6010C	**0.34**	mg/Kg	0.30	0.03	1	06/07/22 21:30	06/07/22	
Cadmium, Total	6010C	**0.18 J**	mg/Kg	0.50	0.09	1	06/07/22 21:30	06/07/22	
Calcium, Total	6010C	**3020**	mg/Kg	100	40	1	06/07/22 21:30	06/07/22	
Chromium, Total	6010C	**13.3**	mg/Kg	1.0	0.4	1	06/07/22 21:30	06/07/22	
Cobalt, Total	6010C	**5.0 J**	mg/Kg	5.0	0.09	1	06/07/22 21:30	06/07/22	
Copper, Total	6010C	**13.5**	mg/Kg	2.0	0.2	1	06/07/22 21:30	06/07/22	
Iron, Total	6010C	**11300**	mg/Kg	200	140	10	06/07/22 22:38	06/07/22	
Lead, Total	6010C	**8.6**	mg/Kg	5.0	0.5	1	06/07/22 21:30	06/07/22	
Magnesium, Total	6010C	**3820**	mg/Kg	100	20	1	06/07/22 21:30	06/07/22	
Manganese, Total	6010C	**208**	mg/Kg	2.0	0.2	1	06/07/22 21:30	06/07/22	
Mercury, Total	7471B	**41.1**	mg/Kg	2.7	1.1	50	06/13/22 11:49	06/09/22	
Nickel, Total	6010C	**23.8**	mg/Kg	4.0	0.7	1	06/07/22 21:30	06/07/22	
Potassium, Total	6010C	**1100**	mg/Kg	200	60	1	06/07/22 21:30	06/07/22	
Selenium, Total	6010C	0.6 U	mg/Kg	1.0	0.6	1	06/07/22 21:30	06/07/22	
Silver, Total	6010C	0.10 U	mg/Kg	1.0	0.10	1	06/07/22 21:30	06/07/22	
Sodium, Total	6010C	**140**	mg/Kg	100	20	1	06/07/22 21:30	06/07/22	
Thallium, Total	6010C	0.7 U	mg/Kg	1.0	0.7	1	06/07/22 21:30	06/07/22	
Vanadium, Total	6010C	**19.4**	mg/Kg	5.0	0.07	1	06/07/22 21:30	06/07/22	
Zinc, Total	6010C	**30.4**	mg/Kg	2.0	1.5	1	06/07/22 21:30	06/07/22	

General Chemistry

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www.alsglobal.com

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 11:35
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-5-6-220602	**Basis:**	As Received
Lab Code:	R2205037-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**96.0**	Percent	-	-	1	06/07/22 05:35	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 11:45
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-6-7-220602	**Basis:**	As Received
Lab Code:	R2205037-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**95.9**	Percent	-	-	1	06/07/22 05:35	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:00
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-7-8-220602	**Basis:**	As Received
Lab Code:	R2205037-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**96.2**	Percent	-	-	1	06/07/22 05:35	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:15
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-8-9-220602	**Basis:**	As Received
Lab Code:	R2205037-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**96.7**	Percent	-	-	1	06/07/22 05:35	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-9-10-220602	**Basis:**	As Received
Lab Code:	R2205037-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**96.1**	Percent	-	-	1	06/07/22 05:35	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 12:35
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB2-FD-220602	**Basis:**	As Received
Lab Code:	R2205037-006		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**95.5**	Percent	-	-	1	06/07/22 05:35	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 13:50
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-5-6-220602	**Basis:**	As Received
Lab Code:	R2205037-007		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**88.9**	Percent	-	-	1	06/07/22 05:35	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:20
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-6-7-220602	**Basis:**	As Received
Lab Code:	R2205037-008		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**90.0**	Percent	-	-	1	06/07/22 05:35	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:30
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-7-8-220602	**Basis:**	As Received
Lab Code:	R2205037-009		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**92.2**	Percent	-	-	1	06/07/22 05:35	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22 14:45
Sample Matrix:	Soil	**Date Received:**	06/03/22 09:35
Sample Name:	SB5-8-9-220602	**Basis:**	As Received
Lab Code:	R2205037-010		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**91.7**	Percent	-	-	1	06/07/22 05:35	

QC Summary Forms

ALS Environmental—Rochester Laboratory
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Volatile Organic Compounds by GC/MS

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Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Anchor QEA, LLC **Service Request:** R2205037
Project: John Street/E.10921.03.01
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5035A

Sample Name	Lab Code	4-Bromofluorobenzene 31-154	Dibromofluoromethane 63-138	Toluene-d8 66-138
SB2-5-6-220602	R2205037-001	98	99	98
SB2-6-7-220602	R2205037-002	97	102	99
SB2-7-8-220602	R2205037-003	97	100	100
SB2-8-9-220602	R2205037-004	99	100	99
SB2-9-10-220602	R2205037-005	101	100	102
SB2-FD-220602	R2205037-006	99	101	102
SB5-5-6-220602	R2205037-007	99	102	101
SB5-6-7-220602	R2205037-008	100	103	102
SB5-7-8-220602	R2205037-009	99	100	101
SB5-8-9-220602	R2205037-010	101	102	100
Method Blank	RQ2206435-04	93	94	92
Method Blank	RQ2206467-05	101	100	102
Lab Control Sample	RQ2206435-03	93	92	89
Lab Control Sample	RQ2206467-03	103	103	101
Duplicate Lab Control Sample	RQ2206467-04	102	102	101
SB5-6-7-220602 MS	RQ2206435-05	105	104	102
SB5-6-7-220602 DMS	RQ2206435-06	104	103	101

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QA/QC Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22
Sample Matrix:	Soil	**Date Received:**	06/03/22
		Date Analyzed:	06/8/22
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	SB5-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-008	**Basis:**	Dry
Analysis Method:	8260C		
Prep Method:	EPA 5035A		

		Matrix Spike RQ2206435-05			**Duplicate Matrix Spike** RQ2206435-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1,2-Tetrachloroethane	0.20 U	49.5	49.4	100	47.7	46.7	102	41-124	2	30
1,1,1-Trichloroethane (TCA)	0.20 U	56.8	49.4	115	52.8	46.7	113	44-124	2	30
1,1,2,2-Tetrachloroethane	0.44 U	46.9	49.4	95	43.7	46.7	94	41-155	1	30
1,1,2-Trichloroethane	0.20 U	50.0	49.4	101	47.1	46.7	101	48-124	<1	30
1,1-Dichloroethane (1,1-DCA)	0.20 U	55.2	49.4	112	51.7	46.7	111	41-138	<1	30
1,1-Dichloroethene (1,1-DCE)	0.29 U	57.0	49.4	115	52.3	46.7	112	46-124	3	30
1,1-Dichloropropene	0.20 U	55.9	49.4	113	53.3	46.7	114	33-131	<1	30
1,2,3-Trichlorobenzene	0.52 U	32.8	49.4	66	33.7	46.7	72	10-169	9	30
1,2,3-Trichloropropane	0.20 U	47.2	49.4	95	44.4	46.7	95	39-160	<1	30
1,2,4-Trichlorobenzene	0.42 U	32.8	49.4	66	33.2	46.7	71	10-169	7	30
1,2,4-Trimethylbenzene	0.20 U	41.0	49.4	83	41.1	46.7	88	15-141	6	30
1,2-Dibromo-3-chloropropane (DBCP)	0.75 U	44.5	49.4	90	42.0	46.7	90	30-136	<1	30
1,2-Dibromoethane	0.20 U	50.7	49.4	103	48.3	46.7	103	38-129	<1	30
1,2-Dichlorobenzene	0.20 U	39.6	49.4	80	39.7	46.7	85	11-152	6	30
1,2-Dichloroethane	0.20 U	53.0	49.4	107	50.6	46.7	108	49-119	<1	30
1,2-Dichloropropane	0.20 U	50.5	49.4	102	47.7	46.7	102	60-126	<1	30
1,3,5-Trimethylbenzene	0.20 U	42.2	49.4	85	42.4	46.7	91	21-148	7	30
1,3-Dichlorobenzene	0.20 U	38.4	49.4	78	38.6	46.7	83	13-151	6	30
1,3-Dichloropropane	0.20 U	50.3	49.4	102	47.7	46.7	102	54-128	<1	30
1,4-Dichlorobenzene	0.22 U	37.8	49.4	76	37.7	46.7	81	10-151	6	30
1,4-Dioxane	20 U	1040	989	105	1150	933	123	49-188	16	30
2,2-Dichloropropane	0.20 U	53.9	49.4	109	50.8	46.7	109	27-130	<1	30
2-Butanone (MEK)	2.0 U	53.3	49.4	108	48.4	46.7	104	13-176	4	30
2-Chlorotoluene	0.20 U	41.6	49.4	84	41.4	46.7	89	28-138	6	30
2-Hexanone	0.36 U	52.9	49.4	107	49.1	46.7	105	12-163	2	30
4-Chlorotoluene	0.20 U	40.1	49.4	81	39.7	46.7	85	22-135	5	30
4-Isopropyltoluene	0.20 U	39.9	49.4	81	40.4	46.7	87	11-141	7	30
4-Methyl-2-pentanone	0.23 U	52.4	49.4	106	48.5	46.7	104	38-148	2	30
Acetone	15 U	79.6	49.4	161	80.6	46.7	173	11-183	7	30
Acrylonitrile	0.89 U	253	247	102	231	233	99	33-152	3	30
Benzene	0.20 U	51.3	49.4	104	48.8	46.7	105	51-123	<1	30
Bromobenzene	0.20 U	41.6	49.4	84	39.8	46.7	85	16-166	1	30
Bromochloromethane	0.20 U	51.7	49.4	104	48.9	46.7	105	46-129	<1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

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Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22
Sample Matrix:	Soil	**Date Received:**	06/03/22
		Date Analyzed:	06/8/22
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	SB5-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-008	**Basis:**	Dry
Analysis Method:	8260C		
Prep Method:	EPA 5035A		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2206435-05			RQ2206435-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Bromodichloromethane	0.20 U	50.3	49.4	102	48.4	46.7	104	39-122	2	30
Bromoform	0.50 U	52.0	49.4	105	50.0	46.7	107	16-135	2	30
Bromomethane	2.1 U	86.8	49.4	176 *	63.3	46.7	136	10-150	26	30
Carbon Disulfide	0.29 U	48.7	49.4	99	45.6	46.7	98	44-139	1	30
Carbon Tetrachloride	0.26 U	57.2	49.4	116	54.4	46.7	117	46-137	<1	30
Chlorobenzene	0.20 U	45.6	49.4	92	45.1	46.7	97	25-129	5	30
Chloroethane	0.41 U	59.9	49.4	121	48.8	46.7	105	10-166	14	30
Chloroform	0.20 U	54.2	49.4	110	50.7	46.7	109	55-118	<1	30
Chloromethane	1.4 U	65.2	49.4	132	63.4	46.7	136	10-139	3	30
Dibromochloromethane	0.20 U	49.2	49.4	100	46.3	46.7	99	36-125	1	30
Dibromomethane	0.20 U	51.7	49.4	105	47.6	46.7	102	29-115	3	30
Dichlorodifluoromethane (CFC 12)	0.33 U	55.8	49.4	113	56.9	46.7	122	51-144	8	30
Methylene Chloride	2.8 U	53.4	49.4	108	50.9	46.7	109	49-125	<1	30
Diethyl Ether	0.25 U	52.6	49.4	106	50.1	46.7	107	64-133	<1	30
Ethylbenzene	0.99 U	47.2	49.4	96	46.3	46.7	99	23-132	3	30
Hexachlorobutadiene	0.47 U	35.4	49.4	72	37.0	46.7	79	10-159	9	30
Isopropylbenzene (Cumene)	0.20 U	47.3	49.4	96	47.1	46.7	101	18-133	5	30
Methyl tert-Butyl Ether	0.20 U	52.7	49.4	106	49.4	46.7	106	62-130	<1	30
Naphthalene	0.98 U	40.5	49.4	82	39.8	46.7	85	10-188	4	30
Styrene	0.99 U	44.0	49.4	89	42.9	46.7	92	15-160	3	30
Tetrachloroethene (PCE)	0.23 U	49.7	49.4	101	49.1	46.7	105	21-137	4	30
Toluene	2.0 U	49.7	49.4	101	47.6	46.7	102	11-152	<1	30
Trichloroethene (TCE)	0.22 U	51.7	49.4	105	51.3	46.7	110	23-140	5	30
Trichlorofluoromethane (CFC 11)	0.26 U	64.8	49.4	131 *	58.5	46.7	125	47-129	5	30
Vinyl Acetate	0.78 U	43.6	49.4	88	36.5	46.7	78	10-159	12	30
Vinyl Chloride	0.46 U	57.3	49.4	116	54.1	46.7	116	59-153	<1	30
cis-1,2-Dichloroethene	0.20 U	54.4	49.4	110	50.4	46.7	108	42-129	2	30
cis-1,3-Dichloropropene	0.20 U	48.0	49.4	97	46.5	46.7	100	14-139	3	30
m,p-Xylenes	2.0 U	93.2	98.9	94	92.6	93.3	99	20-135	5	30
n-Butylbenzene	0.20 U	37.0	49.4	75	38.3	46.7	82	10-168	9	30
n-Propylbenzene	0.20 U	42.1	49.4	85	42.4	46.7	91	20-139	7	30
o-Xylene	0.99 U	47.7	49.4	97	45.8	46.7	98	26-137	1	30
sec-Butylbenzene	0.20 U	41.7	49.4	84	43.0	46.7	92	11-140	9	30

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Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22
Sample Matrix:	Soil	**Date Received:**	06/03/22
		Date Analyzed:	06/8/22
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	SB5-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-008	**Basis:**	Dry
Analysis Method:	8260C		
Prep Method:	EPA 5035A		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2206435-05			RQ2206435-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
tert-Butylbenzene	0.20 U	44.0	49.4	89	43.5	46.7	93	19-148	4	30
trans-1,2-Dichloroethene	0.20 U	53.9	49.4	109	50.7	46.7	109	34-128	<1	30
trans-1,3-Dichloropropene	0.20 U	49.0	49.4	99	46.1	46.7	99	17-155	<1	30
trans-1,4-Dichloro-2-butene	0.22 U	41.6	49.4	84	39.2	46.7	84	10-162	<1	30

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2206435-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,1,2,2-Tetrachloroethane	0.44 U	5.0	0.44	1	06/08/22 11:56	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,1-Dichloroethene (1,1-DCE)	0.29 U	5.0	0.29	1	06/08/22 11:56	
1,1-Dichloropropene	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,2,3-Trichlorobenzene	0.52 U	5.0	0.52	1	06/08/22 11:56	
1,2,3-Trichloropropane	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,2,4-Trichlorobenzene	0.42 U	5.0	0.42	1	06/08/22 11:56	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,2-Dibromo-3-chloropropane (DBCP)	0.75 U	5.0	0.75	1	06/08/22 11:56	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,3-Dichloropropane	0.20 U	5.0	0.20	1	06/08/22 11:56	
1,4-Dichlorobenzene	0.22 U	5.0	0.22	1	06/08/22 11:56	
1,4-Dioxane	20 U	100	20	1	06/08/22 11:56	
2,2-Dichloropropane	0.20 U	5.0	0.20	1	06/08/22 11:56	
2-Butanone (MEK)	2.0 U	5.0	2.0	1	06/08/22 11:56	
2-Chlorotoluene	0.20 U	5.0	0.20	1	06/08/22 11:56	
2-Hexanone	0.36 U	5.0	0.36	1	06/08/22 11:56	
4-Chlorotoluene	0.20 U	5.0	0.20	1	06/08/22 11:56	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	06/08/22 11:56	
4-Methyl-2-pentanone	0.23 U	5.0	0.23	1	06/08/22 11:56	
Acetone	15 U	25	15	1	06/08/22 11:56	
Acrylonitrile	0.89 U	25	0.89	1	06/08/22 11:56	
Benzene	0.20 U	5.0	0.20	1	06/08/22 11:56	
Bromobenzene	0.20 U	5.0	0.20	1	06/08/22 11:56	
Bromochloromethane	0.20 U	5.0	0.20	1	06/08/22 11:56	
Bromodichloromethane	0.20 U	5.0	0.20	1	06/08/22 11:56	
Bromoform	0.50 U	5.0	0.50	1	06/08/22 11:56	
Bromomethane	2.1 U	5.0	2.1	1	06/08/22 11:56	
Carbon Disulfide	0.29 U	5.0	0.29	1	06/08/22 11:56	
Carbon Tetrachloride	0.26 U	5.0	0.26	1	06/08/22 11:56	
Chlorobenzene	0.20 U	5.0	0.20	1	06/08/22 11:56	
Chloroethane	0.41 U	5.0	0.41	1	06/08/22 11:56	
Chloroform	0.20 U	5.0	0.20	1	06/08/22 11:56	
Chloromethane	1.4 U	5.0	1.4	1	06/08/22 11:56	
Dibromochloromethane	0.20 U	5.0	0.20	1	06/08/22 11:56	

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2206435-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.20 U	5.0	0.20	1	06/08/22 11:56	
Dichlorodifluoromethane (CFC 12)	0.33 U	5.0	0.33	1	06/08/22 11:56	
Methylene Chloride	2.8 U	5.0	2.8	1	06/08/22 11:56	
Diethyl Ether	0.25 U	5.0	0.25	1	06/08/22 11:56	
Ethylbenzene	1.0 U	5.0	1.0	1	06/08/22 11:56	
Hexachlorobutadiene	0.47 U	5.0	0.47	1	06/08/22 11:56	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	06/08/22 11:56	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	06/08/22 11:56	
Naphthalene	0.99 U	5.0	0.99	1	06/08/22 11:56	
Styrene	1.0 U	5.0	1.0	1	06/08/22 11:56	
Tetrachloroethene (PCE)	0.23 U	5.0	0.23	1	06/08/22 11:56	
Toluene	2.0 U	5.0	2.0	1	06/08/22 11:56	
Trichloroethene (TCE)	0.22 U	5.0	0.22	1	06/08/22 11:56	
Trichlorofluoromethane (CFC 11)	0.26 U	5.0	0.26	1	06/08/22 11:56	
Vinyl Acetate	0.78 U	10	0.78	1	06/08/22 11:56	
Vinyl Chloride	0.46 U	5.0	0.46	1	06/08/22 11:56	
Xylenes, Total	0.52 U	15	0.52	1	06/08/22 11:56	
cis-1,2-Dichloroethene	0.20 U	5.0	0.20	1	06/08/22 11:56	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	06/08/22 11:56	
m,p-Xylenes	2.0 U	10	2.0	1	06/08/22 11:56	
n-Butylbenzene	0.20 U	5.0	0.20	1	06/08/22 11:56	
n-Propylbenzene	0.20 U	5.0	0.20	1	06/08/22 11:56	
o-Xylene	1.0 U	5.0	1.0	1	06/08/22 11:56	
sec-Butylbenzene	0.20 U	5.0	0.20	1	06/08/22 11:56	
tert-Butylbenzene	0.20 U	5.0	0.20	1	06/08/22 11:56	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	06/08/22 11:56	
trans-1,3-Dichloropropene	0.20 U	5.0	0.20	1	06/08/22 11:56	
trans-1,4-Dichloro-2-butene	0.22 U	5.0	0.22	1	06/08/22 11:56	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	31 - 154	06/08/22 11:56	
Dibromofluoromethane	94	63 - 138	06/08/22 11:56	
Toluene-d8	92	66 - 138	06/08/22 11:56	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2206467-05	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	5.0	0.20	1	06/09/22 12:00	
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	06/09/22 12:00	
1,1,2,2-Tetrachloroethane	0.44 U	5.0	0.44	1	06/09/22 12:00	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	06/09/22 12:00	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	06/09/22 12:00	
1,1-Dichloroethene (1,1-DCE)	0.29 U	5.0	0.29	1	06/09/22 12:00	
1,1-Dichloropropene	0.20 U	5.0	0.20	1	06/09/22 12:00	
1,2,3-Trichlorobenzene	0.52 U	5.0	0.52	1	06/09/22 12:00	
1,2,3-Trichloropropane	0.20 U	5.0	0.20	1	06/09/22 12:00	
1,2,4-Trichlorobenzene	0.42 U	5.0	0.42	1	06/09/22 12:00	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	06/09/22 12:00	
1,2-Dibromo-3-chloropropane (DBCP)	0.75 U	5.0	0.75	1	06/09/22 12:00	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	06/09/22 12:00	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	06/09/22 12:00	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	06/09/22 12:00	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	06/09/22 12:00	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	06/09/22 12:00	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	06/09/22 12:00	
1,3-Dichloropropane	0.20 U	5.0	0.20	1	06/09/22 12:00	
1,4-Dichlorobenzene	0.22 U	5.0	0.22	1	06/09/22 12:00	
1,4-Dioxane	20 U	100	20	1	06/09/22 12:00	
2,2-Dichloropropane	0.20 U	5.0	0.20	1	06/09/22 12:00	
2-Butanone (MEK)	2.0 U	5.0	2.0	1	06/09/22 12:00	
2-Chlorotoluene	0.20 U	5.0	0.20	1	06/09/22 12:00	
2-Hexanone	**0.60 J**	5.0	0.36	1	06/09/22 12:00	
4-Chlorotoluene	0.20 U	5.0	0.20	1	06/09/22 12:00	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	06/09/22 12:00	
4-Methyl-2-pentanone	0.23 U	5.0	0.23	1	06/09/22 12:00	
Acetone	15 U	25	15	1	06/09/22 12:00	
Acrylonitrile	0.89 U	25	0.89	1	06/09/22 12:00	
Benzene	0.20 U	5.0	0.20	1	06/09/22 12:00	
Bromobenzene	0.20 U	5.0	0.20	1	06/09/22 12:00	
Bromochloromethane	0.20 U	5.0	0.20	1	06/09/22 12:00	
Bromodichloromethane	0.20 U	5.0	0.20	1	06/09/22 12:00	
Bromoform	0.50 U	5.0	0.50	1	06/09/22 12:00	
Bromomethane	2.1 U	5.0	2.1	1	06/09/22 12:00	
Carbon Disulfide	0.29 U	5.0	0.29	1	06/09/22 12:00	
Carbon Tetrachloride	0.26 U	5.0	0.26	1	06/09/22 12:00	
Chlorobenzene	0.20 U	5.0	0.20	1	06/09/22 12:00	
Chloroethane	0.41 U	5.0	0.41	1	06/09/22 12:00	
Chloroform	0.20 U	5.0	0.20	1	06/09/22 12:00	
Chloromethane	1.4 U	5.0	1.4	1	06/09/22 12:00	
Dibromochloromethane	0.20 U	5.0	0.20	1	06/09/22 12:00	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2206467-05	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.20 U	5.0	0.20	1	06/09/22 12:00	
Dichlorodifluoromethane (CFC 12)	0.33 U	5.0	0.33	1	06/09/22 12:00	
Methylene Chloride	2.8 U	5.0	2.8	1	06/09/22 12:00	
Diethyl Ether	0.25 U	5.0	0.25	1	06/09/22 12:00	
Ethylbenzene	1.0 U	5.0	1.0	1	06/09/22 12:00	
Hexachlorobutadiene	0.47 U	5.0	0.47	1	06/09/22 12:00	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	06/09/22 12:00	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	06/09/22 12:00	
Naphthalene	0.99 U	5.0	0.99	1	06/09/22 12:00	
Styrene	1.0 U	5.0	1.0	1	06/09/22 12:00	
Tetrachloroethene (PCE)	0.23 U	5.0	0.23	1	06/09/22 12:00	
Toluene	2.0 U	5.0	2.0	1	06/09/22 12:00	
Trichloroethene (TCE)	0.22 U	5.0	0.22	1	06/09/22 12:00	
Trichlorofluoromethane (CFC 11)	0.26 U	5.0	0.26	1	06/09/22 12:00	
Vinyl Acetate	0.78 U	10	0.78	1	06/09/22 12:00	
Vinyl Chloride	0.46 U	5.0	0.46	1	06/09/22 12:00	
Xylenes, Total	0.52 U	15	0.52	1	06/09/22 12:00	
cis-1,2-Dichloroethene	0.20 U	5.0	0.20	1	06/09/22 12:00	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	06/09/22 12:00	
m,p-Xylenes	2.0 U	10	2.0	1	06/09/22 12:00	
n-Butylbenzene	0.20 U	5.0	0.20	1	06/09/22 12:00	
n-Propylbenzene	0.20 U	5.0	0.20	1	06/09/22 12:00	
o-Xylene	1.0 U	5.0	1.0	1	06/09/22 12:00	
sec-Butylbenzene	0.20 U	5.0	0.20	1	06/09/22 12:00	
tert-Butylbenzene	0.20 U	5.0	0.20	1	06/09/22 12:00	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	06/09/22 12:00	
trans-1,3-Dichloropropene	0.20 U	5.0	0.20	1	06/09/22 12:00	
trans-1,4-Dichloro-2-butene	0.22 U	5.0	0.22	1	06/09/22 12:00	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	31 - 154	06/09/22 12:00	
Dibromofluoromethane	100	63 - 138	06/09/22 12:00	
Toluene-d8	102	66 - 138	06/09/22 12:00	

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205037
Date Analyzed: 06/08/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

Lab Control Sample
RQ2206435-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	8260C	18.0	20.0	90	69-127
1,1,1-Trichloroethane (TCA)	8260C	19.8	20.0	99	68-123
1,1,2,2-Tetrachloroethane	8260C	16.4	20.0	82	78-121
1,1,2-Trichloroethane	8260C	18.2	20.0	91	84-117
1,1-Dichloroethane (1,1-DCA)	8260C	19.2	20.0	96	76-123
1,1-Dichloroethene (1,1-DCE)	8260C	19.6	20.0	98	65-115
1,1-Dichloropropene	8260C	20.2	20.0	101	66-119
1,2,3-Trichlorobenzene	8260C	16.6	20.0	83	60-128
1,2,3-Trichloropropane	8260C	16.5	20.0	82	78-115
1,2,4-Trichlorobenzene	8260C	18.2	20.0	91	62-130
1,2,4-Trimethylbenzene	8260C	18.0	20.0	90	67-121
1,2-Dibromo-3-chloropropane (DBCP)	8260C	16.7	20.0	84	54-135
1,2-Dibromoethane	8260C	17.2	20.0	86	77-117
1,2-Dichlorobenzene	8260C	17.3	20.0	87	75-116
1,2-Dichloroethane	8260C	18.1	20.0	90	74-116
1,2-Dichloropropane	8260C	18.0	20.0	90	79-112
1,3,5-Trimethylbenzene	8260C	17.9	20.0	90	66-122
1,3-Dichlorobenzene	8260C	17.5	20.0	87	72-118
1,3-Dichloropropane	8260C	17.1	20.0	85	82-111
1,4-Dichlorobenzene	8260C	17.6	20.0	88	72-117
1,4-Dioxane	8260C	324	400	81	59-147
2,2-Dichloropropane	8260C	19.9	20.0	99	53-131
2-Butanone (MEK)	8260C	16.6	20.0	83	67-129
2-Chlorotoluene	8260C	17.6	20.0	88	70-120
2-Hexanone	8260C	16.3	20.0	82	68-118
4-Chlorotoluene	8260C	17.3	20.0	87	72-120
4-Isopropyltoluene	8260C	18.2	20.0	91	58-128
4-Methyl-2-pentanone	8260C	16.6	20.0	83	64-123
Acetone	8260C	19.5 J	20.0	97	32-154
Acrylonitrile	8260C	81.4	100	81	71-124
Benzene	8260C	18.7	20.0	94	77-114
Bromobenzene	8260C	16.6	20.0	83	78-116
Bromochloromethane	8260C	18.5	20.0	92	78-117

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205037
Date Analyzed: 06/08/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

Lab Control Sample
RQ2206435-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromodichloromethane	8260C	18.4	20.0	92	72-118
Bromoform	8260C	20.6	20.0	103	55-134
Bromomethane	8260C	19.4	20.0	97	10-150
Carbon Disulfide	8260C	17.3	20.0	86	44-139
Carbon Tetrachloride	8260C	20.0	20.0	100	51-123
Chlorobenzene	8260C	17.7	20.0	88	79-115
Chloroethane	8260C	15.7	20.0	79	10-140
Chloroform	8260C	18.7	20.0	93	76-115
Chloromethane	8260C	24.6	20.0	123	10-131
Dibromochloromethane	8260C	16.8	20.0	84	68-121
Dibromomethane	8260C	18.6	20.0	93	29-115
Dichlorodifluoromethane (CFC 12)	8260C	24.6	20.0	123	51-144
Methylene Chloride	8260C	18.2	20.0	91	72-118
Diethyl Ether	8260C	19.8	20.0	99	78-127
Ethylbenzene	8260C	18.1	20.0	90	64-118
Hexachlorobutadiene	8260C	19.5	20.0	98	33-143
Isopropylbenzene (Cumene)	8260C	18.4	20.0	92	60-123
Methyl tert-Butyl Ether	8260C	17.6	20.0	88	76-118
Naphthalene	8260C	17.7	20.0	88	68-127
Styrene	8260C	17.2	20.0	86	74-117
Tetrachloroethene (PCE)	8260C	19.0	20.0	95	58-124
Toluene	8260C	18.4	20.0	92	72-116
Trichloroethene (TCE)	8260C	19.3	20.0	96	69-118
Trichlorofluoromethane (CFC 11)	8260C	20.8	20.0	104	52-127
Vinyl Acetate	8260C	18.7	20.0	94	47-159
Vinyl Chloride	8260C	20.0	20.0	100	59-153
cis-1,2-Dichloroethene	8260C	18.7	20.0	94	79-113
cis-1,3-Dichloropropene	8260C	18.2	20.0	91	66-117
m,p-Xylenes	8260C	36.4	40.0	91	68-118
n-Butylbenzene	8260C	18.4	20.0	92	54-131
n-Propylbenzene	8260C	18.2	20.0	91	59-126
o-Xylene	8260C	18.5	20.0	92	71-116
sec-Butylbenzene	8260C	18.6	20.0	93	54-128

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205037
Date Analyzed: 06/08/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

Lab Control Sample
RQ2206435-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
tert-Butylbenzene	8260C	18.5	20.0	92	58-123
trans-1,2-Dichloroethene	8260C	19.2	20.0	96	73-114
trans-1,3-Dichloropropene	8260C	18.6	20.0	93	57-135
trans-1,4-Dichloro-2-butene	8260C	14.6	20.0	73	35-149

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205037
Date Analyzed: 06/09/22

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2206467-03			RQ2206467-04					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1,2-Tetrachloroethane	8260C	16.9	20.0	85	18.1	20.0	91	69-127	7	30
1,1,1-Trichloroethane (TCA)	8260C	17.6	20.0	88	18.7	20.0	94	68-123	7	30
1,1,2,2-Tetrachloroethane	8260C	16.0	20.0	80	17.6	20.0	88	78-121	10	30
1,1,2-Trichloroethane	8260C	17.0	20.0	85	18.9	20.0	94	84-117	10	30
1,1-Dichloroethane (1,1-DCA)	8260C	17.7	20.0	88	19.2	20.0	96	76-123	9	30
1,1-Dichloroethene (1,1-DCE)	8260C	17.4	20.0	87	18.7	20.0	93	65-115	7	30
1,1-Dichloropropene	8260C	18.0	20.0	90	18.7	20.0	93	66-119	3	30
1,2,3-Trichlorobenzene	8260C	16.1	20.0	80	16.4	20.0	82	60-128	2	30
1,2,3-Trichloropropane	8260C	16.5	20.0	82	18.7	20.0	94	78-115	14	30
1,2,4-Trichlorobenzene	8260C	16.6	20.0	83	17.1	20.0	85	62-130	2	30
1,2,4-Trimethylbenzene	8260C	17.0	20.0	85	17.3	20.0	87	67-121	2	30
1,2-Dibromo-3-chloropropane (DBCP)	8260C	15.3	20.0	76	16.7	20.0	83	54-135	9	30
1,2-Dibromoethane	8260C	17.3	20.0	87	19.0	20.0	95	77-117	9	30
1,2-Dichlorobenzene	8260C	16.9	20.0	84	17.1	20.0	86	75-116	2	30
1,2-Dichloroethane	8260C	17.7	20.0	88	19.7	20.0	99	74-116	12	30
1,2-Dichloropropane	8260C	16.5	20.0	82	18.3	20.0	91	79-112	10	30
1,3,5-Trimethylbenzene	8260C	16.6	20.0	83	17.5	20.0	87	66-122	5	30
1,3-Dichlorobenzene	8260C	16.9	20.0	84	17.3	20.0	87	72-118	4	30
1,3-Dichloropropane	8260C	16.9	20.0	85	18.7	20.0	93	82-111	9	30
1,4-Dichlorobenzene	8260C	16.7	20.0	84	17.5	20.0	87	72-117	4	30
1,4-Dioxane	8260C	306	400	76	363	400	91	59-147	18	30
2,2-Dichloropropane	8260C	18.1	20.0	90	18.9	20.0	94	53-131	4	30
2-Butanone (MEK)	8260C	16.9	20.0	84	19.1	20.0	96	67-129	13	30
2-Chlorotoluene	8260C	17.0	20.0	85	17.5	20.0	87	70-120	2	30
2-Hexanone	8260C	15.9	20.0	80	19.0	20.0	95	68-118	17	30
4-Chlorotoluene	8260C	16.8	20.0	84	17.2	20.0	86	72-120	2	30
4-Isopropyltoluene	8260C	15.9	20.0	79	17.1	20.0	85	58-128	7	30
4-Methyl-2-pentanone	8260C	15.9	20.0	79	18.2	20.0	91	64-123	14	30
Acetone	8260C	19.1 J	20.0	95	21.5 J	20.0	107	32-154	12	30
Acrylonitrile	8260C	84.4	100	84	95.8	100	96	71-124	13	30
Benzene	8260C	16.7	20.0	83	18.3	20.0	91	77-114	9	30
Bromobenzene	8260C	16.1	20.0	80	16.7	20.0	84	78-116	5	30

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205037
Date Analyzed: 06/09/22

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2206467-03			RQ2206467-04					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Bromochloromethane	8260C	17.3	20.0	87	19.4	20.0	97	78-117	11	30
Bromodichloromethane	8260C	16.8	20.0	84	18.2	20.0	91	72-118	8	30
Bromoform	8260C	18.0	20.0	90	19.9	20.0	100	55-134	11	30
Bromomethane	8260C	19.4	20.0	97	21.6	20.0	108	10-150	11	30
Carbon Disulfide	8260C	14.7	20.0	73	15.9	20.0	80	44-139	9	30
Carbon Tetrachloride	8260C	17.4	20.0	87	18.2	20.0	91	51-123	4	30
Chlorobenzene	8260C	17.1	20.0	86	17.8	20.0	89	79-115	3	30
Chloroethane	8260C	16.8	20.0	84	20.7	20.0	103	10-140	20	30
Chloroform	8260C	17.4	20.0	87	19.4	20.0	97	76-115	11	30
Chloromethane	8260C	21.8	20.0	109	24.8	20.0	124	10-131	13	30
Dibromochloromethane	8260C	16.0	20.0	80	16.9	20.0	84	68-121	5	30
Dibromomethane	8260C	16.7	20.0	83	19.3	20.0	96	29-115	15	30
Dichlorodifluoromethane (CFC 12)	8260C	20.5	20.0	102	20.8	20.0	104	51-144	2	30
Methylene Chloride	8260C	17.9	20.0	89	19.2	20.0	96	72-118	8	30
Diethyl Ether	8260C	17.8	20.0	89	19.8	20.0	99	78-127	11	30
Ethylbenzene	8260C	17.2	20.0	86	18.0	20.0	90	64-118	5	30
Hexachlorobutadiene	8260C	14.2	20.0	71	16.9	20.0	84	33-143	17	30
Isopropylbenzene (Cumene)	8260C	17.3	20.0	87	17.6	20.0	88	60-123	1	30
Methyl tert-Butyl Ether	8260C	17.6	20.0	88	19.6	20.0	98	76-118	11	30
Naphthalene	8260C	17.3	20.0	87	18.0	20.0	90	68-127	3	30
Styrene	8260C	16.7	20.0	83	17.2	20.0	86	74-117	4	30
Tetrachloroethene (PCE)	8260C	16.8	20.0	84	17.4	20.0	87	58-124	4	30
Toluene	8260C	16.8	20.0	84	17.8	20.0	89	72-116	6	30
Trichloroethene (TCE)	8260C	17.6	20.0	88	18.4	20.0	92	69-118	4	30
Trichlorofluoromethane (CFC 11)	8260C	19.4	20.0	97	20.2	20.0	101	52-127	4	30
Vinyl Acetate	8260C	18.1	20.0	90	20.6	20.0	103	47-159	13	30
Vinyl Chloride	8260C	18.2	20.0	91	20.3	20.0	102	59-153	11	30
cis-1,2-Dichloroethene	8260C	17.0	20.0	85	19.8	20.0	99	79-113	15	30
cis-1,3-Dichloropropene	8260C	16.6	20.0	83	17.9	20.0	90	66-117	8	30
m,p-Xylenes	8260C	34.6	40.0	86	35.8	40.0	90	68-118	5	30
n-Butylbenzene	8260C	16.1	20.0	81	17.1	20.0	86	54-131	6	30
n-Propylbenzene	8260C	16.8	20.0	84	17.6	20.0	88	59-126	5	30

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205037
Date Analyzed: 06/09/22

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2206467-03			RQ2206467-04					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
o-Xylene	8260C	17.2	20.0	86	18.0	20.0	90	71-116	5	30
sec-Butylbenzene	8260C	15.9	20.0	79	17.0	20.0	85	54-128	7	30
tert-Butylbenzene	8260C	16.0	20.0	80	16.9	20.0	85	58-123	6	30
trans-1,2-Dichloroethene	8260C	16.6	20.0	83	18.6	20.0	93	73-114	11	30
trans-1,3-Dichloropropene	8260C	16.8	20.0	84	18.4	20.0	92	57-135	9	30
trans-1,4-Dichloro-2-butene	8260C	15.0	20.0	75	16.1	20.0	81	35-149	8	30

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Anchor QEA, LLC **Service Request:** R2205037
Project: John Street/E.10921.03.01
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Extraction Method: EPA 3546

Sample Name	Lab Code	2,4,6-Tribromophenol 15-142	2-Fluorobiphenyl 25-114	2-Fluorophenol 18-98
SB2-5-6-220602	R2205037-001	97	77	71
SB2-5-6-220602 RE	R2205037-001	92	73	67
SB2-6-7-220602	R2205037-002	98	75	68
SB2-6-7-220602 RE	R2205037-002	90	65	56
SB2-7-8-220602	R2205037-003	98	78	75
SB2-7-8-220602 RE	R2205037-003	79	61	56
SB2-8-9-220602	R2205037-004	89	70	62
SB2-8-9-220602 RE	R2205037-004	91	64	57
SB2-9-10-220602	R2205037-005	89	67	62
SB2-9-10-220602 RE	R2205037-005	88	71	65
SB2-FD-220602	R2205037-006	81	64	61
SB2-FD-220602 RE	R2205037-006	92	67	59
SB5-5-6-220602	R2205037-007	87	75	70
SB5-5-6-220602 RE	R2205037-007	89	75	70
SB5-6-7-220602	R2205037-008	85	74	70
SB5-6-7-220602 RE	R2205037-008	73	73	68
SB5-7-8-220602	R2205037-009	91	75	74
SB5-7-8-220602 RE	R2205037-009	80	70	66
SB5-8-9-220602	R2205037-010	86	75	73
SB5-8-9-220602 RE	R2205037-010	19	18*	17*
Method Blank	RQ2206394-01	49	37	36
Method Blank	RQ2206596-01	56	44	42
Lab Control Sample	RQ2206394-02	51	41	43
Duplicate Lab Control Sample	RQ2206394-03	76	62	64
Lab Control Sample	RQ2206596-02	93	69	64
Duplicate Lab Control Sample	RQ2206596-03	93	72	70
SB5-6-7-220602 MS	RQ2206394-04	88	73	70
SB5-6-7-220602 DMS	RQ2206394-05	92	77	73
SB5-6-7-220602 MS	RQ2206596-04	94	76	66
SB5-6-7-220602 DMS	RQ2206596-05	88	75	71

Client: Anchor QEA, LLC **Service Request:** R2205037
Project: John Street/E.10921.03.01
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Extraction Method: EPA 3546

Sample Name	Lab Code	Nitrobenzene-d5 14-104	Phenol-d6 18-103	Terphenyl-d14 38-141
SB2-5-6-220602	R2205037-001	69	73	95
SB2-5-6-220602 RE	R2205037-001	65	67	93
SB2-6-7-220602	R2205037-002	67	70	101
SB2-6-7-220602 RE	R2205037-002	55	57	92
SB2-7-8-220602	R2205037-003	73	75	97
SB2-7-8-220602 RE	R2205037-003	54	56	77
SB2-8-9-220602	R2205037-004	61	65	89
SB2-8-9-220602 RE	R2205037-004	55	56	90
SB2-9-10-220602	R2205037-005	61	62	90
SB2-9-10-220602 RE	R2205037-005	63	65	89
SB2-FD-220602	R2205037-006	59	60	81
SB2-FD-220602 RE	R2205037-006	57	60	94
SB5-5-6-220602	R2205037-007	69	71	90
SB5-5-6-220602 RE	R2205037-007	67	71	97
SB5-6-7-220602	R2205037-008	66	71	92
SB5-6-7-220602 RE	R2205037-008	65	69	89
SB5-7-8-220602	R2205037-009	71	73	94
SB5-7-8-220602 RE	R2205037-009	64	66	93
SB5-8-9-220602	R2205037-010	71	72	91
SB5-8-9-220602 RE	R2205037-010	16	16*	24*
Method Blank	RQ2206394-01	36	36	52
Method Blank	RQ2206596-01	41	42	58
Lab Control Sample	RQ2206394-02	42	41	47
Duplicate Lab Control Sample	RQ2206394-03	62	61	70
Lab Control Sample	RQ2206596-02	62	66	80
Duplicate Lab Control Sample	RQ2206596-03	67	71	81
SB5-6-7-220602 MS	RQ2206394-04	67	71	85
SB5-6-7-220602 DMS	RQ2206394-05	71	75	89
SB5-6-7-220602 MS	RQ2206596-04	64	69	89
SB5-6-7-220602 DMS	RQ2206596-05	69	72	89

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22
Sample Matrix:	Soil	**Date Received:**	06/03/22
		Date Analyzed:	06/8/22
		Date Extracted:	06/7/22

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Sample Name:	SB5-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-008	**Basis:**	Dry
Analysis Method:	8270D		
Prep Method:	EPA 3546		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2206394-04			RQ2206394-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	89 U	2840	4010	71	3170	4210	75	10-174	11	30
2,3,4,6-Tetrachlorophenol	140 U	3270	4020	81	3680	4230	87	42-127	12	30
2,4,5-Trichlorophenol	98 U	3190	4020	79	3610	4230	85	33-134	12	30
2,4,6-Trichlorophenol	89 U	3110	4020	77	3500	4230	83	24-131	12	30
2,4-Dichlorophenol	77 U	3090	4020	77	3540	4230	84	17-125	14	30
2,4-Dimethylphenol	72 U	2960	4020	74	3390	4230	80	21-116	14	30
2,4-Dinitrophenol	680 U	1620 J	4020	40	1780 J	4230	42	10-80	10	30
2,4-Dinitrotoluene	160 U	3340	4020	83	3790	4230	90	55-118	13	30
2,6-Dinitrotoluene	87 U	3290	4020	82	3760	4230	89	38-136	13	30
2-Chloronaphthalene	80 U	2910	4020	72	3260	4230	77	27-121	11	30
2-Chlorophenol	67 U	2760	4020	69	3130	4230	74	20-97	13	30
2-Methylnaphthalene	140 U	2960	4020	74	3340	4230	79	23-111	12	30
2-Methylphenol	83 U	3060	4020	76	3470	4230	82	28-105	13	30
2-Nitroaniline	94 U	3190	4020	79	3640	4230	86	40-124	13	30
2-Nitrophenol	93 U	2780	4020	69	3250	4230	77	15-107	16	30
3,3'-Dichlorobenzidine	45 U	1950	4020	49	2230	4230	53	19-111	13	30
3- and 4-Methylphenol Coelution	76 U	2830	4020	70	3200	4230	76	25-112	12	30
3-Nitroaniline	80 U	2610	4020	65	2950	4230	70	36-112	12	30
4,6-Dinitro-2-methylphenol	230 U	2280	4020	57	2670	4230	63	23-107	16	30
4-Bromophenyl Phenyl Ether	110 U	3380	4020	84	3750	4230	89	38-138	10	30
4-Chloro-3-methylphenol	81 U	3070	4020	76	3430	4230	81	25-123	11	30
4-Chloroaniline	68 U	2420	4020	60	2810	4230	66	30-87	15	30
4-Chlorophenyl Phenyl Ether	85 U	3200	4020	80	3600	4230	85	41-130	12	30
4-Nitroaniline	86 U	2960	4020	74	3350	4230	79	49-119	12	30
4-Nitrophenol	80 U	2780	4020	69	3220	4230	76	33-124	15	30
Acenaphthene	76 U	3000	4020	75	3370	4230	80	34-121	11	30
Acenaphthylene	81 U	3310	4020	82	3720	4230	88	39-124	12	30
Acetophenone	120 U	4990	8050	62	5680	8460	67	20-89	13	30
Anthracene	67 U	3220	4020	80	3570	4230	84	58-119	10	30
Atrazine	120 U	3910	4020	97	4480	4230	106	43-131	14	30
Benz(a)anthracene	59 U	3030	4020	75	3400	4230	80	60-114	12	30
Benzaldehyde	96 U	2880	4020	72	3270	4230	77	10-103	13	30
Benzo(a)pyrene	110 U	3980	4020	99	4410	4230	104	72-128	10	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22
Sample Matrix:	Soil	**Date Received:**	06/03/22
		Date Analyzed:	06/8/22
		Date Extracted:	06/7/22

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Sample Name:	SB5-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-008	**Basis:**	Dry
Analysis Method:	8270D		
Prep Method:	EPA 3546		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2206394-04			RQ2206394-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(b)fluoranthene	67 U	3190	4020	79	3540	4230	84	64-109	10	30
Benzo(g,h,i)perylene	92 U	3180	4020	79	3580	4230	85	59-129	12	30
Benzo(k)fluoranthene	65 U	3260	4020	81	3640	4230	86	70-110	11	30
Biphenyl	120 U	2810	4020	70	3240	4230	77	17-123	14	30
2,2'-Oxybis(1-chloropropane)	82 U	2660	4020	66	3020	4230	71	22-80	13	30
Bis(2-chloroethoxy)methane	98 U	3420	4020	85	3870	4230	92	31-112	13	30
Bis(2-chloroethyl) Ether	79 U	2660	4020	66	2970	4230	70	21-83	11	30
Bis(2-ethylhexyl) Phthalate	73 U	3400	4020	85	3810	4230	90	57-117	11	30
Butyl Benzyl Phthalate	48 U	3170	4020	79	3570	4230	84	60-116	12	30
Caprolactam	88 U	3060	4020	76	3550	4230	84	10-150	15	30
Carbazole	65 U	3370	4020	84	3710	4230	88	63-129	10	30
Chrysene	59 U	3020	4020	75	3380	4230	80	65-114	11	30
Di-n-butyl Phthalate	65 U	3500	4020	87	3910	4230	92	71-126	11	30
Di-n-octyl Phthalate	140 U	3520	4020	88	4000	4230	94	60-115	13	30
Dibenz(a,h)anthracene	87 U	2870	4020	71	3200	4230	76	60-128	11	30
Dibenzofuran	73 U	3070	4020	76	3430	4230	81	38-124	11	30
Diethyl Phthalate	71 U	3020	4020	75	3390	4230	80	51-113	12	30
Dimethyl Phthalate	76 U	3110	4020	77	3520	4230	83	40-127	13	30
Fluoranthene	120 J	3280	4020	79	3650	4230	84	61-131	11	30
Fluorene	75 U	3150	4020	78	3520	4230	83	39-128	11	30
Hexachlorobenzene	96 U	3200	4020	80	3550	4230	84	42-135	10	30
Hexachlorobutadiene	140 U	2810	4020	70	3130	4230	74	19-96	11	30
Hexachlorocyclopentadiene	130 U	3160	4020	79	3600	4230	85	10-112	13	30
Hexachloroethane	75 U	2440	4020	61	2680	4230	63	15-75	9	30
Indeno(1,2,3-cd)pyrene	130 U	3230	4020	80	3610	4230	85	60-123	11	30
Isophorone	83 U	3250	4020	81	3700	4230	87	27-106	13	30
N-Nitrosodi-n-propylamine	130 U	2760	4020	69	3150	4230	74	22-99	13	30
N-Nitrosodiphenylamine	250 U	3500	4020	87	3910	4230	92	51-127	11	30
Naphthalene	75 U	2720	4020	68	3090	4230	73	21-101	13	30
Nitrobenzene	71 U	2710	4020	67	3080	4230	73	22-98	13	30
Pentachlorophenol (PCP)	400 U	3260	4020	81	3710	4230	88	46-124	13	30
Phenanthrene	57 U	3150	4020	78	3460	4230	82	56-117	10	30
Phenol	80 U	2800	4020	70	3180	4230	75	24-102	13	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22
Sample Matrix:	Soil	**Date Received:**	06/03/22
		Date Analyzed:	06/8/22
		Date Extracted:	06/7/22

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Sample Name:	SB5-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-008	**Basis:**	Dry
Analysis Method:	8270D		
Prep Method:	EPA 3546		

		Matrix Spike			**Duplicate Matrix Spike**					
		RQ2206394-04			RQ2206394-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	99 J	3300	4020	80	3730	4230	86	67-118	12	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22
Sample Matrix:	Soil	**Date Received:**	06/03/22
		Date Analyzed:	06/9/22
		Date Extracted:	06/9/22

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Sample Name:	SB5-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-008	**Basis:**	Dry
Analysis Method:	8270D		
Prep Method:	EPA 3546		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2206596-04			RQ2206596-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	97 U	3180	4380	73	2620	3650	72	10-174	20	30
2,3,4,6-Tetrachlorophenol	160 U	3820	4400	87	3060	3660	83	42-127	22	30
2,4,5-Trichlorophenol	110 U	3940	4400	90	3120	3660	85	33-134	23	30
2,4,6-Trichlorophenol	97 U	3740	4400	85	2990	3660	82	24-131	22	30
2,4-Dichlorophenol	84 U	3700	4400	84	3090	3660	84	17-125	18	30
2,4-Dimethylphenol	78 U	3320	4400	75	2800	3660	76	21-116	17	30
2,4-Dinitrophenol	740 U	740 U	4400	0 *	620 U	3660	0 *	10-80	NC	30
2,4-Dinitrotoluene	170 U	4040	4400	92	3320	3660	91	55-118	20	30
2,6-Dinitrotoluene	95 U	4020	4400	91	3320	3660	91	38-136	19	30
2-Chloronaphthalene	87 U	3420	4400	78	2820	3660	77	27-121	19	30
2-Chlorophenol	73 U	2990	4400	68	2620	3660	72	20-97	13	30
2-Methylnaphthalene	160 U	3350	4400	76	2870	3660	78	23-111	15	30
2-Methylphenol	90 U	3400	4400	77	2880	3660	79	28-105	17	30
2-Nitroaniline	110 U	3970	4400	90	3240	3660	88	40-124	20	30
2-Nitrophenol	110 U	3200	4400	73	2840	3660	77	15-107	12	30
3,3'-Dichlorobenzidine	49 U	2790	4400	63	2340	3660	64	19-111	17	30
3- and 4-Methylphenol Coelution	83 U	3220	4400	73	2710	3660	74	25-112	17	30
3-Nitroaniline	88 U	3750	4400	85	3030	3660	83	36-112	21	30
4,6-Dinitro-2-methylphenol	250 U	291 J	4400	7 *	231 J	3660	6 *	23-107	23	30
4-Bromophenyl Phenyl Ether	120 U	4010	4400	91	3290	3660	90	38-138	20	30
4-Chloro-3-methylphenol	88 U	3660	4400	83	3020	3660	82	25-123	19	30
4-Chloroaniline	74 U	3840	4400	87	3230	3660	88 *	30-87	17	30
4-Chlorophenyl Phenyl Ether	93 U	3900	4400	89	3180	3660	87	41-130	20	30
4-Nitroaniline	94 U	3740	4400	85	3240	3660	88	49-119	14	30
4-Nitrophenol	88 U	3200	4400	73	2600	3660	71	33-124	21	30
Acenaphthene	82 U	3590	4400	82	2910	3660	79	34-121	21	30
Acenaphthylene	88 U	3960	4400	90	3220	3660	88	39-124	21	30
Acetophenone	130 U	5390	8790	61	4690	7330	64	20-89	14	30
Anthracene	73 U	3860	4400	88	3200	3660	87	58-119	19	30
Atrazine	130 U	4530	4400	103	3730	3660	102	43-131	19	30
Benz(a)anthracene	65 U	3660	4400	83	3070	3660	84	60-114	18	30
Benzaldehyde	110 U	3040	4400	69	2810	3660	77	10-103	8	30
Benzo(a)pyrene	120 U	4730	4400	108	3980	3660	109	72-128	17	30

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Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22
Sample Matrix:	Soil	**Date Received:**	06/03/22
		Date Analyzed:	06/9/22
		Date Extracted:	06/9/22

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Sample Name:	SB5-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-008	**Basis:**	Dry
Analysis Method:	8270D		
Prep Method:	EPA 3546		

		Matrix Spike RQ2206596-04			**Duplicate Matrix Spike** RQ2206596-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(b)fluoranthene	73 U	3800	4400	87	3200	3660	87	64-109	17	30
Benzo(g,h,i)perylene	100 U	3760	4400	85	3180	3660	87	59-129	17	30
Benzo(k)fluoranthene	71 U	3900	4400	89	3230	3660	88	70-110	19	30
Biphenyl	130 U	3320	4400	76	2700	3660	74	17-123	20	30
2,2'-Oxybis(1-chloropropane)	89 U	2810	4400	64	2560	3660	70	22-80	9	30
Bis(2-chloroethoxy)methane	110 U	3840	4400	87	3330	3660	91	31-112	14	30
Bis(2-chloroethyl) Ether	86 U	2790	4400	64	2520	3660	69	21-83	10	30
Bis(2-ethylhexyl) Phthalate	80 U	4210	4400	96	3550	3660	97	57-117	17	30
Butyl Benzyl Phthalate	53 U	3860	4400	88	3240	3660	88	60-116	17	30
Caprolactam	96 U	3590	4400	82	2970	3660	81	10-150	19	30
Carbazole	71 U	4060	4400	92	3360	3660	92	63-129	19	30
Chrysene	64 U	3600	4400	82	3050	3660	83	65-114	16	30
Di-n-butyl Phthalate	71 U	4360	4400	99	3680	3660	100	71-126	17	30
Di-n-octyl Phthalate	160 U	4400	4400	100	3760	3660	103	60-115	16	30
Dibenz(a,h)anthracene	95 U	3430	4400	78	2950	3660	81	60-128	15	30
Dibenzofuran	79 U	3670	4400	84	3020	3660	82	38-124	20	30
Diethyl Phthalate	78 U	3760	4400	85	3060	3660	83	51-113	20	30
Dimethyl Phthalate	83 U	3840	4400	87	3100	3660	85	40-127	21	30
Fluoranthene	120 J	3970	4400	88	3370	3660	89	61-131	16	30
Fluorene	82 U	3810	4400	87	3110	3660	85	39-128	20	30
Hexachlorobenzene	110 U	3730	4400	85	3120	3660	85	42-135	18	30
Hexachlorobutadiene	160 U	3070	4400	70	2780	3660	76	19-96	10	30
Hexachlorocyclopentadiene	140 U	3460	4400	79	2930	3660	80	10-112	16	30
Hexachloroethane	82 U	2510	4400	57	2250	3660	61	15-75	11	30
Indeno(1,2,3-cd)pyrene	140 U	3920	4400	89	3290	3660	90	60-123	17	30
Isophorone	91 U	3680	4400	84	3200	3660	87	27-106	14	30
N-Nitrosodi-n-propylamine	140 U	3050	4400	69	2650	3660	72	22-99	14	30
N-Nitrosodiphenylamine	280 U	4140	4400	94	3410	3660	93	51-127	19	30
Naphthalene	82 U	3000	4400	68	2650	3660	72	21-101	12	30
Nitrobenzene	78 U	2970	4400	68	2680	3660	73	22-98	10	30
Pentachlorophenol (PCP)	440 U	2290	4400	52	1730 J	3660	47	46-124	28	30
Phenanthrene	62 U	3700	4400	84	3110	3660	85	56-117	17	30
Phenol	88 U	3080	4400	70	2670	3660	73	24-102	14	30

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Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22
Sample Matrix:	Soil	**Date Received:**	06/03/22
		Date Analyzed:	06/9/22
		Date Extracted:	06/9/22

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Sample Name:	SB5-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-008	**Basis:**	Dry
Analysis Method:	8270D		
Prep Method:	EPA 3546		

		Matrix Spike			**Duplicate Matrix Spike**					
		RQ2206596-04			RQ2206596-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	99 J	3830	4400	85	3280	3660	87	67-118	15	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2206394-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	75 U	340	75	1	06/08/22 13:57	6/7/22	
2,3,4,6-Tetrachlorophenol	120 U	340	120	1	06/08/22 13:57	6/7/22	
2,4,5-Trichlorophenol	83 U	340	83	1	06/08/22 13:57	6/7/22	
2,4,6-Trichlorophenol	75 U	340	75	1	06/08/22 13:57	6/7/22	
2,4-Dichlorophenol	65 U	340	65	1	06/08/22 13:57	6/7/22	
2,4-Dimethylphenol	61 U	340	61	1	06/08/22 13:57	6/7/22	
2,4-Dinitrophenol	570 U	1700	570	1	06/08/22 13:57	6/7/22	
2,4-Dinitrotoluene	130 U	340	130	1	06/08/22 13:57	6/7/22	
2,6-Dinitrotoluene	74 U	340	74	1	06/08/22 13:57	6/7/22	
2-Chloronaphthalene	68 U	340	68	1	06/08/22 13:57	6/7/22	
2-Chlorophenol	56 U	340	56	1	06/08/22 13:57	6/7/22	
2-Methylnaphthalene	120 U	340	120	1	06/08/22 13:57	6/7/22	
2-Methylphenol	70 U	340	70	1	06/08/22 13:57	6/7/22	
2-Nitroaniline	80 U	1700	80	1	06/08/22 13:57	6/7/22	
2-Nitrophenol	78 U	340	78	1	06/08/22 13:57	6/7/22	
3,3'-Dichlorobenzidine	38 U	340	38	1	06/08/22 13:57	6/7/22	
3- and 4-Methylphenol Coelution	65 U	340	65	1	06/08/22 13:57	6/7/22	
3-Nitroaniline	68 U	1700	68	1	06/08/22 13:57	6/7/22	
4,6-Dinitro-2-methylphenol	190 U	1700	190	1	06/08/22 13:57	6/7/22	
4-Bromophenyl Phenyl Ether	89 U	340	89	1	06/08/22 13:57	6/7/22	
4-Chloro-3-methylphenol	68 U	340	68	1	06/08/22 13:57	6/7/22	
4-Chloroaniline	57 U	340	57	1	06/08/22 13:57	6/7/22	
4-Chlorophenyl Phenyl Ether	72 U	340	72	1	06/08/22 13:57	6/7/22	
4-Nitroaniline	73 U	1700	73	1	06/08/22 13:57	6/7/22	
4-Nitrophenol	68 U	1700	68	1	06/08/22 13:57	6/7/22	
Acenaphthene	64 U	340	64	1	06/08/22 13:57	6/7/22	
Acenaphthylene	68 U	340	68	1	06/08/22 13:57	6/7/22	
Acetophenone	97 U	340	97	1	06/08/22 13:57	6/7/22	
Anthracene	57 U	340	57	1	06/08/22 13:57	6/7/22	
Atrazine	100 U	340	100	1	06/08/22 13:57	6/7/22	
Benz(a)anthracene	50 U	340	50	1	06/08/22 13:57	6/7/22	
Benzaldehyde	82 U	1700	82	1	06/08/22 13:57	6/7/22	
Benzo(a)pyrene	90 U	340	90	1	06/08/22 13:57	6/7/22	
Benzo(b)fluoranthene	56 U	340	56	1	06/08/22 13:57	6/7/22	
Benzo(g,h,i)perylene	78 U	340	78	1	06/08/22 13:57	6/7/22	
Benzo(k)fluoranthene	55 U	340	55	1	06/08/22 13:57	6/7/22	
Biphenyl	99 U	340	99	1	06/08/22 13:57	6/7/22	
2,2'-Oxybis(1-chloropropane)	69 U	340	69	1	06/08/22 13:57	6/7/22	
Bis(2-chloroethoxy)methane	82 U	340	82	1	06/08/22 13:57	6/7/22	
Bis(2-chloroethyl) Ether	67 U	340	67	1	06/08/22 13:57	6/7/22	
Bis(2-ethylhexyl) Phthalate	62 U	510	62	1	06/08/22 13:57	6/7/22	
Butyl Benzyl Phthalate	41 U	340	41	1	06/08/22 13:57	6/7/22	
Caprolactam	74 U	340	74	1	06/08/22 13:57	6/7/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2206394-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	55 U	340	55	1	06/08/22 13:57	6/7/22	
Chrysene	50 U	340	50	1	06/08/22 13:57	6/7/22	
Di-n-butyl Phthalate	55 U	340	55	1	06/08/22 13:57	6/7/22	
Di-n-octyl Phthalate	120 U	340	120	1	06/08/22 13:57	6/7/22	
Dibenz(a,h)anthracene	73 U	340	73	1	06/08/22 13:57	6/7/22	
Dibenzofuran	62 U	340	62	1	06/08/22 13:57	6/7/22	
Diethyl Phthalate	60 U	340	60	1	06/08/22 13:57	6/7/22	
Dimethyl Phthalate	64 U	340	64	1	06/08/22 13:57	6/7/22	
Fluoranthene	85 U	340	85	1	06/08/22 13:57	6/7/22	
Fluorene	63 U	340	63	1	06/08/22 13:57	6/7/22	
Hexachlorobenzene	81 U	340	81	1	06/08/22 13:57	6/7/22	
Hexachlorobutadiene	120 U	340	120	1	06/08/22 13:57	6/7/22	
Hexachlorocyclopentadiene	110 U	340	110	1	06/08/22 13:57	6/7/22	
Hexachloroethane	63 U	340	63	1	06/08/22 13:57	6/7/22	
Indeno(1,2,3-cd)pyrene	110 U	340	110	1	06/08/22 13:57	6/7/22	
Isophorone	70 U	340	70	1	06/08/22 13:57	6/7/22	
N-Nitrosodi-n-propylamine	110 U	340	110	1	06/08/22 13:57	6/7/22	
N-Nitrosodiphenylamine	210 U	340	210	1	06/08/22 13:57	6/7/22	
Naphthalene	63 U	340	63	1	06/08/22 13:57	6/7/22	
Nitrobenzene	60 U	340	60	1	06/08/22 13:57	6/7/22	
Pentachlorophenol (PCP)	340 U	1700	340	1	06/08/22 13:57	6/7/22	
Phenanthrene	48 U	340	48	1	06/08/22 13:57	6/7/22	
Phenol	68 U	340	68	1	06/08/22 13:57	6/7/22	
Pyrene	56 U	340	56	1	06/08/22 13:57	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	49	15 - 142	06/08/22 13:57	
2-Fluorobiphenyl	37	25 - 114	06/08/22 13:57	
2-Fluorophenol	36	18 - 98	06/08/22 13:57	
Nitrobenzene-d5	36	14 - 104	06/08/22 13:57	
Phenol-d6	36	18 - 103	06/08/22 13:57	
Terphenyl-d14	52	38 - 141	06/08/22 13:57	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2206596-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	74 U	330	74	1	06/09/22 17:05	6/9/22	
2,3,4,6-Tetrachlorophenol	120 U	330	120	1	06/09/22 17:05	6/9/22	
2,4,5-Trichlorophenol	82 U	330	82	1	06/09/22 17:05	6/9/22	
2,4,6-Trichlorophenol	74 U	330	74	1	06/09/22 17:05	6/9/22	
2,4-Dichlorophenol	64 U	330	64	1	06/09/22 17:05	6/9/22	
2,4-Dimethylphenol	59 U	330	59	1	06/09/22 17:05	6/9/22	
2,4-Dinitrophenol	560 U	1700	560	1	06/09/22 17:05	6/9/22	
2,4-Dinitrotoluene	130 U	330	130	1	06/09/22 17:05	6/9/22	
2,6-Dinitrotoluene	72 U	330	72	1	06/09/22 17:05	6/9/22	
2-Chloronaphthalene	66 U	330	66	1	06/09/22 17:05	6/9/22	
2-Chlorophenol	55 U	330	55	1	06/09/22 17:05	6/9/22	
2-Methylnaphthalene	120 U	330	120	1	06/09/22 17:05	6/9/22	
2-Methylphenol	69 U	330	69	1	06/09/22 17:05	6/9/22	
2-Nitroaniline	78 U	1700	78	1	06/09/22 17:05	6/9/22	
2-Nitrophenol	77 U	330	77	1	06/09/22 17:05	6/9/22	
3,3'-Dichlorobenzidine	37 U	330	37	1	06/09/22 17:05	6/9/22	
3- and 4-Methylphenol Coelution	63 U	330	63	1	06/09/22 17:05	6/9/22	
3-Nitroaniline	67 U	1700	67	1	06/09/22 17:05	6/9/22	
4,6-Dinitro-2-methylphenol	190 U	1700	190	1	06/09/22 17:05	6/9/22	
4-Bromophenyl Phenyl Ether	87 U	330	87	1	06/09/22 17:05	6/9/22	
4-Chloro-3-methylphenol	67 U	330	67	1	06/09/22 17:05	6/9/22	
4-Chloroaniline	56 U	330	56	1	06/09/22 17:05	6/9/22	
4-Chlorophenyl Phenyl Ether	71 U	330	71	1	06/09/22 17:05	6/9/22	
4-Nitroaniline	71 U	1700	71	1	06/09/22 17:05	6/9/22	
4-Nitrophenol	67 U	1700	67	1	06/09/22 17:05	6/9/22	
Acenaphthene	63 U	330	63	1	06/09/22 17:05	6/9/22	
Acenaphthylene	67 U	330	67	1	06/09/22 17:05	6/9/22	
Acetophenone	95 U	330	95	1	06/09/22 17:05	6/9/22	
Anthracene	55 U	330	55	1	06/09/22 17:05	6/9/22	
Atrazine	98 U	330	98	1	06/09/22 17:05	6/9/22	
Benz(a)anthracene	49 U	330	49	1	06/09/22 17:05	6/9/22	
Benzaldehyde	80 U	1700	80	1	06/09/22 17:05	6/9/22	
Benzo(a)pyrene	88 U	330	88	1	06/09/22 17:05	6/9/22	
Benzo(b)fluoranthene	55 U	330	55	1	06/09/22 17:05	6/9/22	
Benzo(g,h,i)perylene	76 U	330	76	1	06/09/22 17:05	6/9/22	
Benzo(k)fluoranthene	54 U	330	54	1	06/09/22 17:05	6/9/22	
Biphenyl	98 U	330	98	1	06/09/22 17:05	6/9/22	
2,2'-Oxybis(1-chloropropane)	68 U	330	68	1	06/09/22 17:05	6/9/22	
Bis(2-chloroethoxy)methane	81 U	330	81	1	06/09/22 17:05	6/9/22	
Bis(2-chloroethyl) Ether	65 U	330	65	1	06/09/22 17:05	6/9/22	
Bis(2-ethylhexyl) Phthalate	61 U	500	61	1	06/09/22 17:05	6/9/22	
Butyl Benzyl Phthalate	40 U	330	40	1	06/09/22 17:05	6/9/22	
Caprolactam	73 U	330	73	1	06/09/22 17:05	6/9/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2206596-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	54 U	330	54	1	06/09/22 17:05	6/9/22	
Chrysene	49 U	330	49	1	06/09/22 17:05	6/9/22	
Di-n-butyl Phthalate	54 U	330	54	1	06/09/22 17:05	6/9/22	
Di-n-octyl Phthalate	120 U	330	120	1	06/09/22 17:05	6/9/22	
Dibenz(a,h)anthracene	72 U	330	72	1	06/09/22 17:05	6/9/22	
Dibenzofuran	60 U	330	60	1	06/09/22 17:05	6/9/22	
Diethyl Phthalate	59 U	330	59	1	06/09/22 17:05	6/9/22	
Dimethyl Phthalate	63 U	330	63	1	06/09/22 17:05	6/9/22	
Fluoranthene	83 U	330	83	1	06/09/22 17:05	6/9/22	
Fluorene	62 U	330	62	1	06/09/22 17:05	6/9/22	
Hexachlorobenzene	79 U	330	79	1	06/09/22 17:05	6/9/22	
Hexachlorobutadiene	120 U	330	120	1	06/09/22 17:05	6/9/22	
Hexachlorocyclopentadiene	110 U	330	110	1	06/09/22 17:05	6/9/22	
Hexachloroethane	62 U	330	62	1	06/09/22 17:05	6/9/22	
Indeno(1,2,3-cd)pyrene	110 U	330	110	1	06/09/22 17:05	6/9/22	
Isophorone	69 U	330	69	1	06/09/22 17:05	6/9/22	
N-Nitrosodi-n-propylamine	110 U	330	110	1	06/09/22 17:05	6/9/22	
N-Nitrosodiphenylamine	210 U	330	210	1	06/09/22 17:05	6/9/22	
Naphthalene	62 U	330	62	1	06/09/22 17:05	6/9/22	
Nitrobenzene	59 U	330	59	1	06/09/22 17:05	6/9/22	
Pentachlorophenol (PCP)	330 U	1700	330	1	06/09/22 17:05	6/9/22	
Phenanthrene	47 U	330	47	1	06/09/22 17:05	6/9/22	
Phenol	67 U	330	67	1	06/09/22 17:05	6/9/22	
Pyrene	55 U	330	55	1	06/09/22 17:05	6/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	56	15 - 142	06/09/22 17:05	
2-Fluorobiphenyl	44	25 - 114	06/09/22 17:05	
2-Fluorophenol	42	18 - 98	06/09/22 17:05	
Nitrobenzene-d5	41	14 - 104	06/09/22 17:05	
Phenol-d6	42	18 - 103	06/09/22 17:05	
Terphenyl-d14	58	38 - 141	06/09/22 17:05	

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205037
Date Analyzed: 06/08/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2206394-02			RQ2206394-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	8270D	1330	3340	40	2080	3360	62	10-174	44*	30
2,3,4,6-Tetrachlorophenol	8270D	1720	3350	51	2620	3380	78	42-127	41*	30
2,4,5-Trichlorophenol	8270D	1520	3350	45	2290	3380	68	33-134	40*	30
2,4,6-Trichlorophenol	8270D	1520	3350	45	2260	3380	67	24-131	39*	30
2,4-Dichlorophenol	8270D	1550	3350	46	2300	3380	68	17-125	39*	30
2,4-Dimethylphenol	8270D	1510	3350	45	2220	3380	66	21-116	38*	30
2,4-Dinitrophenol	8270D	1450 J	3350	43	1770	3380	52	10-80	20	30
2,4-Dinitrotoluene	8270D	1600	3350	48 *	2430	3380	72	55-118	41*	30
2,6-Dinitrotoluene	8270D	1600	3350	48	2420	3380	72	38-136	41*	30
2-Chloronaphthalene	8270D	1450	3350	43	2170	3380	64	27-121	40*	30
2-Chlorophenol	8270D	1440	3350	43	2120	3380	63	20-97	38*	30
2-Methylnaphthalene	8270D	1530	3350	46	2220	3380	66	23-111	37*	30
2-Methylphenol	8270D	1520	3350	45	2250	3380	67	28-105	39*	30
2-Nitroaniline	8270D	1550 J	3350	46	2400	3380	71	40-124	43*	30
2-Nitrophenol	8270D	1490	3350	44	2160	3380	64	15-107	37*	30
3- and 4-Methylphenol Coelution	8270D	1400	3350	42	2070	3380	61	25-112	39*	30
3-Nitroaniline	8270D	1100 J	3350	33 *	1640 J	3380	48	36-112	40*	30
4,6-Dinitro-2-methylphenol	8270D	1210 J	3350	36	1720	3380	51	23-107	35*	30
4-Bromophenyl Phenyl Ether	8270D	1580	3350	47	2340	3380	69	38-138	39*	30
4-Chloro-3-methylphenol	8270D	1500	3350	45	2220	3380	66	25-123	39*	30
4-Chloroaniline	8270D	1050	3350	31	1510	3380	45	30-87	36*	30
4-Chlorophenyl Phenyl Ether	8270D	1510	3350	45	2280	3380	67	41-130	40*	30
4-Nitroaniline	8270D	1420 J	3350	42 *	2150	3380	64	49-119	41*	30
4-Nitrophenol	8270D	1500 J	3350	45	2330	3380	69	33-124	44*	30
Acenaphthene	8270D	1480	3350	44	2200	3380	65	34-121	39*	30
Acenaphthylene	8270D	1640	3350	49	2430	3380	72	39-124	39*	30
Acetophenone	8270D	2580	6700	38	3900	6760	58	20-89	41*	30
Anthracene	8270D	1550	3350	46 *	2280	3380	67	58-119	38*	30
Benz(a)anthracene	8270D	1440	3350	43 *	2160	3380	64	60-114	40*	30
Benzo(a)pyrene	8270D	1800	3350	54 *	2810	3380	83	72-128	44*	30
Benzo(b)fluoranthene	8270D	1440	3350	43 *	2250	3380	67	64-109	44*	30
Benzo(g,h,i)perylene	8270D	1380	3350	41 *	2140	3380	63	59-129	44*	30
Benzo(k)fluoranthene	8270D	1540	3350	46 *	2370	3380	70	70-110	43*	30

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205037
Date Analyzed: 06/08/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2206394-02			RQ2206394-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Biphenyl	8270D	1320	3350	39	2100	3380	62	17-123	46*	30
2,2'-Oxybis(1-chloropropane)	8270D	1440	3350	43	2130	3380	63	22-80	39*	30
Bis(2-chloroethoxy)methane	8270D	1790	3350	54	2610	3380	77	31-112	37*	30
Bis(2-chloroethyl) Ether	8270D	1460	3350	44	2130	3380	63	21-83	38*	30
Bis(2-ethylhexyl) Phthalate	8270D	1620	3350	48 *	2460	3380	73	57-117	41*	30
Butyl Benzyl Phthalate	8270D	1510	3350	45 *	2310	3380	68	60-116	42*	30
Caprolactam	8270D	1460	3350	44	2260	3380	67	10-150	43*	30
Carbazole	8270D	1620	3350	48 *	2440	3380	72	63-129	40*	30
Chrysene	8270D	1420	3350	42 *	2160	3380	64 *	65-114	41*	30
Di-n-butyl Phthalate	8270D	1650	3350	49 *	2530	3380	75	71-126	42*	30
Di-n-octyl Phthalate	8270D	1670	3350	50 *	2620	3380	77	60-115	44*	30
Dibenz(a,h)anthracene	8270D	1260	3350	37 *	1870	3380	55 *	60-128	39*	30
Dibenzofuran	8270D	1490	3350	44	2220	3380	66	38-124	39*	30
Diethyl Phthalate	8270D	1460	3350	44 *	2190	3380	65	51-113	40*	30
Dimethyl Phthalate	8270D	1500	3350	45	2260	3380	67	40-127	40*	30
Fluoranthene	8270D	1540	3350	46 *	2290	3380	68	61-131	39*	30
Fluorene	8270D	1500	3350	45	2280	3380	68	39-128	41*	30
Hexachlorobenzene	8270D	1520	3350	45	2210	3380	66	42-135	37*	30
Hexachlorobutadiene	8270D	1550	3350	46	2220	3380	66	19-96	36*	30
Hexachlorocyclopentadiene	8270D	1790	3350	53	2530	3380	75	10-112	34*	30
Hexachloroethane	8270D	1400	3350	42	2020	3380	60	15-75	36*	30
Indeno(1,2,3-cd)pyrene	8270D	1390	3350	41 *	2160	3380	64	60-123	44*	30
Isophorone	8270D	1700	3350	51	2500	3380	74	27-106	38*	30
N-Nitrosodi-n-propylamine	8270D	1420	3350	42	2130	3380	63	22-99	40*	30
N-Nitrosodiphenylamine	8270D	1680	3350	50 *	2510	3380	74	51-127	39*	30
Naphthalene	8270D	1480	3350	44	2140	3380	63	21-101	37*	30
Nitrobenzene	8270D	1490	3350	45	2180	3380	64	22-98	37*	30
Pentachlorophenol (PCP)	8270D	2010	3350	60	2890	3380	85	46-124	36*	30
Phenanthrene	8270D	1480	3350	44 *	2210	3380	65	56-117	39*	30
Phenol	8270D	1410	3350	42	2100	3380	62	24-102	39*	30
Pyrene	8270D	1550	3350	46 *	2340	3380	69	67-118	40*	30

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205037
Date Analyzed: 06/10/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2206596-02			RQ2206596-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	8270D	2200	3320	66	2300	3320	69	10-174	4	30
2,3,4,6-Tetrachlorophenol	8270D	3120	3330	94	3110	3330	93	42-127	<1	30
2,4,5-Trichlorophenol	8270D	2780	3330	83	2790	3330	84	33-134	<1	30
2,4,6-Trichlorophenol	8270D	2650	3330	80	2700	3330	81	24-131	2	30
2,4-Dichlorophenol	8270D	2580	3330	77	2670	3330	80	17-125	4	30
2,4-Dimethylphenol	8270D	2470	3330	74	2600	3330	78	21-116	5	30
2,4-Dinitrophenol	8270D	1980	3330	59	2030	3330	61	10-80	3	30
2,4-Dinitrotoluene	8270D	2860	3330	86	2930	3330	88	55-118	2	30
2,6-Dinitrotoluene	8270D	2850	3330	86	2860	3330	86	38-136	<1	30
2-Chloronaphthalene	8270D	2370	3330	71	2420	3330	73	27-121	2	30
2-Chlorophenol	8270D	2150	3330	65	2330	3330	70	20-97	8	30
2-Methylnaphthalene	8270D	2320	3330	70	2490	3330	75	23-111	7	30
2-Methylphenol	8270D	2400	3330	72	2590	3330	78	28-105	7	30
2-Nitroaniline	8270D	2790	3330	84	2830	3330	85	40-124	1	30
2-Nitrophenol	8270D	2240	3330	67	2450	3330	73	15-107	9	30
3- and 4-Methylphenol Coelution	8270D	2270	3330	68	2390	3330	72	25-112	5	30
3-Nitroaniline	8270D	1740	3330	52	1890	3330	57	36-112	8	30
4,6-Dinitro-2-methylphenol	8270D	1880	3330	56	2020	3330	61	23-107	7	30
4-Bromophenyl Phenyl Ether	8270D	2720	3330	82	2740	3330	82	38-138	<1	30
4-Chloro-3-methylphenol	8270D	2590	3330	78	2680	3330	80	25-123	3	30
4-Chloroaniline	8270D	1610	3330	48	1970	3330	59	30-87	20	30
4-Chlorophenyl Phenyl Ether	8270D	2620	3330	78	2690	3330	81	41-130	3	30
4-Nitroaniline	8270D	2580	3330	77	2790	3330	84	49-119	8	30
4-Nitrophenol	8270D	2930	3330	88	2880	3330	86	33-124	2	30
Acenaphthene	8270D	2470	3330	74	2530	3330	76	34-121	3	30
Acenaphthylene	8270D	2730	3330	82	2780	3330	83	39-124	2	30
Acetophenone	8270D	3860	6670	58	4210	6670	63	20-89	9	30
Anthracene	8270D	2650	3330	79	2730	3330	82	58-119	3	30
Benz(a)anthracene	8270D	2510	3330	75	2560	3330	77	60-114	2	30
Benzo(a)pyrene	8270D	3250	3330	98	3360	3330	101	72-128	3	30
Benzo(b)fluoranthene	8270D	2650	3330	80	2680	3330	80	64-109	1	30
Benzo(g,h,i)perylene	8270D	2430	3330	73	2440	3330	73	59-129	<1	30
Benzo(k)fluoranthene	8270D	2740	3330	82	2780	3330	83	70-110	1	30

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205037
Date Analyzed: 06/10/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2206596-02			RQ2206596-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Biphenyl	8270D	2330	3330	70	2380	3330	72	17-123	2	30
2,2'-Oxybis(1-chloropropane)	8270D	2030	3330	61	2220	3330	67	22-80	9	30
Bis(2-chloroethoxy)methane	8270D	2710	3330	81	2920	3330	88	31-112	8	30
Bis(2-chloroethyl) Ether	8270D	2020	3330	61	2230	3330	67	21-83	10	30
Bis(2-ethylhexyl) Phthalate	8270D	2740	3330	82	2760	3330	83	57-117	<1	30
Butyl Benzyl Phthalate	8270D	2570	3330	77	2620	3330	79	60-116	2	30
Caprolactam	8270D	2630	3330	79	2720	3330	82	10-150	3	30
Carbazole	8270D	2910	3330	87	2950	3330	88	63-129	1	30
Chrysene	8270D	2530	3330	76	2560	3330	77	65-114	1	30
Di-n-butyl Phthalate	8270D	2930	3330	88	2940	3330	88	71-126	<1	30
Di-n-octyl Phthalate	8270D	2800	3330	84	2900	3330	87	60-115	4	30
Dibenz(a,h)anthracene	8270D	2330	3330	70	2350	3330	71	60-128	1	30
Dibenzofuran	8270D	2550	3330	77	2600	3330	78	38-124	2	30
Diethyl Phthalate	8270D	2510	3330	75	2560	3330	77	51-113	2	30
Dimethyl Phthalate	8270D	2640	3330	79	2660	3330	80	40-127	<1	30
Fluoranthene	8270D	2810	3330	84	2830	3330	85	61-131	<1	30
Fluorene	8270D	2610	3330	78	2670	3330	80	39-128	2	30
Hexachlorobenzene	8270D	2600	3330	78	2660	3330	80	42-135	2	30
Hexachlorobutadiene	8270D	2140	3330	64	2340	3330	70	19-96	9	30
Hexachlorocyclopentadiene	8270D	2400	3330	72	2560	3330	77	10-112	7	30
Hexachloroethane	8270D	1850	3330	55	2010	3330	60	15-75	9	30
Indeno(1,2,3-cd)pyrene	8270D	2520	3330	76	2550	3330	77	60-123	1	30
Isophorone	8270D	2590	3330	78	2750	3330	82	27-106	6	30
N-Nitrosodi-n-propylamine	8270D	2130	3330	64	2310	3330	69	22-99	8	30
N-Nitrosodiphenylamine	8270D	2900	3330	87	2930	3330	88	51-127	1	30
Naphthalene	8270D	2120	3330	64	2320	3330	69	21-101	9	30
Nitrobenzene	8270D	2140	3330	64	2330	3330	70	22-98	8	30
Pentachlorophenol (PCP)	8270D	3390	3330	102	3460	3330	104	46-124	2	30
Phenanthrene	8270D	2590	3330	78	2620	3330	79	56-117	1	30
Phenol	8270D	2190	3330	66	2360	3330	71	24-102	7	30
Pyrene	8270D	2640	3330	79	2660	3330	80	67-118	<1	30

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Anchor QEA, LLC **Service Request:** R2205037

Project: John Street/E.10921.03.01

Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A

Extraction Method: EPA 3546

Sample Name	Lab Code	Decachlorobiphenyl 22-128	Tetrachloro-m-xylene 14-119
SB2-5-6-220602	R2205037-001	81	80
SB2-6-7-220602	R2205037-002	76	73
SB2-7-8-220602	R2205037-003	73	70
SB2-8-9-220602	R2205037-004	72	71
SB2-9-10-220602	R2205037-005	76	72
SB2-FD-220602	R2205037-006	85	86
SB5-5-6-220602	R2205037-007	58	75
SB5-6-7-220602	R2205037-008	73	80
SB5-7-8-220602	R2205037-009	77	79
SB5-8-9-220602	R2205037-010	84	81
Method Blank	RQ2206371-01	77	79
Lab Control Sample	RQ2206371-02	84	82
Duplicate Lab Control Sample	RQ2206371-03	83	82
SB5-6-7-220602 MS	RQ2206371-06	86	88
SB5-6-7-220602 DMS	RQ2206371-07	81	83

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	06/02/22
Sample Matrix:	Soil	**Date Received:**	06/03/22
		Date Analyzed:	06/10/22
		Date Extracted:	06/7/22

Duplicate Matrix Spike Summary
Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Sample Name:	SB5-6-7-220602	**Units:**	ug/Kg
Lab Code:	R2205037-008	**Basis:**	Dry
Analysis Method:	8082A		
Prep Method:	EPA 3546		

		Matrix Spike RQ2206371-06			Duplicate Matrix Spike RQ2206371-07					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	21 U	188	205	91	167	194	86	26-137	12	30
Aroclor 1260	21 U	178	205	87	158	194	82	30-156	12	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2206371-01	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	34 U	34	1	06/10/22 04:51	6/7/22	
Aroclor 1221	68 U	68	1	06/10/22 04:51	6/7/22	
Aroclor 1232	34 U	34	1	06/10/22 04:51	6/7/22	
Aroclor 1242	34 U	34	1	06/10/22 04:51	6/7/22	
Aroclor 1248	34 U	34	1	06/10/22 04:51	6/7/22	
Aroclor 1254	34 U	34	1	06/10/22 04:51	6/7/22	
Aroclor 1260	34 U	34	1	06/10/22 04:51	6/7/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	77	22 - 128	06/10/22 04:51	
Tetrachloro-m-xylene	79	14 - 119	06/10/22 04:51	

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205037
Date Analyzed: 06/10/22

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Units:ug/Kg
Basis: Dry

			Lab Control Sample			Duplicate Lab Control Sample				
			RQ2206371-02			RQ2206371-03				
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	8082A	127	165	77	130	167	78	41-127	2	30
Aroclor 1260	8082A	127	165	77	129	167	77	49-135	1	30

Metals

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Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project:	John Street/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	Dry
Lab Code:	R2205037-MB		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	12	U	mg/Kg	20	12	1	06/07/22 20:21	06/07/22	
Antimony, Total	6010C	0.6	U	mg/Kg	6.0	0.6	1	06/07/22 20:21	06/07/22	
Arsenic, Total	6010C	0.7	U	mg/Kg	1.0	0.7	1	06/07/22 20:21	06/07/22	
Barium, Total	6010C	1.5	U	mg/Kg	2.0	1.5	1	06/07/22 20:21	06/07/22	
Beryllium, Total	6010C	0.03	U	mg/Kg	0.30	0.03	1	06/07/22 20:21	06/07/22	
Cadmium, Total	6010C	0.09	U	mg/Kg	0.50	0.09	1	06/07/22 20:21	06/07/22	
Calcium, Total	6010C	40	U	mg/Kg	100	40	1	06/07/22 20:21	06/07/22	
Chromium, Total	6010C	0.4	U	mg/Kg	1.0	0.4	1	06/07/22 20:21	06/07/22	
Cobalt, Total	6010C	0.09	U	mg/Kg	5.0	0.09	1	06/07/22 20:21	06/07/22	
Copper, Total	6010C	0.2	U	mg/Kg	2.0	0.2	1	06/07/22 20:21	06/07/22	
Iron, Total	6010C	13	U	mg/Kg	20	13	1	06/07/22 20:21	06/07/22	
Lead, Total	6010C	0.4	U	mg/Kg	5.0	0.4	1	06/07/22 20:21	06/07/22	
Magnesium, Total	6010C	20	U	mg/Kg	100	20	1	06/07/22 20:21	06/07/22	
Manganese, Total	6010C	0.2	U	mg/Kg	2.0	0.2	1	06/07/22 20:21	06/07/22	
Mercury, Total	7471B	0.020	U	mg/Kg	0.050	0.020	1	06/13/22 10:05	06/09/22	
Nickel, Total	6010C	0.7	U	mg/Kg	4.0	0.7	1	06/07/22 20:21	06/07/22	
Potassium, Total	6010C	50	U	mg/Kg	200	50	1	06/07/22 20:21	06/07/22	
Selenium, Total	6010C	0.6	U	mg/Kg	1.0	0.6	1	06/07/22 20:21	06/07/22	
Silver, Total	6010C	0.09	U	mg/Kg	1.0	0.09	1	06/07/22 20:21	06/07/22	
Sodium, Total	6010C	20	U	mg/Kg	100	20	1	06/07/22 20:21	06/07/22	
Thallium, Total	6010C	0.7	U	mg/Kg	1.0	0.7	1	06/07/22 20:21	06/07/22	
Vanadium, Total	6010C	0.07	U	mg/Kg	5.0	0.07	1	06/07/22 20:21	06/07/22	
Zinc, Total	6010C	1.4	U	mg/Kg	2.0	1.4	1	06/07/22 20:21	06/07/22	

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request:R2205037
Date Collected:06/02/22
Date Received:06/03/22
Date Analyzed:06/07/22 - 06/13/22

Duplicate Matrix Spike Summary
Inorganic Parameters

Sample Name: SB5-6-7-220602
Lab Code: R2205037-008

Units:mg/Kg
Basis: Dry

			Matrix Spike			Duplicate Matrix Spike					
			R2205037-008MS			R2205037-008DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aluminum, Total	6010C	6020	6520	202	247 #	5750	214	-126 #	75-125	13	20
Antimony, Total	6010C	0.6 U	40.0	50.5	79	42.0	53.4	79	75-125	5	20
Arsenic, Total	6010C	14.7	20.0	4.0	131 *	18.2	4.3	81	75-125	10	20
Barium, Total	6010C	59.5	265	202	102	271	214	99	75-125	2	20
Beryllium, Total	6010C	0.33	5.13	5.05	95	5.32	5.34	93	75-125	4	20
Cadmium, Total	6010C	0.48 J	5.38	5.05	97	5.64	5.34	97	75-125	5	20
Calcium, Total	6010C	3420	6210	200	1384 #	3310	210	-52 #	75-125	61*	20
Chromium, Total	6010C	19.2	47.6	20.2	140 *	38.7	21.4	91	75-125	21*	20
Cobalt, Total	6010C	7.1	55.9	50.5	97	58.2	53.4	96	75-125	4	20
Copper, Total	6010C	26.4	62.2	25.3	142 *	51.4	26.7	94	75-125	19	20
Iron, Total	6010C	16900	15700	100	-1193 #	13400	110	-3241 #	75-125	16	20
Lead, Total	6010C	25.4	86.8	50.5	122	78.1	53.4	99	75-125	11	20
Magnesium, Total	6010C	4130	5630	200	743 #	3650	210	-222 #	75-125	43*	20
Manganese, Total	6010C	372	378	50.5	12 #	383	53.4	20 #	75-125	1	20
Mercury, Total	7471B	353	173	0.2	-80939 #	180	0.2	-77636 #	80-120	4	20
Nickel, Total	6010C	22.0	72.2	50.5	99	72.6	53.4	95	75-125	<1	20
Potassium, Total	6010C	1980	3890	2020	94	3660	2140	78	75-125	6	20
Selenium, Total	6010C	0.6 U	88.5	102	87	91.8	108	85	75-125	4	20
Silver, Total	6010C	0.10 U	5.0	5.1	99	5.2	5.3	97	75-125	4	20
Sodium, Total	6010C	110	2230	2020	105	2310	2140	103	75-125	3	20
Thallium, Total	6010C	0.7 U	194	202	96	201	214	94	75-125	3	20
Vanadium, Total	6010C	27.1	77.5	50.5	100	73.6	53.4	87	75-125	5	20
Zinc, Total	6010C	146	205	50.5	118	195	53.4	93	75-125	5	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205037
Date Analyzed: 06/07/22 - 06/13/22

Lab Control Sample Summary
Inorganic Parameters

Units:mg/Kg
Basis: Dry

Lab Control Sample
R2205037-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Aluminum, Total	6010C	200	200	100	80-120
Antimony, Total	6010C	47.8	50.0	96	80-120
Arsenic, Total	6010C	3.79	4.0	95	80-120
Barium, Total	6010C	207	200	104	80-120
Beryllium, Total	6010C	4.77	5.00	95	80-120
Cadmium, Total	6010C	5.10	5.00	102	80-120
Calcium, Total	6010C	207	200	104	80-120
Chromium, Total	6010C	20.7	20.0	103	80-120
Cobalt, Total	6010C	50.6	50.0	101	80-120
Copper, Total	6010C	25.2	25.0	101	80-120
Iron, Total	6010C	102	100	102	80-120
Lead, Total	6010C	50.4	50.0	101	80-120
Magnesium, Total	6010C	206	200	103	80-120
Manganese, Total	6010C	50.5	50.0	101	80-120
Mercury, Total	7471B	0.283	0.250	113	80-120
Nickel, Total	6010C	51.6	50.0	103	80-120
Potassium, Total	6010C	1950	2000	98	80-120
Selenium, Total	6010C	88.8	101	88	80-120
Silver, Total	6010C	4.86	5.0	97	80-120
Sodium, Total	6010C	2080	2000	104	80-120
Thallium, Total	6010C	184	200	92	80-120
Vanadium, Total	6010C	50.6	50.0	101	80-120
Zinc, Total	6010C	50.4	50.0	101	80-120

General Chemistry

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ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client:	Anchor QEA, LLC	**Service Request:**	R2205037
Project	John Street/E.10921.03.01	**Date Collected:**	06/02/22
Sample Matrix:	Soil	**Date Received:**	06/03/22
		Date Analyzed:	06/07/22

Replicate Sample Summary

General Chemistry Parameters

Sample Name:	SB5-6-7-220602	**Units:**	Percent
Lab Code:	R2205037-008	**Basis:**	As Received

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Sample R2205037-008DUP Result	Average	RPD	RPD Limit
Total Solids	ALS SOP	-	-	90.0	90.5	90.3	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

December 07, 2022 Service Request No:R2210625

Jennifer Marsalla
Anchor QEA, LLC
1201 Third Avenue
Suite 2600
Seattle, WA 98101

Laboratory Results for: John Street SC

Dear Jennifer,

Enclosed are the results of the sample(s) submitted to our laboratory November 03, 2022
For your reference, these analyses have been assigned our service request number **R2210625.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7475. You may also contact me via email at Meghan.Pedro@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Meghan Pedro
Project Manager

CC: Labdata

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Rochester Laboratory
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Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Anchor QEA, LLC
Project: John Street SC
Sample Matrix: Soil, Water

Service Request: R2210625
Date Received: 11/03/2022

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

Thirteen soil, water samples were received for analysis at ALS Environmental on 11/03/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:

Method 8270D, 11/17/2022: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
Method 8270D, 11/17/2022: The control limit was exceeded for one or more surrogates in the Continuing Calibration Verification (CCV). The surrogates were within acceptance limits for the associated field samples. The data quality was not significantly affected and no further corrective action was taken.

Method 8270D, 11/17/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8270D, 11/11/2022: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Method 8270D, 11/11/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8270D, 11/10/2022: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
Method 8270D, 11/10/2022: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
Method 8270D, 11/10/2022: The lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte. There were no detections of the analyte(s) in the associated field samples. The discrepancy associated with reduced recovery equates to a potential low bias. The analytes affected are flagged in the LCS Summary.

Semivoa GC:

Approved by Meghan Pedro Date 12/01/2022

Method 8082A, 786007: The control limits were exceeded for one or more surrogates due to suspected matrix interferences. Sample is scheduled for re-extraction.
Method 8082A: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV) on one detector. All recoveries were acceptable on the secondary detector. Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Metals:

Method 6010C, 11/12/2022: The Continuing Calibration Blank (CCB) contained a low level of Thallium above the Method Reporting Limit (MRL). Since there were no detections above the reporting level of the analyte(s) in the field samples bracketed by elevated CCB, there is no significant impact on the data.

General Chemistry:

No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

Method 8260C, 11/15/2022: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Approved by Meghan Pedro Date 12/01/2022

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Anchor QEA, LLC **Service Request:**R2210625

Project: John Street SC/E.10921.03.01

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2210625-002	JSSC-TMW-01-20221101	11/1/2022	1320
R2210625-003	JSSC-TMW-01-20221101-DISS	11/1/2022	1320
R2210625-004	JSSC-TMW-01-DUP-20221101	11/1/2022	1320
R2210625-005	JSSC-TMW-01-DUP-20221101-DISS	11/1/2022	1320
R2210625-006	JSSC-MW-07-20221102	11/2/2022	0835
R2210625-007	JSSC-MW-07-20221102-DISS	11/2/2022	0835
R2210625-008	JSSC-HW-10-20221102	11/2/2022	0940
R2210625-009	JSSC-HW-10-20221102-DISS	11/2/2022	0940
R2210625-010	JSSC-EB-110222	11/2/2022	1030
R2210625-011	JSSC-EB-110222-DISS	11/2/2022	1030
R2210625-012	JSSC-TB-110222	11/2/2022	
R2210625-013	JSSC-TMW-01-16-17-20221101	11/1/2022	1110
R2210625-013	JSSC-TMW-01-16-17-20221101	11/1/2022	1110

Chain of Custody / Analytical Request Form

66097

SR#:

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Page 1 of 1

Report To:	ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER
Company: Anchor QEA	Project Name: John St. SC
Contact: Matt Cavas	Project Number: ~~E209~~ E10921-03.01
Email: mcavas@anchorqea.com	ALS Quote #:
Phone: (518) 222-5486	Sampler's Signature:
Address:	Email CC: sdmessur@anchorqea.com
	Email CC: jmarsalla@anchorqea.com
	State Samples Collected (Circle or Write): (NY), MA, PA, CT, Other:

Preservative: 0. None; 1. HCl; 2. HNO3; 3. H2SO4; 4. NAOH; 5. Zn Acet.; 6. MeOH; 7. NaHSO4; 8. Other

Lab ID (ALS)	Sample ID:	Date	Time	Matrix (GW, WW, SW, DW, S, L, NA)	Number of Containers	MS/MSD?	GC/MS VOA 8260 • 624 • 524 • TCLP	GC/MS SVOA 8270 • 625 • TCLP	Pesticides - 8081 • 608 • TCLP	PCBs 8082 • 608	Herbicides - 8151 • TCLP	Metals, Total - Select Below	Metals, Dissolved - Field / In-Lab Filter	Total Hg	Dissolved Hg	8260 TCLP	8270/Metals TCLP	Equitability	Notes:
	JSSC-TMW01-16-17	11/1/22	1110	S	6		X	X		X		X	F	X				F	No Diss. Metals
	JSSC-TMW-01	11/1/22	1320	GW	11		X	X		X		X	F	X	X				
	JSSC-TMW-01-DUP	11/1/22	1320	GW	11		X	X		X		X	F	X	X				
	JSSC-MW-07	11/2/22	0835	GW	11	F	X	X		X		X	F	X	X				
	JSSC-HW-10	11/2/22	0940	GW	11	X	X	X		X		X	F	X	X				
	JSSC-IDW-WATER-110222	11/2/22	0950	GW	7					X						X	X		
	JSSC-EB-110222	11/2/22	1030	GW	11		X	X		X		X	F	X	X				
	JSSC-TB-110222	11/2/22	—	GW	3		X												

Special Instructions / Comments:
- 8270 jar on TMW-01 had cracked, lost about 1/2 of the volume. Poured into a new jar, 1/2 full.

Turnaround Requirements
- ____Rush (Surcharges Apply)
- *Subject to Availability*
- *Please Check with your PM*
- X Standard (10 Business Days)
- Date Required:

Report Requirements
- ____Tier II/Cat A -Results/QC
- ____Tier IV/Cat B - Data Validation Report w/. Data
- EDD: ____Yes ____No
- EDD Type:

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other: _____

Invoice To: (□ Same as Report To)
- PO #:
- Company:
- Contact:
- Email:
- Phone:
- Address:

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature						
Printed Name	Stephen Messur	Gregory D. Eisenstein				
Company	Anchor QEA	ALS				
Date/Time	11/2/22 1130	11/3/22 0930				

R2210625 5
Anchor QEA, LLC
John Street BC

Distribution: White - Lab Copy; Yellow - Return to Originator

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Cooler Receipt and Preservati

R2210625 5
Anchor QEA, LLC
John Street BC

Project/Client Anchor Folder Number

Cooler received on 11/3/22 by: SES COURIER: ALS UPS (FEDEX) VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y (N)	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	(Y) N NA
3	Did all bottles arrive in good **condition** (unbroken)?	Y (N) *	6	Where did the bottles originate?	(ALS/ROC) CLIENT
4	Circle: (Wet Ice) **Dry Ice Gel packs** present?	(Y) N	7	Soil VOA received as: Bulk Encore (5035set) NA	

8. Temperature Readings Date: 11/3/22 Time: 1020 ID: IR#7 (IR#11) From: (Temp Blank) Sample Bottle

Observed Temp (°C)	1.3	3.8					
Within 0-6°C?	(Y) N	(Y) N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by SES on 11/3/22 at 1028
5035 samples placed in storage location: F09 by SES on 11/3/22 at 1029 within 48 hours of sampling? (Y) N

Cooler Breakdown/Preservation Check**: Date: 11/04/22 Time: 0901 by: AL

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? (YES) NO N/A
13. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2	2061722	HNO_3			20220124S7					
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**						

Bottle lot numbers: 22-09-19, 091222-3AXH, 090522-1GT

Explain all Discrepancies/ Other Comments:

JSSC-HW-10 8270 amber
*Cap is cracked, will be replaced

** JSSC-HW-10 1 amber for 8270 broken
** JSSC-HW-10 1 amber for 8082 broken.

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: AL
PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

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Internal Chain of Custody Report

Client: Anchor QEA, LLC **Service Request:** R2210625
Project: John Street SC/E.10921.03.01

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2210625-001.01					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0913	R-002 / GESMERIAN	
R2210625-001.02					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0913	R-002 / GESMERIAN	
R2210625-001.04					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0913	R-002 / GESMERIAN	
R2210625-001.05					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0913	F-09 / GESMERIAN	
		11/4/2022	0928	F-09 / GESMERIAN	
R2210625-001.06					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0913	F-09 / GESMERIAN	
		11/4/2022	0928	F-09 / GESMERIAN	
R2210625-001.07					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0913	F-09 / GESMERIAN	
		11/4/2022	0928	F-09 / GESMERIAN	
R2210625-002.01					
	6010C,6010C				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-A01 / GESMERIAN	
		11/10/2022	1627	In Lab / CDISTEFANO	
		11/10/2022	1823	R-A01 / CDISTEFANO	
R2210625-002.02					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-002.03					
	8270D				
		11/3/2022	1423	SMO / BKALKMAN	

Client: Anchor QEA, LLC **Service Request:** R2210625
Project: John Street SC/E.10921.03.01

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8270D				
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-002.04					
	7470A				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-002 / GESMERIAN	
		11/10/2022	1453	In Lab / CWOODS	
R2210625-002.05					
	8260C				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-001 / GESMERIAN	
		11/14/2022	1037	In Lab / FNAEGLER	
		11/14/2022	1041	R-001-S08 / FNAEGLER	
		11/14/2022	1623	In Lab / FNAEGLER	
		11/14/2022	1625	R-001-S08 / FNAEGLER	
R2210625-002.06					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-001 / GESMERIAN	
R2210625-002.07					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-001 / GESMERIAN	
R2210625-002.08					
	8082A				
		11/4/2022	0907	SMO / GESMERIAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-002.09					
		11/4/2022	0907	SMO / GESMERIAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-003.01					
	6010C,6010C				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0913	R-002 / GESMERIAN	
		11/4/2022	0927	R-002 / GESMERIAN	
		11/10/2022	1627	In Lab / CDISTEFANO	
		11/10/2022	1823	R-A01 / CDISTEFANO	
R2210625-003.02					

Client: Anchor QEA, LLC **Service Request:** R2210625

Project: John Street SC/E.10921.03.01

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	7470A				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0913	R-002 / GESMERIAN	
		11/4/2022	0927	R-002 / GESMERIAN	
		11/10/2022	1453	In Lab / CWOODS	
R2210625-004.01					
	6010C,6010C				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-A01 / GESMERIAN	
		11/10/2022	1627	In Lab / CDISTEFANO	
		11/10/2022	1823	R-A01 / CDISTEFANO	
R2210625-004.02					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-004.03					
	8270D				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-004.04					
	7470A				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-002 / GESMERIAN	
		11/10/2022	1453	In Lab / CWOODS	
R2210625-004.05					
	8260C				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-001 / GESMERIAN	
		11/14/2022	1037	In Lab / FNAEGLER	
		11/14/2022	1041	R-001-S08 / FNAEGLER	
		11/14/2022	1623	In Lab / FNAEGLER	
		11/14/2022	1625	R-001-S08 / FNAEGLER	
R2210625-004.06					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-001 / GESMERIAN	
R2210625-004.07					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-001 / GESMERIAN	

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Internal Chain of Custody Report

Client: Anchor QEA, LLC **Service Request:** R2210625
Project: John Street SC/E.10921.03.01

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2210625-004.08					
		11/4/2022	0907	SMO / GESMERIAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-004.09					
	8082A				
		11/4/2022	0907	SMO / GESMERIAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-005.01					
	6010C,6010C				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0913	R-002 / GESMERIAN	
		11/4/2022	0927	R-002 / GESMERIAN	
		11/10/2022	1627	In Lab / CDISTEFANO	
		11/10/2022	1823	R-A01 / CDISTEFANO	
R2210625-005.02					
	7470A				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0913	R-002 / GESMERIAN	
		11/4/2022	0927	R-002 / GESMERIAN	
		11/10/2022	1453	In Lab / CWOODS	
R2210625-006.01					
	6010C,6010C				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-A01 / GESMERIAN	
		11/10/2022	1627	In Lab / CDISTEFANO	
		11/10/2022	1823	R-A01 / CDISTEFANO	
R2210625-006.02					
	8270D				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-006.03					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-006.04					
	7470A				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-002 / GESMERIAN	
		11/10/2022	1453	In Lab / CWOODS	

Internal Chain of Custody Report

Client: Anchor QEA, LLC **Service Request:** R2210625
Project: John Street SC/E.10921.03.01

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2210625-006.05					
	8260C				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-001 / GESMERIAN	
		11/14/2022	1037	In Lab / FNAEGLER	
		11/14/2022	1041	R-001-S08 / FNAEGLER	
		11/14/2022	1623	In Lab / FNAEGLER	
		11/14/2022	1625	R-001-S08 / FNAEGLER	
R2210625-006.06					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-001 / GESMERIAN	
R2210625-006.07					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-001 / GESMERIAN	
R2210625-006.08					
		11/4/2022	0907	SMO / GESMERIAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-006.09					
	8082A				
		11/4/2022	0907	SMO / GESMERIAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-007.01					
	6010C,6010C				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0913	R-002 / GESMERIAN	
		11/4/2022	0927	R-002 / GESMERIAN	
		11/10/2022	1627	In Lab / CDISTEFANO	
		11/10/2022	1823	R-A01 / CDISTEFANO	
R2210625-007.02					
	7470A				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0913	R-002 / GESMERIAN	
		11/4/2022	0927	R-002 / GESMERIAN	
		11/10/2022	1454	In Lab / CWOODS	
R2210625-008.01					

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Internal Chain of Custody Report

Client: Anchor QEA, LLC **Service Request:** R2210625
Project: John Street SC/E.10921.03.01

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	6010C,6010C				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0913	R-A01 / GESMERIAN	
		11/10/2022	1627	In Lab / CDISTEFANO	
		11/10/2022	1822	R-A01 / CDISTEFANO	
R2210625-008.02					
	8270D				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-008.03					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-008.04					
	7470A				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0913	R-002 / GESMERIAN	
		11/10/2022	1453	In Lab / CWOODS	
R2210625-008.05					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-001 / GESMERIAN	
R2210625-008.06					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-001 / GESMERIAN	
R2210625-008.07					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-001 / GESMERIAN	
R2210625-008.08					
		11/4/2022	0908	SMO / GESMERIAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-008.09					
		11/4/2022	0908	SMO / GESMERIAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-008.10					

Client: Anchor QEA, LLC **Service Request:** R2210625
Project: John Street SC/E.10921.03.01

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8082A				
		11/4/2022	0908	SMO / GESMERIAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-008.11					
		11/4/2022	0908	SMO / GESMERIAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-008.12					
		11/4/2022	0908	SMO / GESMERIAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-008.13					
		11/4/2022	0908	SMO / GESMERIAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-008.14					
		11/4/2022	0908	SMO / GESMERIAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-008.15					
		11/4/2022	0908	SMO / GESMERIAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-008.16					
		11/4/2022	0908	SMO / GESMERIAN	
		11/4/2022	0912	R-001 / GESMERIAN	
R2210625-008.17					
		11/4/2022	0908	SMO / GESMERIAN	
		11/4/2022	0912	R-001 / GESMERIAN	
R2210625-008.18					
		11/4/2022	0908	SMO / GESMERIAN	
		11/4/2022	0912	R-001 / GESMERIAN	
R2210625-008.19					
	8260C				
		11/4/2022	0908	SMO / GESMERIAN	
		11/4/2022	0912	R-001 / GESMERIAN	
		11/14/2022	1037	In Lab / FNAEGLER	

Client: Anchor QEA, LLC **Service Request:** R2210625
Project: John Street SC/E.10921.03.01

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8260C				
		11/14/2022	1041	R-001-S08 / FNAEGLER	
		11/14/2022	1623	In Lab / FNAEGLER	
		11/14/2022	1625	R-001-S08 / FNAEGLER	
R2210625-008.20					
		11/4/2022	0908	SMO / GESMERIAN	
		11/4/2022	0912	R-001 / GESMERIAN	
R2210625-008.21					
		11/4/2022	0908	SMO / GESMERIAN	
		11/4/2022	0912	R-001 / GESMERIAN	
R2210625-009.01					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0913	R-002 / GESMERIAN	
		11/4/2022	0927	R-002 / GESMERIAN	
		11/10/2022	1823	R-A01 / CDISTEFANO	
R2210625-009.02					
	7470A				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0913	R-002 / GESMERIAN	
		11/4/2022	0927	R-002 / GESMERIAN	
		11/10/2022	1454	In Lab / CWOODS	
R2210625-009.03					
	6010C,6010C				
		11/4/2022	0926	SMO / GESMERIAN	
		11/4/2022	0927	R-002 / GESMERIAN	
		11/10/2022	1627	In Lab / CDISTEFANO	
		11/10/2022	1823	R-A01 / CDISTEFANO	
R2210625-009.04					
		11/4/2022	0926	SMO / GESMERIAN	
		11/4/2022	0927	R-002 / GESMERIAN	
		11/10/2022	1823	R-A01 / CDISTEFANO	
R2210625-009.05					
		11/4/2022	0927	SMO / GESMERIAN	
		11/4/2022	0927	R-002 / GESMERIAN	
		11/10/2022	1454	In Lab / CWOODS	

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Internal Chain of Custody Report

Client: Anchor QEA, LLC **Service Request:** R2210625
Project: John Street SC/E.10921.03.01

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2210625-009.06					
		11/4/2022	0927	SMO / GESMERIAN	
		11/4/2022	0927	R-002 / GESMERIAN	
		11/10/2022	1454	In Lab / CWOODS	
R2210625-010.01					
	6010C,6010C				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-A01 / GESMERIAN	
		11/10/2022	1627	In Lab / CDISTEFANO	
		11/10/2022	1823	R-A01 / CDISTEFANO	
R2210625-010.02					
	8270D				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-010.03					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-010.04					
	7470A				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-002 / GESMERIAN	
		11/10/2022	1453	In Lab / CWOODS	
R2210625-010.05					
	8260C				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-001 / GESMERIAN	
		11/14/2022	1037	In Lab / FNAEGLER	
		11/14/2022	1041	R-001-S08 / FNAEGLER	
		11/14/2022	1623	In Lab / FNAEGLER	
		11/14/2022	1625	R-001-S08 / FNAEGLER	
R2210625-010.06					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-001 / GESMERIAN	
R2210625-010.07					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-001 / GESMERIAN	

Client: Anchor QEA, LLC **Service Request:** R2210625

Project: John Street SC/E.10921.03.01

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2210625-010.08					
		11/4/2022	0907	SMO / GESMERIAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-010.09					
	8082A				
		11/4/2022	0907	SMO / GESMERIAN	
		11/4/2022	0912	R-002 / GESMERIAN	
R2210625-011.01					
	6010C,6010C				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0913	R-002 / GESMERIAN	
		11/4/2022	0927	R-002 / GESMERIAN	
		11/10/2022	1628	In Lab / CDISTEFANO	
		11/10/2022	1823	R-A01 / CDISTEFANO	
R2210625-011.02					
	7470A				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0913	R-002 / GESMERIAN	
		11/4/2022	0927	R-002 / GESMERIAN	
		11/10/2022	1454	In Lab / CWOODS	
R2210625-012.01					
	8260C				
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-001 / GESMERIAN	
		11/14/2022	1037	In Lab / FNAEGLER	
		11/14/2022	1041	R-001-S08 / FNAEGLER	
		11/14/2022	1623	In Lab / FNAEGLER	
		11/14/2022	1625	R-001-S08 / FNAEGLER	
R2210625-012.02					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-001 / GESMERIAN	
R2210625-012.03					
		11/3/2022	1423	SMO / BKALKMAN	
		11/4/2022	0912	R-001 / GESMERIAN	
R2210625-013.01					
	6010C,6010C				
		11/4/2022	0924	SMO / GESMERIAN	

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Internal Chain of Custody Report

Client: Anchor QEA, LLC **Service Request:** R2210625
Project: John Street SC/E.10921.03.01

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	6010C,6010C				
		11/4/2022	0928	R-002 / GESMERIAN	
		11/9/2022	1212	In Lab / CDISTEFANO	
		11/9/2022	1530	R-002 / CDISTEFANO	
		11/10/2022	1055	In Lab / CWOODS	
		11/10/2022	1216	R-002 / CWOODS	
R2210625-013.02					
	7471B				
		11/4/2022	0924	SMO / GESMERIAN	
		11/4/2022	0928	R-002 / GESMERIAN	
R2210625-013.03					
	8082A,ALS SOP,8270D,8082A				
		11/4/2022	0924	SMO / GESMERIAN	
		11/4/2022	0928	R-002 / GESMERIAN	
		11/8/2022	0902	In Lab / AFELSER	
		11/22/2022	1436	In Lab / AFELSER	
		11/23/2022	1215	R-002 / AFELSER	
R2210625-013.04					
	8260C				
		11/4/2022	0924	SMO / GESMERIAN	
		11/4/2022	0928	F-09 / GESMERIAN	
		11/7/2022	1540	In Lab / FNAEGLER	
		11/7/2022	1542	F-09 / FNAEGLER	
R2210625-013.05					
		11/4/2022	0927	SMO / GESMERIAN	
		11/4/2022	0928	F-09 / GESMERIAN	
R2210625-013.06					
		11/4/2022	0927	SMO / GESMERIAN	
		11/4/2022	0928	F-09 / GESMERIAN	

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
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Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Anchor QEA, LLC **Service Request:** R2210625
Project: John Street SC/E.10921.03.01

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
ALS SOP	Soil	Total Solids

Client: Anchor QEA, LLC **Service Request:** R2210625
Project: John Street SC/E.10921.03.01

Sample Name: JSSC-TMW-01-20221101 **Date Collected:** 11/1/22
Lab Code: R2210625-002 **Date Received:** 11/3/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	NMANSEN
7470A	CKUTZER	CWOODS
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Sample Name: JSSC-TMW-01-20221101-DISS **Date Collected:** 11/1/22
Lab Code: R2210625-003 **Date Received:** 11/3/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	NMANSEN
7470A	CKUTZER	CWOODS

Sample Name: JSSC-TMW-01-DUP-20221101 **Date Collected:** 11/1/22
Lab Code: R2210625-004 **Date Received:** 11/3/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	NMANSEN
7470A	CKUTZER	CWOODS
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Sample Name: JSSC-TMW-01-DUP-20221101-DISS **Date Collected:** 11/1/22
Lab Code: R2210625-005 **Date Received:** 11/3/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	NMANSEN

Client: Anchor QEA, LLC **Service Request:** R2210625
Project: John Street SC/E.10921.03.01

Sample Name: JSSC-TMW-01-DUP-20221101-DISS **Date Collected:** 11/1/22
Lab Code: R2210625-005 **Date Received:** 11/3/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
7470A	CKUTZER	CWOODS

Sample Name: JSSC-MW-07-20221102 **Date Collected:** 11/2/22
Lab Code: R2210625-006 **Date Received:** 11/3/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	NMANSEN
7470A	CKUTZER	CWOODS
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Sample Name: JSSC-MW-07-20221102-DISS **Date Collected:** 11/2/22
Lab Code: R2210625-007 **Date Received:** 11/3/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	NMANSEN
7470A	CKUTZER	CWOODS

Sample Name: JSSC-HW-10-20221102 **Date Collected:** 11/2/22
Lab Code: R2210625-008 **Date Received:** 11/3/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	NMANSEN
7470A	CKUTZER	CWOODS
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Client: Anchor QEA, LLC **Service Request:** R2210625
Project: John Street SC/E.10921.03.01

Sample Name: JSSC-HW-10-20221102-DISS **Date Collected:** 11/2/22
Lab Code: R2210625-009 **Date Received:** 11/3/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	NMANSEN
7470A	CKUTZER	CWOODS

Sample Name: JSSC-EB-110222 **Date Collected:** 11/2/22
Lab Code: R2210625-010 **Date Received:** 11/3/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	NMANSEN
7470A	CKUTZER	CWOODS
8082A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES

Sample Name: JSSC-EB-110222-DISS **Date Collected:** 11/2/22
Lab Code: R2210625-011 **Date Received:** 11/3/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	NMANSEN
7470A	CKUTZER	CWOODS

Sample Name: JSSC-TB-110222 **Date Collected:** 11/2/22
Lab Code: R2210625-012 **Date Received:** 11/3/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01		

Sample Name:	JSSC-TMW-01-16-17-20221101	**Date Collected:**	11/1/22
Lab Code:	R2210625-013	**Date Received:**	11/3/22
Sample Matrix:	Soil		

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	NMANSEN
7471B	CWOODS	CWOODS
8082A	JVANHEYNINGEN	BALLGEIER
8260C		FNAEGLER
8270D	JVANHEYNINGEN	AMOSES
ALS SOP		KAWONG

Sample Name:	JSSC-TMW-01-16-17-20221101	**Date Collected:**	11/1/22
Lab Code:	R2210625-013.R01	**Date Received:**	11/3/22
Sample Matrix:	Soil		

Analysis Method	Extracted/Digested By	Analyzed By
8082A	JVANHEYNINGEN	AFELSER

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/01/22 13:20
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-TMW-01-20221101	**Units:**	ug/L
Lab Code:	R2210625-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	5.0	0.20	1	11/15/22 02:07	
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	11/15/22 02:07	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	11/15/22 02:07	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	11/15/22 02:07	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	11/15/22 02:07	
1,1-Dichloroethene (1,1-DCE)	0.20 U	5.0	0.20	1	11/15/22 02:07	
1,1-Dichloropropene	0.20 U	5.0	0.20	1	11/15/22 02:07	
1,2,3-Trichlorobenzene	0.25 U	5.0	0.25	1	11/15/22 02:07	
1,2,3-Trichloropropane	0.26 U	5.0	0.26	1	11/15/22 02:07	
1,2,4-Trichlorobenzene	0.34 U	5.0	0.34	1	11/15/22 02:07	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	11/15/22 02:07	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	11/15/22 02:07	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	11/15/22 02:07	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	11/15/22 02:07	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	11/15/22 02:07	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	11/15/22 02:07	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	11/15/22 02:07	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	11/15/22 02:07	
1,3-Dichloropropane	0.20 U	5.0	0.20	1	11/15/22 02:07	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	11/15/22 02:07	
1,4-Dioxane	13 U	100	13	1	11/15/22 02:07	
2,2-Dichloropropane	0.24 U	5.0	0.24	1	11/15/22 02:07	
2-Butanone (MEK)	0.78 U	10	0.78	1	11/15/22 02:07	
2-Chlorotoluene	0.20 U	5.0	0.20	1	11/15/22 02:07	
2-Hexanone	0.20 U	10	0.20	1	11/15/22 02:07	
4-Chlorotoluene	0.20 U	5.0	0.20	1	11/15/22 02:07	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	11/15/22 02:07	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	11/15/22 02:07	
Acetone	5.0 U	10	5.0	1	11/15/22 02:07	
Acrylonitrile	0.90 U	100	0.90	1	11/15/22 02:07	
Benzene	0.20 U	5.0	0.20	1	11/15/22 02:07	
Bromobenzene	0.20 U	5.0	0.20	1	11/15/22 02:07	
Bromochloromethane	0.20 U	5.0	0.20	1	11/15/22 02:07	
Bromodichloromethane	0.20 U	5.0	0.20	1	11/15/22 02:07	
Bromoform	0.25 U	5.0	0.25	1	11/15/22 02:07	
Bromomethane	0.70 U	5.0	0.70	1	11/15/22 02:07	
Carbon Disulfide	0.42 U	10	0.42	1	11/15/22 02:07	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	11/15/22 02:07	
Chlorobenzene	0.20 U	5.0	0.20	1	11/15/22 02:07	
Chloroethane	0.23 U	5.0	0.23	1	11/15/22 02:07	
Chloroform	0.24 U	5.0	0.24	1	11/15/22 02:07	
Chloromethane	0.28 U	5.0	0.28	1	11/15/22 02:07	
Dibromochloromethane	0.20 U	5.0	0.20	1	11/15/22 02:07	

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/01/22 13:20
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-TMW-01-20221101	**Units:**	ug/L
Lab Code:	R2210625-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.20 U	5.0	0.20	1	11/15/22 02:07	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	11/15/22 02:07	
Methylene Chloride	0.65 U	5.0	0.65	1	11/15/22 02:07	
Diethyl Ether	0.20 U	5.0	0.20	1	11/15/22 02:07	
Ethylbenzene	0.20 U	5.0	0.20	1	11/15/22 02:07	
Hexachlorobutadiene	0.33 U	5.0	0.33	1	11/15/22 02:07	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	11/15/22 02:07	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	11/15/22 02:07	
Naphthalene	0.55 U	5.0	0.55	1	11/15/22 02:07	
Styrene	0.20 U	5.0	0.20	1	11/15/22 02:07	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	11/15/22 02:07	
Toluene	0.20 U	5.0	0.20	1	11/15/22 02:07	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	11/15/22 02:07	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	11/15/22 02:07	
Vinyl Acetate	1.1 U	10	1.1	1	11/15/22 02:07	
Vinyl Chloride	0.20 U	5.0	0.20	1	11/15/22 02:07	
Xylenes, Total	0.23 U	5.0	0.23	1	11/15/22 02:07	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	11/15/22 02:07	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	11/15/22 02:07	
m,p-Xylenes	0.20 U	5.0	0.20	1	11/15/22 02:07	
n-Butylbenzene	0.20 U	5.0	0.20	1	11/15/22 02:07	
n-Propylbenzene	0.20 U	5.0	0.20	1	11/15/22 02:07	
o-Xylene	0.20 U	5.0	0.20	1	11/15/22 02:07	
sec-Butylbenzene	0.20 U	5.0	0.20	1	11/15/22 02:07	
tert-Butylbenzene	0.20 U	5.0	0.20	1	11/15/22 02:07	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	11/15/22 02:07	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	11/15/22 02:07	
trans-1,4-Dichloro-2-butene	0.78 U	5.0	0.78	1	11/15/22 02:07	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	85 - 122	11/15/22 02:07	
Dibromofluoromethane	104	80 - 116	11/15/22 02:07	
Toluene-d8	100	87 - 121	11/15/22 02:07	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/01/22 13:20
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-TMW-01-DUP-20221101	**Units:**	ug/L
Lab Code:	R2210625-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	5.0	0.20	1	11/15/22 02:29	
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	11/15/22 02:29	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	11/15/22 02:29	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	11/15/22 02:29	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	11/15/22 02:29	
1,1-Dichloroethene (1,1-DCE)	0.20 U	5.0	0.20	1	11/15/22 02:29	
1,1-Dichloropropene	0.20 U	5.0	0.20	1	11/15/22 02:29	
1,2,3-Trichlorobenzene	0.25 U	5.0	0.25	1	11/15/22 02:29	
1,2,3-Trichloropropane	0.26 U	5.0	0.26	1	11/15/22 02:29	
1,2,4-Trichlorobenzene	0.34 U	5.0	0.34	1	11/15/22 02:29	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	11/15/22 02:29	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	11/15/22 02:29	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	11/15/22 02:29	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	11/15/22 02:29	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	11/15/22 02:29	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	11/15/22 02:29	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	11/15/22 02:29	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	11/15/22 02:29	
1,3-Dichloropropane	0.20 U	5.0	0.20	1	11/15/22 02:29	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	11/15/22 02:29	
1,4-Dioxane	13 U	100	13	1	11/15/22 02:29	
2,2-Dichloropropane	0.24 U	5.0	0.24	1	11/15/22 02:29	
2-Butanone (MEK)	0.78 U	10	0.78	1	11/15/22 02:29	
2-Chlorotoluene	0.20 U	5.0	0.20	1	11/15/22 02:29	
2-Hexanone	0.20 U	10	0.20	1	11/15/22 02:29	
4-Chlorotoluene	0.20 U	5.0	0.20	1	11/15/22 02:29	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	11/15/22 02:29	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	11/15/22 02:29	
Acetone	5.0 U	10	5.0	1	11/15/22 02:29	
Acrylonitrile	0.90 U	100	0.90	1	11/15/22 02:29	
Benzene	0.20 U	5.0	0.20	1	11/15/22 02:29	
Bromobenzene	0.20 U	5.0	0.20	1	11/15/22 02:29	
Bromochloromethane	0.20 U	5.0	0.20	1	11/15/22 02:29	
Bromodichloromethane	0.20 U	5.0	0.20	1	11/15/22 02:29	
Bromoform	0.25 U	5.0	0.25	1	11/15/22 02:29	
Bromomethane	0.70 U	5.0	0.70	1	11/15/22 02:29	
Carbon Disulfide	0.42 U	10	0.42	1	11/15/22 02:29	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	11/15/22 02:29	
Chlorobenzene	0.20 U	5.0	0.20	1	11/15/22 02:29	
Chloroethane	0.23 U	5.0	0.23	1	11/15/22 02:29	
Chloroform	0.24 U	5.0	0.24	1	11/15/22 02:29	
Chloromethane	0.28 U	5.0	0.28	1	11/15/22 02:29	
Dibromochloromethane	0.20 U	5.0	0.20	1	11/15/22 02:29	

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/01/22 13:20
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-TMW-01-DUP-20221101	**Units:**	ug/L
Lab Code:	R2210625-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.20 U	5.0	0.20	1	11/15/22 02:29	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	11/15/22 02:29	
Methylene Chloride	0.65 U	5.0	0.65	1	11/15/22 02:29	
Diethyl Ether	0.20 U	5.0	0.20	1	11/15/22 02:29	
Ethylbenzene	0.20 U	5.0	0.20	1	11/15/22 02:29	
Hexachlorobutadiene	0.33 U	5.0	0.33	1	11/15/22 02:29	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	11/15/22 02:29	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	11/15/22 02:29	
Naphthalene	0.55 U	5.0	0.55	1	11/15/22 02:29	
Styrene	0.20 U	5.0	0.20	1	11/15/22 02:29	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	11/15/22 02:29	
Toluene	0.20 U	5.0	0.20	1	11/15/22 02:29	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	11/15/22 02:29	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	11/15/22 02:29	
Vinyl Acetate	1.1 U	10	1.1	1	11/15/22 02:29	
Vinyl Chloride	0.20 U	5.0	0.20	1	11/15/22 02:29	
Xylenes, Total	0.23 U	5.0	0.23	1	11/15/22 02:29	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	11/15/22 02:29	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	11/15/22 02:29	
m,p-Xylenes	0.20 U	5.0	0.20	1	11/15/22 02:29	
n-Butylbenzene	0.20 U	5.0	0.20	1	11/15/22 02:29	
n-Propylbenzene	0.20 U	5.0	0.20	1	11/15/22 02:29	
o-Xylene	0.20 U	5.0	0.20	1	11/15/22 02:29	
sec-Butylbenzene	0.20 U	5.0	0.20	1	11/15/22 02:29	
tert-Butylbenzene	0.20 U	5.0	0.20	1	11/15/22 02:29	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	11/15/22 02:29	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	11/15/22 02:29	
trans-1,4-Dichloro-2-butene	0.78 U	5.0	0.78	1	11/15/22 02:29	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	11/15/22 02:29	
Dibromofluoromethane	101	80 - 116	11/15/22 02:29	
Toluene-d8	98	87 - 121	11/15/22 02:29	

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22 08:35
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-MW-07-20221102	**Units:**	ug/L
Lab Code:	R2210625-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	5.0	0.20	1	11/15/22 02:52	
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	11/15/22 02:52	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	11/15/22 02:52	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	11/15/22 02:52	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	11/15/22 02:52	
1,1-Dichloroethene (1,1-DCE)	0.20 U	5.0	0.20	1	11/15/22 02:52	
1,1-Dichloropropene	0.20 U	5.0	0.20	1	11/15/22 02:52	
1,2,3-Trichlorobenzene	0.25 U	5.0	0.25	1	11/15/22 02:52	
1,2,3-Trichloropropane	0.26 U	5.0	0.26	1	11/15/22 02:52	
1,2,4-Trichlorobenzene	0.34 U	5.0	0.34	1	11/15/22 02:52	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	11/15/22 02:52	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	11/15/22 02:52	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	11/15/22 02:52	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	11/15/22 02:52	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	11/15/22 02:52	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	11/15/22 02:52	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	11/15/22 02:52	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	11/15/22 02:52	
1,3-Dichloropropane	0.20 U	5.0	0.20	1	11/15/22 02:52	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	11/15/22 02:52	
1,4-Dioxane	13 U	100	13	1	11/15/22 02:52	
2,2-Dichloropropane	0.24 U	5.0	0.24	1	11/15/22 02:52	
2-Butanone (MEK)	0.78 U	10	0.78	1	11/15/22 02:52	
2-Chlorotoluene	0.20 U	5.0	0.20	1	11/15/22 02:52	
2-Hexanone	0.20 U	10	0.20	1	11/15/22 02:52	
4-Chlorotoluene	0.20 U	5.0	0.20	1	11/15/22 02:52	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	11/15/22 02:52	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	11/15/22 02:52	
Acetone	5.0 U	10	5.0	1	11/15/22 02:52	
Acrylonitrile	0.90 U	100	0.90	1	11/15/22 02:52	
Benzene	0.20 U	5.0	0.20	1	11/15/22 02:52	
Bromobenzene	0.20 U	5.0	0.20	1	11/15/22 02:52	
Bromochloromethane	0.20 U	5.0	0.20	1	11/15/22 02:52	
Bromodichloromethane	0.20 U	5.0	0.20	1	11/15/22 02:52	
Bromoform	0.25 U	5.0	0.25	1	11/15/22 02:52	
Bromomethane	0.70 U	5.0	0.70	1	11/15/22 02:52	
Carbon Disulfide	0.42 U	10	0.42	1	11/15/22 02:52	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	11/15/22 02:52	
Chlorobenzene	0.20 U	5.0	0.20	1	11/15/22 02:52	
Chloroethane	0.23 U	5.0	0.23	1	11/15/22 02:52	
Chloroform	**0.33 J**	5.0	0.24	1	11/15/22 02:52	
Chloromethane	0.28 U	5.0	0.28	1	11/15/22 02:52	
Dibromochloromethane	0.20 U	5.0	0.20	1	11/15/22 02:52	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22 08:35
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-MW-07-20221102	**Units:**	ug/L
Lab Code:	R2210625-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.20 U	5.0	0.20	1	11/15/22 02:52	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	11/15/22 02:52	
Methylene Chloride	**0.66 J**	5.0	0.65	1	11/15/22 02:52	
Diethyl Ether	0.20 U	5.0	0.20	1	11/15/22 02:52	
Ethylbenzene	0.20 U	5.0	0.20	1	11/15/22 02:52	
Hexachlorobutadiene	0.33 U	5.0	0.33	1	11/15/22 02:52	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	11/15/22 02:52	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	11/15/22 02:52	
Naphthalene	0.55 U	5.0	0.55	1	11/15/22 02:52	
Styrene	0.20 U	5.0	0.20	1	11/15/22 02:52	
Tetrachloroethene (PCE)	**1.4 J**	5.0	0.21	1	11/15/22 02:52	
Toluene	0.20 U	5.0	0.20	1	11/15/22 02:52	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	11/15/22 02:52	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	11/15/22 02:52	
Vinyl Acetate	1.1 U	10	1.1	1	11/15/22 02:52	
Vinyl Chloride	0.20 U	5.0	0.20	1	11/15/22 02:52	
Xylenes, Total	0.23 U	5.0	0.23	1	11/15/22 02:52	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	11/15/22 02:52	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	11/15/22 02:52	
m,p-Xylenes	0.20 U	5.0	0.20	1	11/15/22 02:52	
n-Butylbenzene	0.20 U	5.0	0.20	1	11/15/22 02:52	
n-Propylbenzene	0.20 U	5.0	0.20	1	11/15/22 02:52	
o-Xylene	0.20 U	5.0	0.20	1	11/15/22 02:52	
sec-Butylbenzene	0.20 U	5.0	0.20	1	11/15/22 02:52	
tert-Butylbenzene	0.20 U	5.0	0.20	1	11/15/22 02:52	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	11/15/22 02:52	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	11/15/22 02:52	
trans-1,4-Dichloro-2-butene	0.78 U	5.0	0.78	1	11/15/22 02:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	11/15/22 02:52	
Dibromofluoromethane	104	80 - 116	11/15/22 02:52	
Toluene-d8	101	87 - 121	11/15/22 02:52	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22 09:40
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-HW-10-20221102	**Units:**	ug/L
Lab Code:	R2210625-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	5.0	0.20	1	11/15/22 03:14	
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	11/15/22 03:14	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	11/15/22 03:14	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	11/15/22 03:14	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	11/15/22 03:14	
1,1-Dichloroethene (1,1-DCE)	0.20 U	5.0	0.20	1	11/15/22 03:14	
1,1-Dichloropropene	0.20 U	5.0	0.20	1	11/15/22 03:14	
1,2,3-Trichlorobenzene	0.25 U	5.0	0.25	1	11/15/22 03:14	
1,2,3-Trichloropropane	0.26 U	5.0	0.26	1	11/15/22 03:14	
1,2,4-Trichlorobenzene	0.34 U	5.0	0.34	1	11/15/22 03:14	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	11/15/22 03:14	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	11/15/22 03:14	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	11/15/22 03:14	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	11/15/22 03:14	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	11/15/22 03:14	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	11/15/22 03:14	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	11/15/22 03:14	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	11/15/22 03:14	
1,3-Dichloropropane	0.20 U	5.0	0.20	1	11/15/22 03:14	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	11/15/22 03:14	
1,4-Dioxane	13 U	100	13	1	11/15/22 03:14	
2,2-Dichloropropane	0.24 U	5.0	0.24	1	11/15/22 03:14	
2-Butanone (MEK)	0.78 U	10	0.78	1	11/15/22 03:14	
2-Chlorotoluene	0.20 U	5.0	0.20	1	11/15/22 03:14	
2-Hexanone	0.20 U	10	0.20	1	11/15/22 03:14	
4-Chlorotoluene	0.20 U	5.0	0.20	1	11/15/22 03:14	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	11/15/22 03:14	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	11/15/22 03:14	
Acetone	5.0 U	10	5.0	1	11/15/22 03:14	
Acrylonitrile	0.90 U	100	0.90	1	11/15/22 03:14	
Benzene	0.20 U	5.0	0.20	1	11/15/22 03:14	
Bromobenzene	0.20 U	5.0	0.20	1	11/15/22 03:14	
Bromochloromethane	0.20 U	5.0	0.20	1	11/15/22 03:14	
Bromodichloromethane	0.20 U	5.0	0.20	1	11/15/22 03:14	
Bromoform	0.25 U	5.0	0.25	1	11/15/22 03:14	
Bromomethane	0.70 U	5.0	0.70	1	11/15/22 03:14	
Carbon Disulfide	0.42 U	10	0.42	1	11/15/22 03:14	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	11/15/22 03:14	
Chlorobenzene	0.20 U	5.0	0.20	1	11/15/22 03:14	
Chloroethane	0.23 U	5.0	0.23	1	11/15/22 03:14	
Chloroform	0.24 U	5.0	0.24	1	11/15/22 03:14	
Chloromethane	0.28 U	5.0	0.28	1	11/15/22 03:14	
Dibromochloromethane	0.20 U	5.0	0.20	1	11/15/22 03:14	

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22 09:40
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-HW-10-20221102	**Units:**	ug/L
Lab Code:	R2210625-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.20 U	5.0	0.20	1	11/15/22 03:14	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	11/15/22 03:14	
Methylene Chloride	**0.69 J**	5.0	0.65	1	11/15/22 03:14	
Diethyl Ether	0.20 U	5.0	0.20	1	11/15/22 03:14	
Ethylbenzene	0.20 U	5.0	0.20	1	11/15/22 03:14	
Hexachlorobutadiene	0.33 U	5.0	0.33	1	11/15/22 03:14	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	11/15/22 03:14	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	11/15/22 03:14	
Naphthalene	0.55 U	5.0	0.55	1	11/15/22 03:14	
Styrene	0.20 U	5.0	0.20	1	11/15/22 03:14	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	11/15/22 03:14	
Toluene	0.20 U	5.0	0.20	1	11/15/22 03:14	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	11/15/22 03:14	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	11/15/22 03:14	
Vinyl Acetate	1.1 U	10	1.1	1	11/15/22 03:14	
Vinyl Chloride	0.20 U	5.0	0.20	1	11/15/22 03:14	
Xylenes, Total	0.23 U	5.0	0.23	1	11/15/22 03:14	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	11/15/22 03:14	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	11/15/22 03:14	
m,p-Xylenes	0.20 U	5.0	0.20	1	11/15/22 03:14	
n-Butylbenzene	0.20 U	5.0	0.20	1	11/15/22 03:14	
n-Propylbenzene	0.20 U	5.0	0.20	1	11/15/22 03:14	
o-Xylene	0.20 U	5.0	0.20	1	11/15/22 03:14	
sec-Butylbenzene	0.20 U	5.0	0.20	1	11/15/22 03:14	
tert-Butylbenzene	0.20 U	5.0	0.20	1	11/15/22 03:14	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	11/15/22 03:14	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	11/15/22 03:14	
trans-1,4-Dichloro-2-butene	0.78 U	5.0	0.78	1	11/15/22 03:14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	85 - 122	11/15/22 03:14	
Dibromofluoromethane	105	80 - 116	11/15/22 03:14	
Toluene-d8	101	87 - 121	11/15/22 03:14	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22 10:30
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-EB-110222	**Units:**	ug/L
Lab Code:	R2210625-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	5.0	0.20	1	11/15/22 03:36	
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	11/15/22 03:36	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	11/15/22 03:36	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	11/15/22 03:36	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	11/15/22 03:36	
1,1-Dichloroethene (1,1-DCE)	0.20 U	5.0	0.20	1	11/15/22 03:36	
1,1-Dichloropropene	0.20 U	5.0	0.20	1	11/15/22 03:36	
1,2,3-Trichlorobenzene	0.25 U	5.0	0.25	1	11/15/22 03:36	
1,2,3-Trichloropropane	0.26 U	5.0	0.26	1	11/15/22 03:36	
1,2,4-Trichlorobenzene	0.34 U	5.0	0.34	1	11/15/22 03:36	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	11/15/22 03:36	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	11/15/22 03:36	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	11/15/22 03:36	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	11/15/22 03:36	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	11/15/22 03:36	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	11/15/22 03:36	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	11/15/22 03:36	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	11/15/22 03:36	
1,3-Dichloropropane	0.20 U	5.0	0.20	1	11/15/22 03:36	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	11/15/22 03:36	
1,4-Dioxane	13 U	100	13	1	11/15/22 03:36	
2,2-Dichloropropane	0.24 U	5.0	0.24	1	11/15/22 03:36	
2-Butanone (MEK)	0.78 U	10	0.78	1	11/15/22 03:36	
2-Chlorotoluene	0.20 U	5.0	0.20	1	11/15/22 03:36	
2-Hexanone	0.20 U	10	0.20	1	11/15/22 03:36	
4-Chlorotoluene	0.20 U	5.0	0.20	1	11/15/22 03:36	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	11/15/22 03:36	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	11/15/22 03:36	
Acetone	5.0 U	10	5.0	1	11/15/22 03:36	
Acrylonitrile	0.90 U	100	0.90	1	11/15/22 03:36	
Benzene	0.20 U	5.0	0.20	1	11/15/22 03:36	
Bromobenzene	0.20 U	5.0	0.20	1	11/15/22 03:36	
Bromochloromethane	0.20 U	5.0	0.20	1	11/15/22 03:36	
Bromodichloromethane	0.20 U	5.0	0.20	1	11/15/22 03:36	
Bromoform	0.25 U	5.0	0.25	1	11/15/22 03:36	
Bromomethane	0.70 U	5.0	0.70	1	11/15/22 03:36	
Carbon Disulfide	0.42 U	10	0.42	1	11/15/22 03:36	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	11/15/22 03:36	
Chlorobenzene	0.20 U	5.0	0.20	1	11/15/22 03:36	
Chloroethane	0.23 U	5.0	0.23	1	11/15/22 03:36	
Chloroform	0.24 U	5.0	0.24	1	11/15/22 03:36	
Chloromethane	0.28 U	5.0	0.28	1	11/15/22 03:36	
Dibromochloromethane	0.20 U	5.0	0.20	1	11/15/22 03:36	

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22 10:30
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-EB-110222	**Units:**	ug/L
Lab Code:	R2210625-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.20 U	5.0	0.20	1	11/15/22 03:36	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	11/15/22 03:36	
Methylene Chloride	**0.90 J**	5.0	0.65	1	11/15/22 03:36	
Diethyl Ether	0.20 U	5.0	0.20	1	11/15/22 03:36	
Ethylbenzene	0.20 U	5.0	0.20	1	11/15/22 03:36	
Hexachlorobutadiene	0.33 U	5.0	0.33	1	11/15/22 03:36	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	11/15/22 03:36	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	11/15/22 03:36	
Naphthalene	0.55 U	5.0	0.55	1	11/15/22 03:36	
Styrene	0.20 U	5.0	0.20	1	11/15/22 03:36	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	11/15/22 03:36	
Toluene	0.20 U	5.0	0.20	1	11/15/22 03:36	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	11/15/22 03:36	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	11/15/22 03:36	
Vinyl Acetate	1.1 U	10	1.1	1	11/15/22 03:36	
Vinyl Chloride	0.20 U	5.0	0.20	1	11/15/22 03:36	
Xylenes, Total	0.23 U	5.0	0.23	1	11/15/22 03:36	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	11/15/22 03:36	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	11/15/22 03:36	
m,p-Xylenes	0.20 U	5.0	0.20	1	11/15/22 03:36	
n-Butylbenzene	0.20 U	5.0	0.20	1	11/15/22 03:36	
n-Propylbenzene	0.20 U	5.0	0.20	1	11/15/22 03:36	
o-Xylene	0.20 U	5.0	0.20	1	11/15/22 03:36	
sec-Butylbenzene	0.20 U	5.0	0.20	1	11/15/22 03:36	
tert-Butylbenzene	0.20 U	5.0	0.20	1	11/15/22 03:36	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	11/15/22 03:36	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	11/15/22 03:36	
trans-1,4-Dichloro-2-butene	0.78 U	5.0	0.78	1	11/15/22 03:36	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	107	85 - 122	11/15/22 03:36	
Dibromofluoromethane	105	80 - 116	11/15/22 03:36	
Toluene-d8	101	87 - 121	11/15/22 03:36	

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-TB-110222	**Units:**	ug/L
Lab Code:	R2210625-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	5.0	0.20	1	11/15/22 01:45	
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	11/15/22 01:45	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	11/15/22 01:45	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	11/15/22 01:45	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	11/15/22 01:45	
1,1-Dichloroethene (1,1-DCE)	0.20 U	5.0	0.20	1	11/15/22 01:45	
1,1-Dichloropropene	0.20 U	5.0	0.20	1	11/15/22 01:45	
1,2,3-Trichlorobenzene	0.25 U	5.0	0.25	1	11/15/22 01:45	
1,2,3-Trichloropropane	0.26 U	5.0	0.26	1	11/15/22 01:45	
1,2,4-Trichlorobenzene	0.34 U	5.0	0.34	1	11/15/22 01:45	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	11/15/22 01:45	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	11/15/22 01:45	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	11/15/22 01:45	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	11/15/22 01:45	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	11/15/22 01:45	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	11/15/22 01:45	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	11/15/22 01:45	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	11/15/22 01:45	
1,3-Dichloropropane	0.20 U	5.0	0.20	1	11/15/22 01:45	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	11/15/22 01:45	
1,4-Dioxane	13 U	100	13	1	11/15/22 01:45	
2,2-Dichloropropane	0.24 U	5.0	0.24	1	11/15/22 01:45	
2-Butanone (MEK)	0.78 U	10	0.78	1	11/15/22 01:45	
2-Chlorotoluene	0.20 U	5.0	0.20	1	11/15/22 01:45	
2-Hexanone	0.20 U	10	0.20	1	11/15/22 01:45	
4-Chlorotoluene	0.20 U	5.0	0.20	1	11/15/22 01:45	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	11/15/22 01:45	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	11/15/22 01:45	
Acetone	5.0 U	10	5.0	1	11/15/22 01:45	
Acrylonitrile	0.90 U	100	0.90	1	11/15/22 01:45	
Benzene	0.20 U	5.0	0.20	1	11/15/22 01:45	
Bromobenzene	0.20 U	5.0	0.20	1	11/15/22 01:45	
Bromochloromethane	0.20 U	5.0	0.20	1	11/15/22 01:45	
Bromodichloromethane	0.20 U	5.0	0.20	1	11/15/22 01:45	
Bromoform	0.25 U	5.0	0.25	1	11/15/22 01:45	
Bromomethane	0.70 U	5.0	0.70	1	11/15/22 01:45	
Carbon Disulfide	0.42 U	10	0.42	1	11/15/22 01:45	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	11/15/22 01:45	
Chlorobenzene	0.20 U	5.0	0.20	1	11/15/22 01:45	
Chloroethane	0.23 U	5.0	0.23	1	11/15/22 01:45	
Chloroform	0.24 U	5.0	0.24	1	11/15/22 01:45	
Chloromethane	0.28 U	5.0	0.28	1	11/15/22 01:45	
Dibromochloromethane	0.20 U	5.0	0.20	1	11/15/22 01:45	

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-TB-110222	**Units:**	ug/L
Lab Code:	R2210625-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.20 U	5.0	0.20	1	11/15/22 01:45	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	11/15/22 01:45	
Methylene Chloride	0.65 U	5.0	0.65	1	11/15/22 01:45	
Diethyl Ether	0.20 U	5.0	0.20	1	11/15/22 01:45	
Ethylbenzene	0.20 U	5.0	0.20	1	11/15/22 01:45	
Hexachlorobutadiene	0.33 U	5.0	0.33	1	11/15/22 01:45	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	11/15/22 01:45	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	11/15/22 01:45	
Naphthalene	0.55 U	5.0	0.55	1	11/15/22 01:45	
Styrene	0.20 U	5.0	0.20	1	11/15/22 01:45	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	11/15/22 01:45	
Toluene	0.20 U	5.0	0.20	1	11/15/22 01:45	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	11/15/22 01:45	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	11/15/22 01:45	
Vinyl Acetate	1.1 U	10	1.1	1	11/15/22 01:45	
Vinyl Chloride	0.20 U	5.0	0.20	1	11/15/22 01:45	
Xylenes, Total	0.23 U	5.0	0.23	1	11/15/22 01:45	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	11/15/22 01:45	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	11/15/22 01:45	
m,p-Xylenes	0.20 U	5.0	0.20	1	11/15/22 01:45	
n-Butylbenzene	0.20 U	5.0	0.20	1	11/15/22 01:45	
n-Propylbenzene	0.20 U	5.0	0.20	1	11/15/22 01:45	
o-Xylene	0.20 U	5.0	0.20	1	11/15/22 01:45	
sec-Butylbenzene	0.20 U	5.0	0.20	1	11/15/22 01:45	
tert-Butylbenzene	0.20 U	5.0	0.20	1	11/15/22 01:45	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	11/15/22 01:45	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	11/15/22 01:45	
trans-1,4-Dichloro-2-butene	0.78 U	5.0	0.78	1	11/15/22 01:45	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	11/15/22 01:45	
Dibromofluoromethane	104	80 - 116	11/15/22 01:45	
Toluene-d8	100	87 - 121	11/15/22 01:45	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/01/22 11:10
Sample Matrix:	Soil	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-TMW-01-16-17-20221101	**Units:**	ug/Kg
Lab Code:	R2210625-013	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	4.7	0.19	.9	11/07/22 19:38	
1,1,1-Trichloroethane (TCA)	0.19 U	4.7	0.19	.9	11/07/22 19:38	
1,1,2,2-Tetrachloroethane	0.42 U	4.7	0.42	.9	11/07/22 19:38	
1,1,2-Trichloroethane	0.19 U	4.7	0.19	.9	11/07/22 19:38	
1,1-Dichloroethane (1,1-DCA)	0.19 U	4.7	0.19	.9	11/07/22 19:38	
1,1-Dichloroethene (1,1-DCE)	0.28 U	4.7	0.28	.9	11/07/22 19:38	
1,1-Dichloropropene	0.19 U	4.7	0.19	.9	11/07/22 19:38	
1,2,3-Trichlorobenzene	0.50 U	4.7	0.50	.9	11/07/22 19:38	
1,2,3-Trichloropropane	0.19 U	4.7	0.19	.9	11/07/22 19:38	
1,2,4-Trichlorobenzene	0.40 U	4.7	0.40	.9	11/07/22 19:38	
1,2,4-Trimethylbenzene	0.19 U	4.7	0.19	.9	11/07/22 19:38	
1,2-Dibromo-3-chloropropane (DBCP)	0.71 U	4.7	0.71	.9	11/07/22 19:38	
1,2-Dibromoethane	0.19 U	4.7	0.19	.9	11/07/22 19:38	
1,2-Dichlorobenzene	0.19 U	4.7	0.19	.9	11/07/22 19:38	
1,2-Dichloroethane	0.19 U	4.7	0.19	.9	11/07/22 19:38	
1,2-Dichloropropane	0.19 U	4.7	0.19	.9	11/07/22 19:38	
1,3,5-Trimethylbenzene	0.19 U	4.7	0.19	.9	11/07/22 19:38	
1,3-Dichlorobenzene	0.19 U	4.7	0.19	.9	11/07/22 19:38	
1,3-Dichloropropane	0.19 U	4.7	0.19	.9	11/07/22 19:38	
1,4-Dichlorobenzene	0.21 U	4.7	0.21	.9	11/07/22 19:38	
1,4-Dioxane	19 U	94	19	.9	11/07/22 19:38	
2,2-Dichloropropane	0.19 U	4.7	0.19	.9	11/07/22 19:38	
2-Butanone (MEK)	1.9 U	4.7	1.9	.9	11/07/22 19:38	
2-Chlorotoluene	0.19 U	4.7	0.19	.9	11/07/22 19:38	
2-Hexanone	0.34 U	4.7	0.34	.9	11/07/22 19:38	
4-Chlorotoluene	0.19 U	4.7	0.19	.9	11/07/22 19:38	
4-Isopropyltoluene	0.19 U	4.7	0.19	.9	11/07/22 19:38	
4-Methyl-2-pentanone	0.22 U	4.7	0.22	.9	11/07/22 19:38	
Acetone	15 U	24	15	.9	11/07/22 19:38	
Acrylonitrile	0.84 U	24	0.84	.9	11/07/22 19:38	
Benzene	0.19 U	4.7	0.19	.9	11/07/22 19:38	
Bromobenzene	0.19 U	4.7	0.19	.9	11/07/22 19:38	
Bromochloromethane	0.19 U	4.7	0.19	.9	11/07/22 19:38	
Bromodichloromethane	0.19 U	4.7	0.19	.9	11/07/22 19:38	
Bromoform	0.48 U	4.7	0.48	.9	11/07/22 19:38	
Bromomethane	2.0 U	4.7	2.0	.9	11/07/22 19:38	
Carbon Disulfide	0.28 U	4.7	0.28	.9	11/07/22 19:38	
Carbon Tetrachloride	0.25 U	4.7	0.25	.9	11/07/22 19:38	
Chlorobenzene	0.19 U	4.7	0.19	.9	11/07/22 19:38	
Chloroethane	0.39 U	4.7	0.39	.9	11/07/22 19:38	
Chloroform	0.19 U	4.7	0.19	.9	11/07/22 19:38	
Chloromethane	1.4 U	4.7	1.4	.9	11/07/22 19:38	
Dibromochloromethane	0.19 U	4.7	0.19	.9	11/07/22 19:38	

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/01/22 11:10
Sample Matrix:	Soil	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-TMW-01-16-17-20221101	**Units:**	ug/Kg
Lab Code:	R2210625-013	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.19 U	4.7	0.19	.9	11/07/22 19:38	
Dichlorodifluoromethane (CFC 12)	0.32 U	4.7	0.32	.9	11/07/22 19:38	
Methylene Chloride	2.7 U	4.7	2.7	.9	11/07/22 19:38	
Diethyl Ether	0.24 U	4.7	0.24	.9	11/07/22 19:38	
Ethylbenzene	0.95 U	4.7	0.95	.9	11/07/22 19:38	
Hexachlorobutadiene	0.45 U	4.7	0.45	.9	11/07/22 19:38	
Isopropylbenzene (Cumene)	0.19 U	4.7	0.19	.9	11/07/22 19:38	
Methyl tert-Butyl Ether	0.19 U	4.7	0.19	.9	11/07/22 19:38	
Naphthalene	0.94 U	4.7	0.94	.9	11/07/22 19:38	
Styrene	0.95 U	4.7	0.95	.9	11/07/22 19:38	
Tetrachloroethene (PCE)	0.22 U	4.7	0.22	.9	11/07/22 19:38	
Toluene	1.9 U	4.7	1.9	.9	11/07/22 19:38	
Trichloroethene (TCE)	0.21 U	4.7	0.21	.9	11/07/22 19:38	
Trichlorofluoromethane (CFC 11)	0.25 U	4.7	0.25	.9	11/07/22 19:38	
Vinyl Acetate	0.74 U	9.4	0.74	.9	11/07/22 19:38	
Vinyl Chloride	0.44 U	4.7	0.44	.9	11/07/22 19:38	
Xylenes, Total	1.9 U	14	1.9	.9	11/07/22 19:38	
cis-1,2-Dichloroethene	0.19 U	4.7	0.19	.9	11/07/22 19:38	
cis-1,3-Dichloropropene	0.19 U	4.7	0.19	.9	11/07/22 19:38	
m,p-Xylenes	1.9 U	9.4	1.9	.9	11/07/22 19:38	
n-Butylbenzene	0.19 U	4.7	0.19	.9	11/07/22 19:38	
n-Propylbenzene	0.19 U	4.7	0.19	.9	11/07/22 19:38	
o-Xylene	0.95 U	4.7	0.95	.9	11/07/22 19:38	
sec-Butylbenzene	0.19 U	4.7	0.19	.9	11/07/22 19:38	
tert-Butylbenzene	0.19 U	4.7	0.19	.9	11/07/22 19:38	
trans-1,2-Dichloroethene	0.19 U	4.7	0.19	.9	11/07/22 19:38	
trans-1,3-Dichloropropene	0.19 U	4.7	0.19	.9	11/07/22 19:38	
trans-1,4-Dichloro-2-butene	0.21 U	4.7	0.21	.9	11/07/22 19:38	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	31 - 154	11/07/22 19:38	
Dibromofluoromethane	94	63 - 138	11/07/22 19:38	
Toluene-d8	95	66 - 138	11/07/22 19:38	

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
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www.alsglobal.com

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/01/22 13:20
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-TMW-01-20221101	**Units:**	ug/L
Lab Code:	R2210625-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	1.2 U	8.8	1.2	1	11/10/22 21:29	11/8/22	
2,3,4,6-Tetrachlorophenol	1.2 U	8.8	1.2	1	11/10/22 21:29	11/8/22	
2,4,5-Trichlorophenol	1.1 U	8.8	1.1	1	11/10/22 21:29	11/8/22	
2,4,6-Trichlorophenol	1.4 U	8.8	1.4	1	11/10/22 21:29	11/8/22	
2,4-Dichlorophenol	1.3 U	8.8	1.3	1	11/10/22 21:29	11/8/22	
2,4-Dimethylphenol	1.4 U	8.8	1.4	1	11/10/22 21:29	11/8/22	
2,4-Dinitrophenol	20 U	44	20	1	11/10/22 21:29	11/8/22	
2,4-Dinitrotoluene	2.4 U	8.8	2.4	1	11/10/22 21:29	11/8/22	
2,6-Dinitrotoluene	1.4 U	8.8	1.4	1	11/10/22 21:29	11/8/22	
2-Chloronaphthalene	1.4 U	8.8	1.4	1	11/10/22 21:29	11/8/22	
2-Chlorophenol	1.1 U	8.8	1.1	1	11/10/22 21:29	11/8/22	
2-Methylnaphthalene	1.3 U	8.8	1.3	1	11/10/22 21:29	11/8/22	
2-Methylphenol	1.0 U	8.8	1.0	1	11/10/22 21:29	11/8/22	
2-Nitroaniline	1.4 U	8.8	1.4	1	11/10/22 21:29	11/8/22	
2-Nitrophenol	1.5 U	8.8	1.5	1	11/10/22 21:29	11/8/22	
3,3'-Dichlorobenzidine	1.2 U	8.8	1.2	1	11/10/22 21:29	11/8/22	
3- and 4-Methylphenol Coelution	1.2 U	8.8	1.2	1	11/10/22 21:29	11/8/22	
3-Nitroaniline	1.1 U	8.8	1.1	1	11/10/22 21:29	11/8/22	
4,6-Dinitro-2-methylphenol	8.7 U	44	8.7	1	11/10/22 21:29	11/8/22	
4-Bromophenyl Phenyl Ether	1.7 U	8.8	1.7	1	11/10/22 21:29	11/8/22	
4-Chloro-3-methylphenol	1.1 U	8.8	1.1	1	11/10/22 21:29	11/8/22	
4-Chloroaniline	1.0 U	8.8	1.0	1	11/10/22 21:29	11/8/22	
4-Chlorophenyl Phenyl Ether	1.5 U	8.8	1.5	1	11/10/22 21:29	11/8/22	
4-Nitroaniline	1.4 U	8.8	1.4	1	11/10/22 21:29	11/8/22	
4-Nitrophenol	6.4 U	44	6.4	1	11/10/22 21:29	11/8/22	
Acenaphthene	1.4 U	8.8	1.4	1	11/10/22 21:29	11/8/22	
Acenaphthylene	1.4 U	8.8	1.4	1	11/10/22 21:29	11/8/22	
Acetophenone	**1.8 J**	8.8	1.3	1	11/10/22 21:29	11/8/22	
Anthracene	1.3 U	8.8	1.3	1	11/10/22 21:29	11/8/22	
Atrazine	2.1 U	8.8	2.1	1	11/10/22 21:29	11/8/22	
Benz(a)anthracene	1.6 U	8.8	1.6	1	11/10/22 21:29	11/8/22	
Benzaldehyde	1.0 U	8.8	1.0	1	11/10/22 21:29	11/8/22	
Benzo(a)pyrene	1.2 U	8.8	1.2	1	11/10/22 21:29	11/8/22	
Benzo(b)fluoranthene	1.2 U	8.8	1.2	1	11/10/22 21:29	11/8/22	
Benzo(g,h,i)perylene	1.0 U	8.8	1.0	1	11/10/22 21:29	11/8/22	
Benzo(k)fluoranthene	1.3 U	8.8	1.3	1	11/10/22 21:29	11/8/22	
Biphenyl	1.4 U	8.8	1.4	1	11/10/22 21:29	11/8/22	
2,2'-Oxybis(1-chloropropane)	1.4 U	8.8	1.4	1	11/10/22 21:29	11/8/22	
Bis(2-chloroethoxy)methane	1.9 U	8.8	1.9	1	11/10/22 21:29	11/8/22	
Bis(2-chloroethyl) Ether	1.3 U	8.8	1.3	1	11/10/22 21:29	11/8/22	
Bis(2-ethylhexyl) Phthalate	7.8 U	8.8	7.8	1	11/10/22 21:29	11/8/22	
Butyl Benzyl Phthalate	1.4 U	8.8	1.4	1	11/10/22 21:29	11/8/22	
Caprolactam	1.0 U	8.8	1.0	1	11/10/22 21:29	11/8/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/01/22 13:20
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-TMW-01-20221101	**Units:**	ug/L
Lab Code:	R2210625-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	1.6 U	8.8	1.6	1	11/10/22 21:29	11/8/22	
Chrysene	1.2 U	8.8	1.2	1	11/10/22 21:29	11/8/22	
Di-n-butyl Phthalate	1.7 U	8.8	1.7	1	11/10/22 21:29	11/8/22	
Di-n-octyl Phthalate	3.3 U	8.8	3.3	1	11/10/22 21:29	11/8/22	
Dibenz(a,h)anthracene	1.1 U	8.8	1.1	1	11/10/22 21:29	11/8/22	
Dibenzofuran	1.4 U	8.8	1.4	1	11/10/22 21:29	11/8/22	
Diethyl Phthalate	1.1 U	8.8	1.1	1	11/10/22 21:29	11/8/22	
Dimethyl Phthalate	1.3 U	8.8	1.3	1	11/10/22 21:29	11/8/22	
Fluoranthene	1.5 U	8.8	1.5	1	11/10/22 21:29	11/8/22	
Fluorene	1.3 U	8.8	1.3	1	11/10/22 21:29	11/8/22	
Hexachlorobenzene	1.6 U	8.8	1.6	1	11/10/22 21:29	11/8/22	
Hexachlorobutadiene	1.0 U	8.8	1.0	1	11/10/22 21:29	11/8/22	
Hexachlorocyclopentadiene	2.2 U	8.8	2.2	1	11/10/22 21:29	11/8/22	
Hexachloroethane	1.1 U	8.8	1.1	1	11/10/22 21:29	11/8/22	
Indeno(1,2,3-cd)pyrene	1.8 U	8.8	1.8	1	11/10/22 21:29	11/8/22	
Isophorone	1.4 U	8.8	1.4	1	11/10/22 21:29	11/8/22	
N-Nitrosodi-n-propylamine	1.2 U	8.8	1.2	1	11/10/22 21:29	11/8/22	
N-Nitrosodiphenylamine	2.7 U	8.8	2.7	1	11/10/22 21:29	11/8/22	
Naphthalene	1.2 U	8.8	1.2	1	11/10/22 21:29	11/8/22	
Nitrobenzene	1.5 U	8.8	1.5	1	11/10/22 21:29	11/8/22	
Pentachlorophenol (PCP)	9.7 U	44	9.7	1	11/10/22 21:29	11/8/22	
Phenanthrene	1.4 U	8.8	1.4	1	11/10/22 21:29	11/8/22	
Phenol	1.0 U	8.8	1.0	1	11/10/22 21:29	11/8/22	
Pyrene	1.5 U	8.8	1.5	1	11/10/22 21:29	11/8/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	88	35 - 141	11/10/22 21:29	
2-Fluorobiphenyl	72	31 - 118	11/10/22 21:29	
2-Fluorophenol	60	10 - 105	11/10/22 21:29	
Nitrobenzene-d5	65	31 - 110	11/10/22 21:29	
Phenol-d6	36	10 - 107	11/10/22 21:29	
Terphenyl-d14	76	10 - 165	11/10/22 21:29	

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/01/22 13:20
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-TMW-01-DUP-20221101	**Units:**	ug/L
Lab Code:	R2210625-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	1.2 U	8.8	1.2	1	11/10/22 21:58	11/8/22	
2,3,4,6-Tetrachlorophenol	1.2 U	8.8	1.2	1	11/10/22 21:58	11/8/22	
2,4,5-Trichlorophenol	1.1 U	8.8	1.1	1	11/10/22 21:58	11/8/22	
2,4,6-Trichlorophenol	1.4 U	8.8	1.4	1	11/10/22 21:58	11/8/22	
2,4-Dichlorophenol	1.3 U	8.8	1.3	1	11/10/22 21:58	11/8/22	
2,4-Dimethylphenol	1.4 U	8.8	1.4	1	11/10/22 21:58	11/8/22	
2,4-Dinitrophenol	20 U	44	20	1	11/10/22 21:58	11/8/22	
2,4-Dinitrotoluene	2.4 U	8.8	2.4	1	11/10/22 21:58	11/8/22	
2,6-Dinitrotoluene	1.4 U	8.8	1.4	1	11/10/22 21:58	11/8/22	
2-Chloronaphthalene	1.4 U	8.8	1.4	1	11/10/22 21:58	11/8/22	
2-Chlorophenol	1.1 U	8.8	1.1	1	11/10/22 21:58	11/8/22	
2-Methylnaphthalene	1.3 U	8.8	1.3	1	11/10/22 21:58	11/8/22	
2-Methylphenol	1.0 U	8.8	1.0	1	11/10/22 21:58	11/8/22	
2-Nitroaniline	1.4 U	8.8	1.4	1	11/10/22 21:58	11/8/22	
2-Nitrophenol	1.5 U	8.8	1.5	1	11/10/22 21:58	11/8/22	
3,3'-Dichlorobenzidine	1.2 U	8.8	1.2	1	11/10/22 21:58	11/8/22	
3- and 4-Methylphenol Coelution	1.2 U	8.8	1.2	1	11/10/22 21:58	11/8/22	
3-Nitroaniline	1.1 U	8.8	1.1	1	11/10/22 21:58	11/8/22	
4,6-Dinitro-2-methylphenol	8.7 U	44	8.7	1	11/10/22 21:58	11/8/22	
4-Bromophenyl Phenyl Ether	1.7 U	8.8	1.7	1	11/10/22 21:58	11/8/22	
4-Chloro-3-methylphenol	1.1 U	8.8	1.1	1	11/10/22 21:58	11/8/22	
4-Chloroaniline	1.0 U	8.8	1.0	1	11/10/22 21:58	11/8/22	
4-Chlorophenyl Phenyl Ether	1.5 U	8.8	1.5	1	11/10/22 21:58	11/8/22	
4-Nitroaniline	1.4 U	8.8	1.4	1	11/10/22 21:58	11/8/22	
4-Nitrophenol	6.4 U	44	6.4	1	11/10/22 21:58	11/8/22	
Acenaphthene	1.4 U	8.8	1.4	1	11/10/22 21:58	11/8/22	
Acenaphthylene	1.4 U	8.8	1.4	1	11/10/22 21:58	11/8/22	
Acetophenone	**1.8 J**	8.8	1.3	1	11/10/22 21:58	11/8/22	
Anthracene	1.3 U	8.8	1.3	1	11/10/22 21:58	11/8/22	
Atrazine	2.1 U	8.8	2.1	1	11/10/22 21:58	11/8/22	
Benz(a)anthracene	1.6 U	8.8	1.6	1	11/10/22 21:58	11/8/22	
Benzaldehyde	1.0 U	8.8	1.0	1	11/10/22 21:58	11/8/22	
Benzo(a)pyrene	1.2 U	8.8	1.2	1	11/10/22 21:58	11/8/22	
Benzo(b)fluoranthene	1.2 U	8.8	1.2	1	11/10/22 21:58	11/8/22	
Benzo(g,h,i)perylene	1.0 U	8.8	1.0	1	11/10/22 21:58	11/8/22	
Benzo(k)fluoranthene	1.3 U	8.8	1.3	1	11/10/22 21:58	11/8/22	
Biphenyl	1.4 U	8.8	1.4	1	11/10/22 21:58	11/8/22	
2,2'-Oxybis(1-chloropropane)	1.4 U	8.8	1.4	1	11/10/22 21:58	11/8/22	
Bis(2-chloroethoxy)methane	1.9 U	8.8	1.9	1	11/10/22 21:58	11/8/22	
Bis(2-chloroethyl) Ether	1.3 U	8.8	1.3	1	11/10/22 21:58	11/8/22	
Bis(2-ethylhexyl) Phthalate	7.8 U	8.8	7.8	1	11/10/22 21:58	11/8/22	
Butyl Benzyl Phthalate	1.4 U	8.8	1.4	1	11/10/22 21:58	11/8/22	
Caprolactam	1.0 U	8.8	1.0	1	11/10/22 21:58	11/8/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/01/22 13:20
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-TMW-01-DUP-20221101	**Units:**	ug/L
Lab Code:	R2210625-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	1.6 U	8.8	1.6	1	11/10/22 21:58	11/8/22	
Chrysene	1.2 U	8.8	1.2	1	11/10/22 21:58	11/8/22	
Di-n-butyl Phthalate	1.7 U	8.8	1.7	1	11/10/22 21:58	11/8/22	
Di-n-octyl Phthalate	3.3 U	8.8	3.3	1	11/10/22 21:58	11/8/22	
Dibenz(a,h)anthracene	1.1 U	8.8	1.1	1	11/10/22 21:58	11/8/22	
Dibenzofuran	1.4 U	8.8	1.4	1	11/10/22 21:58	11/8/22	
Diethyl Phthalate	1.1 U	8.8	1.1	1	11/10/22 21:58	11/8/22	
Dimethyl Phthalate	1.3 U	8.8	1.3	1	11/10/22 21:58	11/8/22	
Fluoranthene	1.5 U	8.8	1.5	1	11/10/22 21:58	11/8/22	
Fluorene	1.3 U	8.8	1.3	1	11/10/22 21:58	11/8/22	
Hexachlorobenzene	1.6 U	8.8	1.6	1	11/10/22 21:58	11/8/22	
Hexachlorobutadiene	1.0 U	8.8	1.0	1	11/10/22 21:58	11/8/22	
Hexachlorocyclopentadiene	2.2 U	8.8	2.2	1	11/10/22 21:58	11/8/22	
Hexachloroethane	1.1 U	8.8	1.1	1	11/10/22 21:58	11/8/22	
Indeno(1,2,3-cd)pyrene	1.8 U	8.8	1.8	1	11/10/22 21:58	11/8/22	
Isophorone	1.4 U	8.8	1.4	1	11/10/22 21:58	11/8/22	
N-Nitrosodi-n-propylamine	1.2 U	8.8	1.2	1	11/10/22 21:58	11/8/22	
N-Nitrosodiphenylamine	2.7 U	8.8	2.7	1	11/10/22 21:58	11/8/22	
Naphthalene	1.2 U	8.8	1.2	1	11/10/22 21:58	11/8/22	
Nitrobenzene	1.5 U	8.8	1.5	1	11/10/22 21:58	11/8/22	
Pentachlorophenol (PCP)	9.7 U	44	9.7	1	11/10/22 21:58	11/8/22	
Phenanthrene	1.4 U	8.8	1.4	1	11/10/22 21:58	11/8/22	
Phenol	1.0 U	8.8	1.0	1	11/10/22 21:58	11/8/22	
Pyrene	1.5 U	8.8	1.5	1	11/10/22 21:58	11/8/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	90	35 - 141	11/10/22 21:58	
2-Fluorobiphenyl	70	31 - 118	11/10/22 21:58	
2-Fluorophenol	50	10 - 105	11/10/22 21:58	
Nitrobenzene-d5	70	31 - 110	11/10/22 21:58	
Phenol-d6	34	10 - 107	11/10/22 21:58	
Terphenyl-d14	82	10 - 165	11/10/22 21:58	

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22 08:35
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-MW-07-20221102	**Units:**	ug/L
Lab Code:	R2210625-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	1.2 U	8.9	1.2	1	11/10/22 22:26	11/9/22	
2,3,4,6-Tetrachlorophenol	1.2 U	8.9	1.2	1	11/10/22 22:26	11/9/22	
2,4,5-Trichlorophenol	1.1 U	8.9	1.1	1	11/10/22 22:26	11/9/22	
2,4,6-Trichlorophenol	1.4 U	8.9	1.4	1	11/10/22 22:26	11/9/22	
2,4-Dichlorophenol	1.3 U	8.9	1.3	1	11/10/22 22:26	11/9/22	
2,4-Dimethylphenol	1.4 U	8.9	1.4	1	11/10/22 22:26	11/9/22	
2,4-Dinitrophenol	20 U	45	20	1	11/10/22 22:26	11/9/22	
2,4-Dinitrotoluene	2.4 U	8.9	2.4	1	11/10/22 22:26	11/9/22	
2,6-Dinitrotoluene	1.4 U	8.9	1.4	1	11/10/22 22:26	11/9/22	
2-Chloronaphthalene	1.4 U	8.9	1.4	1	11/10/22 22:26	11/9/22	
2-Chlorophenol	1.1 U	8.9	1.1	1	11/10/22 22:26	11/9/22	
2-Methylnaphthalene	1.3 U	8.9	1.3	1	11/10/22 22:26	11/9/22	
2-Methylphenol	1.0 U	8.9	1.0	1	11/10/22 22:26	11/9/22	
2-Nitroaniline	1.4 U	8.9	1.4	1	11/10/22 22:26	11/9/22	
2-Nitrophenol	1.5 U	8.9	1.5	1	11/10/22 22:26	11/9/22	
3,3'-Dichlorobenzidine	1.2 U	8.9	1.2	1	11/10/22 22:26	11/9/22	
3- and 4-Methylphenol Coelution	1.2 U	8.9	1.2	1	11/10/22 22:26	11/9/22	
3-Nitroaniline	1.1 U	8.9	1.1	1	11/10/22 22:26	11/9/22	
4,6-Dinitro-2-methylphenol	8.7 U	45	8.7	1	11/10/22 22:26	11/9/22	
4-Bromophenyl Phenyl Ether	1.7 U	8.9	1.7	1	11/10/22 22:26	11/9/22	
4-Chloro-3-methylphenol	1.1 U	8.9	1.1	1	11/10/22 22:26	11/9/22	
4-Chloroaniline	1.0 U	8.9	1.0	1	11/10/22 22:26	11/9/22	
4-Chlorophenyl Phenyl Ether	1.5 U	8.9	1.5	1	11/10/22 22:26	11/9/22	
4-Nitroaniline	1.4 U	8.9	1.4	1	11/10/22 22:26	11/9/22	
4-Nitrophenol	6.4 U	45	6.4	1	11/10/22 22:26	11/9/22	
Acenaphthene	1.4 U	8.9	1.4	1	11/10/22 22:26	11/9/22	
Acenaphthylene	1.4 U	8.9	1.4	1	11/10/22 22:26	11/9/22	
Acetophenone	**1.9 J**	8.9	1.3	1	11/10/22 22:26	11/9/22	
Anthracene	1.3 U	8.9	1.3	1	11/10/22 22:26	11/9/22	
Atrazine	2.1 U	8.9	2.1	1	11/10/22 22:26	11/9/22	
Benz(a)anthracene	1.6 U	8.9	1.6	1	11/10/22 22:26	11/9/22	
Benzaldehyde	1.0 U	8.9	1.0	1	11/10/22 22:26	11/9/22	
Benzo(a)pyrene	1.2 U	8.9	1.2	1	11/10/22 22:26	11/9/22	
Benzo(b)fluoranthene	1.2 U	8.9	1.2	1	11/10/22 22:26	11/9/22	
Benzo(g,h,i)perylene	1.0 U	8.9	1.0	1	11/10/22 22:26	11/9/22	
Benzo(k)fluoranthene	1.3 U	8.9	1.3	1	11/10/22 22:26	11/9/22	
Biphenyl	1.4 U	8.9	1.4	1	11/10/22 22:26	11/9/22	
2,2'-Oxybis(1-chloropropane)	1.4 U	8.9	1.4	1	11/10/22 22:26	11/9/22	
Bis(2-chloroethoxy)methane	1.9 U	8.9	1.9	1	11/10/22 22:26	11/9/22	
Bis(2-chloroethyl) Ether	1.3 U	8.9	1.3	1	11/10/22 22:26	11/9/22	
Bis(2-ethylhexyl) Phthalate	7.8 U	8.9	7.8	1	11/10/22 22:26	11/9/22	
Butyl Benzyl Phthalate	1.4 U	8.9	1.4	1	11/10/22 22:26	11/9/22	
Caprolactam	**1.3 J**	8.9	1.0	1	11/10/22 22:26	11/9/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22 08:35
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-MW-07-20221102	**Units:**	ug/L
Lab Code:	R2210625-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	1.6 U	8.9	1.6	1	11/10/22 22:26	11/9/22	
Chrysene	1.2 U	8.9	1.2	1	11/10/22 22:26	11/9/22	
Di-n-butyl Phthalate	1.7 U	8.9	1.7	1	11/10/22 22:26	11/9/22	
Di-n-octyl Phthalate	3.3 U	8.9	3.3	1	11/10/22 22:26	11/9/22	
Dibenz(a,h)anthracene	1.1 U	8.9	1.1	1	11/10/22 22:26	11/9/22	
Dibenzofuran	1.4 U	8.9	1.4	1	11/10/22 22:26	11/9/22	
Diethyl Phthalate	1.1 U	8.9	1.1	1	11/10/22 22:26	11/9/22	
Dimethyl Phthalate	1.3 U	8.9	1.3	1	11/10/22 22:26	11/9/22	
Fluoranthene	1.5 U	8.9	1.5	1	11/10/22 22:26	11/9/22	
Fluorene	1.3 U	8.9	1.3	1	11/10/22 22:26	11/9/22	
Hexachlorobenzene	1.6 U	8.9	1.6	1	11/10/22 22:26	11/9/22	
Hexachlorobutadiene	1.0 U	8.9	1.0	1	11/10/22 22:26	11/9/22	
Hexachlorocyclopentadiene	2.2 U	8.9	2.2	1	11/10/22 22:26	11/9/22	
Hexachloroethane	1.1 U	8.9	1.1	1	11/10/22 22:26	11/9/22	
Indeno(1,2,3-cd)pyrene	1.8 U	8.9	1.8	1	11/10/22 22:26	11/9/22	
Isophorone	1.4 U	8.9	1.4	1	11/10/22 22:26	11/9/22	
N-Nitrosodi-n-propylamine	1.2 U	8.9	1.2	1	11/10/22 22:26	11/9/22	
N-Nitrosodiphenylamine	2.7 U	8.9	2.7	1	11/10/22 22:26	11/9/22	
Naphthalene	1.2 U	8.9	1.2	1	11/10/22 22:26	11/9/22	
Nitrobenzene	1.5 U	8.9	1.5	1	11/10/22 22:26	11/9/22	
Pentachlorophenol (PCP)	9.7 U	45	9.7	1	11/10/22 22:26	11/9/22	
Phenanthrene	1.4 U	8.9	1.4	1	11/10/22 22:26	11/9/22	
Phenol	1.0 U	8.9	1.0	1	11/10/22 22:26	11/9/22	
Pyrene	1.5 U	8.9	1.5	1	11/10/22 22:26	11/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	85	35 - 141	11/10/22 22:26	
2-Fluorobiphenyl	64	31 - 118	11/10/22 22:26	
2-Fluorophenol	51	10 - 105	11/10/22 22:26	
Nitrobenzene-d5	80	31 - 110	11/10/22 22:26	
Phenol-d6	35	10 - 107	11/10/22 22:26	
Terphenyl-d14	79	10 - 165	11/10/22 22:26	

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22 09:40
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-HW-10-20221102	**Units:**	ug/L
Lab Code:	R2210625-008	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	1.2 U	8.8	1.2	1	11/10/22 22:55	11/9/22	
2,3,4,6-Tetrachlorophenol	1.2 U	8.8	1.2	1	11/10/22 22:55	11/9/22	
2,4,5-Trichlorophenol	1.1 U	8.8	1.1	1	11/10/22 22:55	11/9/22	
2,4,6-Trichlorophenol	1.4 U	8.8	1.4	1	11/10/22 22:55	11/9/22	
2,4-Dichlorophenol	1.3 U	8.8	1.3	1	11/10/22 22:55	11/9/22	
2,4-Dimethylphenol	1.4 U	8.8	1.4	1	11/10/22 22:55	11/9/22	
2,4-Dinitrophenol	20 U	44	20	1	11/10/22 22:55	11/9/22	
2,4-Dinitrotoluene	2.4 U	8.8	2.4	1	11/10/22 22:55	11/9/22	
2,6-Dinitrotoluene	1.4 U	8.8	1.4	1	11/10/22 22:55	11/9/22	
2-Chloronaphthalene	1.4 U	8.8	1.4	1	11/10/22 22:55	11/9/22	
2-Chlorophenol	1.1 U	8.8	1.1	1	11/10/22 22:55	11/9/22	
2-Methylnaphthalene	1.3 U	8.8	1.3	1	11/10/22 22:55	11/9/22	
2-Methylphenol	1.0 U	8.8	1.0	1	11/10/22 22:55	11/9/22	
2-Nitroaniline	1.4 U	8.8	1.4	1	11/10/22 22:55	11/9/22	
2-Nitrophenol	1.5 U	8.8	1.5	1	11/10/22 22:55	11/9/22	
3,3'-Dichlorobenzidine	1.2 U	8.8	1.2	1	11/10/22 22:55	11/9/22	
3- and 4-Methylphenol Coelution	1.2 U	8.8	1.2	1	11/10/22 22:55	11/9/22	
3-Nitroaniline	1.1 U	8.8	1.1	1	11/10/22 22:55	11/9/22	
4,6-Dinitro-2-methylphenol	8.7 U	44	8.7	1	11/10/22 22:55	11/9/22	
4-Bromophenyl Phenyl Ether	1.7 U	8.8	1.7	1	11/10/22 22:55	11/9/22	
4-Chloro-3-methylphenol	1.1 U	8.8	1.1	1	11/10/22 22:55	11/9/22	
4-Chloroaniline	1.0 U	8.8	1.0	1	11/10/22 22:55	11/9/22	
4-Chlorophenyl Phenyl Ether	1.5 U	8.8	1.5	1	11/10/22 22:55	11/9/22	
4-Nitroaniline	1.4 U	8.8	1.4	1	11/10/22 22:55	11/9/22	
4-Nitrophenol	6.4 U	44	6.4	1	11/10/22 22:55	11/9/22	
Acenaphthene	1.4 U	8.8	1.4	1	11/10/22 22:55	11/9/22	
Acenaphthylene	1.4 U	8.8	1.4	1	11/10/22 22:55	11/9/22	
Acetophenone	1.3 U	8.8	1.3	1	11/10/22 22:55	11/9/22	
Anthracene	1.3 U	8.8	1.3	1	11/10/22 22:55	11/9/22	
Atrazine	2.1 U	8.8	2.1	1	11/10/22 22:55	11/9/22	
Benz(a)anthracene	1.6 U	8.8	1.6	1	11/10/22 22:55	11/9/22	
Benzaldehyde	1.0 U	8.8	1.0	1	11/10/22 22:55	11/9/22	
Benzo(a)pyrene	1.2 U	8.8	1.2	1	11/10/22 22:55	11/9/22	
Benzo(b)fluoranthene	1.2 U	8.8	1.2	1	11/10/22 22:55	11/9/22	
Benzo(g,h,i)perylene	1.0 U	8.8	1.0	1	11/10/22 22:55	11/9/22	
Benzo(k)fluoranthene	1.3 U	8.8	1.3	1	11/10/22 22:55	11/9/22	
Biphenyl	1.4 U	8.8	1.4	1	11/10/22 22:55	11/9/22	
2,2'-Oxybis(1-chloropropane)	1.4 U	8.8	1.4	1	11/10/22 22:55	11/9/22	
Bis(2-chloroethoxy)methane	1.9 U	8.8	1.9	1	11/10/22 22:55	11/9/22	
Bis(2-chloroethyl) Ether	1.3 U	8.8	1.3	1	11/10/22 22:55	11/9/22	
Bis(2-ethylhexyl) Phthalate	7.8 U	8.8	7.8	1	11/10/22 22:55	11/9/22	
Butyl Benzyl Phthalate	1.4 U	8.8	1.4	1	11/10/22 22:55	11/9/22	
Caprolactam	1.0 U	8.8	1.0	1	11/10/22 22:55	11/9/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22 09:40
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-HW-10-20221102	**Units:**	ug/L
Lab Code:	R2210625-008	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	1.6 U	8.8	1.6	1	11/10/22 22:55	11/9/22	
Chrysene	1.2 U	8.8	1.2	1	11/10/22 22:55	11/9/22	
Di-n-butyl Phthalate	1.7 U	8.8	1.7	1	11/10/22 22:55	11/9/22	
Di-n-octyl Phthalate	3.3 U	8.8	3.3	1	11/10/22 22:55	11/9/22	
Dibenz(a,h)anthracene	1.1 U	8.8	1.1	1	11/10/22 22:55	11/9/22	
Dibenzofuran	1.4 U	8.8	1.4	1	11/10/22 22:55	11/9/22	
Diethyl Phthalate	1.1 U	8.8	1.1	1	11/10/22 22:55	11/9/22	
Dimethyl Phthalate	1.3 U	8.8	1.3	1	11/10/22 22:55	11/9/22	
Fluoranthene	1.5 U	8.8	1.5	1	11/10/22 22:55	11/9/22	
Fluorene	1.3 U	8.8	1.3	1	11/10/22 22:55	11/9/22	
Hexachlorobenzene	1.6 U	8.8	1.6	1	11/10/22 22:55	11/9/22	
Hexachlorobutadiene	1.0 U	8.8	1.0	1	11/10/22 22:55	11/9/22	
Hexachlorocyclopentadiene	2.2 U	8.8	2.2	1	11/10/22 22:55	11/9/22	
Hexachloroethane	1.1 U	8.8	1.1	1	11/10/22 22:55	11/9/22	
Indeno(1,2,3-cd)pyrene	1.8 U	8.8	1.8	1	11/10/22 22:55	11/9/22	
Isophorone	1.4 U	8.8	1.4	1	11/10/22 22:55	11/9/22	
N-Nitrosodi-n-propylamine	1.2 U	8.8	1.2	1	11/10/22 22:55	11/9/22	
N-Nitrosodiphenylamine	2.7 U	8.8	2.7	1	11/10/22 22:55	11/9/22	
Naphthalene	1.2 U	8.8	1.2	1	11/10/22 22:55	11/9/22	
Nitrobenzene	1.5 U	8.8	1.5	1	11/10/22 22:55	11/9/22	
Pentachlorophenol (PCP)	9.7 U	44	9.7	1	11/10/22 22:55	11/9/22	
Phenanthrene	1.4 U	8.8	1.4	1	11/10/22 22:55	11/9/22	
Phenol	1.0 U	8.8	1.0	1	11/10/22 22:55	11/9/22	
Pyrene	1.5 U	8.8	1.5	1	11/10/22 22:55	11/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	89	35 - 141	11/10/22 22:55	
2-Fluorobiphenyl	80	31 - 118	11/10/22 22:55	
2-Fluorophenol	40	10 - 105	11/10/22 22:55	
Nitrobenzene-d5	84	31 - 110	11/10/22 22:55	
Phenol-d6	34	10 - 107	11/10/22 22:55	
Terphenyl-d14	83	10 - 165	11/10/22 22:55	

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22 10:30
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-EB-110222	**Units:**	ug/L
Lab Code:	R2210625-010	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	1.2 U	9.3	1.2	1	11/11/22 19:40	11/9/22	
2,3,4,6-Tetrachlorophenol	1.2 U	9.3	1.2	1	11/11/22 19:40	11/9/22	
2,4,5-Trichlorophenol	1.1 U	9.3	1.1	1	11/11/22 19:40	11/9/22	
2,4,6-Trichlorophenol	1.4 U	9.3	1.4	1	11/11/22 19:40	11/9/22	
2,4-Dichlorophenol	1.3 U	9.3	1.3	1	11/11/22 19:40	11/9/22	
2,4-Dimethylphenol	1.4 U	9.3	1.4	1	11/11/22 19:40	11/9/22	
2,4-Dinitrophenol	20 U	46	20	1	11/11/22 19:40	11/9/22	
2,4-Dinitrotoluene	2.4 U	9.3	2.4	1	11/11/22 19:40	11/9/22	
2,6-Dinitrotoluene	1.4 U	9.3	1.4	1	11/11/22 19:40	11/9/22	
2-Chloronaphthalene	1.4 U	9.3	1.4	1	11/11/22 19:40	11/9/22	
2-Chlorophenol	1.1 U	9.3	1.1	1	11/11/22 19:40	11/9/22	
2-Methylnaphthalene	1.3 U	9.3	1.3	1	11/11/22 19:40	11/9/22	
2-Methylphenol	1.0 U	9.3	1.0	1	11/11/22 19:40	11/9/22	
2-Nitroaniline	1.4 U	9.3	1.4	1	11/11/22 19:40	11/9/22	
2-Nitrophenol	1.5 U	9.3	1.5	1	11/11/22 19:40	11/9/22	
3,3'-Dichlorobenzidine	1.2 U	9.3	1.2	1	11/11/22 19:40	11/9/22	
3- and 4-Methylphenol Coelution	1.2 U	9.3	1.2	1	11/11/22 19:40	11/9/22	
3-Nitroaniline	1.1 U	9.3	1.1	1	11/11/22 19:40	11/9/22	
4,6-Dinitro-2-methylphenol	8.7 U	46	8.7	1	11/11/22 19:40	11/9/22	
4-Bromophenyl Phenyl Ether	1.7 U	9.3	1.7	1	11/11/22 19:40	11/9/22	
4-Chloro-3-methylphenol	1.1 U	9.3	1.1	1	11/11/22 19:40	11/9/22	
4-Chloroaniline	1.0 U	9.3	1.0	1	11/11/22 19:40	11/9/22	
4-Chlorophenyl Phenyl Ether	1.5 U	9.3	1.5	1	11/11/22 19:40	11/9/22	
4-Nitroaniline	1.4 U	9.3	1.4	1	11/11/22 19:40	11/9/22	
4-Nitrophenol	6.4 U	46	6.4	1	11/11/22 19:40	11/9/22	
Acenaphthene	1.4 U	9.3	1.4	1	11/11/22 19:40	11/9/22	
Acenaphthylene	1.4 U	9.3	1.4	1	11/11/22 19:40	11/9/22	
Acetophenone	**2.5 J**	9.3	1.3	1	11/11/22 19:40	11/9/22	
Anthracene	1.3 U	9.3	1.3	1	11/11/22 19:40	11/9/22	
Atrazine	2.1 U	9.3	2.1	1	11/11/22 19:40	11/9/22	
Benz(a)anthracene	1.6 U	9.3	1.6	1	11/11/22 19:40	11/9/22	
Benzaldehyde	1.0 U	9.3	1.0	1	11/11/22 19:40	11/9/22	
Benzo(a)pyrene	1.2 U	9.3	1.2	1	11/11/22 19:40	11/9/22	
Benzo(b)fluoranthene	1.2 U	9.3	1.2	1	11/11/22 19:40	11/9/22	
Benzo(g,h,i)perylene	1.0 U	9.3	1.0	1	11/11/22 19:40	11/9/22	
Benzo(k)fluoranthene	1.3 U	9.3	1.3	1	11/11/22 19:40	11/9/22	
Biphenyl	1.4 U	9.3	1.4	1	11/11/22 19:40	11/9/22	
2,2'-Oxybis(1-chloropropane)	1.4 U	9.3	1.4	1	11/11/22 19:40	11/9/22	
Bis(2-chloroethoxy)methane	1.9 U	9.3	1.9	1	11/11/22 19:40	11/9/22	
Bis(2-chloroethyl) Ether	1.3 U	9.3	1.3	1	11/11/22 19:40	11/9/22	
Bis(2-ethylhexyl) Phthalate	7.8 U	9.3	7.8	1	11/11/22 19:40	11/9/22	
Butyl Benzyl Phthalate	1.4 U	9.3	1.4	1	11/11/22 19:40	11/9/22	
Caprolactam	1.0 U	9.3	1.0	1	11/11/22 19:40	11/9/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22 10:30
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-EB-110222	**Units:**	ug/L
Lab Code:	R2210625-010	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	1.6 U	9.3	1.6	1	11/11/22 19:40	11/9/22	
Chrysene	1.2 U	9.3	1.2	1	11/11/22 19:40	11/9/22	
Di-n-butyl Phthalate	1.7 U	9.3	1.7	1	11/11/22 19:40	11/9/22	
Di-n-octyl Phthalate	3.3 U	9.3	3.3	1	11/11/22 19:40	11/9/22	
Dibenz(a,h)anthracene	1.1 U	9.3	1.1	1	11/11/22 19:40	11/9/22	
Dibenzofuran	1.4 U	9.3	1.4	1	11/11/22 19:40	11/9/22	
Diethyl Phthalate	1.1 U	9.3	1.1	1	11/11/22 19:40	11/9/22	
Dimethyl Phthalate	1.3 U	9.3	1.3	1	11/11/22 19:40	11/9/22	
Fluoranthene	1.5 U	9.3	1.5	1	11/11/22 19:40	11/9/22	
Fluorene	1.3 U	9.3	1.3	1	11/11/22 19:40	11/9/22	
Hexachlorobenzene	1.6 U	9.3	1.6	1	11/11/22 19:40	11/9/22	
Hexachlorobutadiene	1.0 U	9.3	1.0	1	11/11/22 19:40	11/9/22	
Hexachlorocyclopentadiene	2.2 U	9.3	2.2	1	11/11/22 19:40	11/9/22	
Hexachloroethane	1.1 U	9.3	1.1	1	11/11/22 19:40	11/9/22	
Indeno(1,2,3-cd)pyrene	1.8 U	9.3	1.8	1	11/11/22 19:40	11/9/22	
Isophorone	1.4 U	9.3	1.4	1	11/11/22 19:40	11/9/22	
N-Nitrosodi-n-propylamine	1.2 U	9.3	1.2	1	11/11/22 19:40	11/9/22	
N-Nitrosodiphenylamine	2.7 U	9.3	2.7	1	11/11/22 19:40	11/9/22	
Naphthalene	1.2 U	9.3	1.2	1	11/11/22 19:40	11/9/22	
Nitrobenzene	1.5 U	9.3	1.5	1	11/11/22 19:40	11/9/22	
Pentachlorophenol (PCP)	9.7 U	46	9.7	1	11/11/22 19:40	11/9/22	
Phenanthrene	1.4 U	9.3	1.4	1	11/11/22 19:40	11/9/22	
Phenol	1.0 U	9.3	1.0	1	11/11/22 19:40	11/9/22	
Pyrene	1.5 U	9.3	1.5	1	11/11/22 19:40	11/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	85	35 - 141	11/11/22 19:40	
2-Fluorobiphenyl	67	31 - 118	11/11/22 19:40	
2-Fluorophenol	47	10 - 105	11/11/22 19:40	
Nitrobenzene-d5	71	31 - 110	11/11/22 19:40	
Phenol-d6	33	10 - 107	11/11/22 19:40	
Terphenyl-d14	95	10 - 165	11/11/22 19:40	

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/01/22 11:10
Sample Matrix:	Soil	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-TMW-01-16-17-20221101	**Units:**	ug/Kg
Lab Code:	R2210625-013	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	77 U	350	77	1	11/17/22 16:06	11/10/22	
2,3,4,6-Tetrachlorophenol	130 U	350	130	1	11/17/22 16:06	11/10/22	
2,4,5-Trichlorophenol	86 U	350	86	1	11/17/22 16:06	11/10/22	
2,4,6-Trichlorophenol	77 U	350	77	1	11/17/22 16:06	11/10/22	
2,4-Dichlorophenol	67 U	350	67	1	11/17/22 16:06	11/10/22	
2,4-Dimethylphenol	62 U	350	62	1	11/17/22 16:06	11/10/22	
2,4-Dinitrophenol	590 U	1800	590	1	11/17/22 16:06	11/10/22	
2,4-Dinitrotoluene	140 U	350	140	1	11/17/22 16:06	11/10/22	
2,6-Dinitrotoluene	76 U	350	76	1	11/17/22 16:06	11/10/22	
2-Chloronaphthalene	70 U	350	70	1	11/17/22 16:06	11/10/22	
2-Chlorophenol	58 U	350	58	1	11/17/22 16:06	11/10/22	
2-Methylnaphthalene	130 U	350	130	1	11/17/22 16:06	11/10/22	
2-Methylphenol	72 U	350	72	1	11/17/22 16:06	11/10/22	
2-Nitroaniline	82 U	1800	82	1	11/17/22 16:06	11/10/22	
2-Nitrophenol	81 U	350	81	1	11/17/22 16:06	11/10/22	
3,3'-Dichlorobenzidine	39 U	350	39	1	11/17/22 16:06	11/10/22	
3- and 4-Methylphenol Coelution	67 U	350	67	1	11/17/22 16:06	11/10/22	
3-Nitroaniline	70 U	1800	70	1	11/17/22 16:06	11/10/22	
4,6-Dinitro-2-methylphenol	200 U	1800	200	1	11/17/22 16:06	11/10/22	
4-Bromophenyl Phenyl Ether	91 U	350	91	1	11/17/22 16:06	11/10/22	
4-Chloro-3-methylphenol	70 U	350	70	1	11/17/22 16:06	11/10/22	
4-Chloroaniline	59 U	350	59	1	11/17/22 16:06	11/10/22	
4-Chlorophenyl Phenyl Ether	74 U	350	74	1	11/17/22 16:06	11/10/22	
4-Nitroaniline	75 U	1800	75	1	11/17/22 16:06	11/10/22	
4-Nitrophenol	70 U	1800	70	1	11/17/22 16:06	11/10/22	
Acenaphthene	66 U	350	66	1	11/17/22 16:06	11/10/22	
Acenaphthylene	70 U	350	70	1	11/17/22 16:06	11/10/22	
Acetophenone	100 U	350	100	1	11/17/22 16:06	11/10/22	
Anthracene	58 U	350	58	1	11/17/22 16:06	11/10/22	
Atrazine	110 U	350	110	1	11/17/22 16:06	11/10/22	
Benz(a)anthracene	52 U	350	52	1	11/17/22 16:06	11/10/22	
Benzaldehyde	84 U	1800	84	1	11/17/22 16:06	11/10/22	
Benzo(a)pyrene	92 U	350	92	1	11/17/22 16:06	11/10/22	
Benzo(b)fluoranthene	58 U	350	58	1	11/17/22 16:06	11/10/22	
Benzo(g,h,i)perylene	80 U	350	80	1	11/17/22 16:06	11/10/22	
Benzo(k)fluoranthene	56 U	350	56	1	11/17/22 16:06	11/10/22	
Biphenyl	110 U	350	110	1	11/17/22 16:06	11/10/22	
2,2'-Oxybis(1-chloropropane)	71 U	350	71	1	11/17/22 16:06	11/10/22	
Bis(2-chloroethoxy)methane	85 U	350	85	1	11/17/22 16:06	11/10/22	
Bis(2-chloroethyl) Ether	69 U	350	69	1	11/17/22 16:06	11/10/22	
Bis(2-ethylhexyl) Phthalate	64 U	530	64	1	11/17/22 16:06	11/10/22	
Butyl Benzyl Phthalate	42 U	350	42	1	11/17/22 16:06	11/10/22	
Caprolactam	77 U	350	77	1	11/17/22 16:06	11/10/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/01/22 11:10
Sample Matrix:	Soil	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-TMW-01-16-17-20221101	**Units:**	ug/Kg
Lab Code:	R2210625-013	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	56 U	350	56	1	11/17/22 16:06	11/10/22	
Chrysene	51 U	350	51	1	11/17/22 16:06	11/10/22	
Di-n-butyl Phthalate	56 U	350	56	1	11/17/22 16:06	11/10/22	
Di-n-octyl Phthalate	130 U	350	130	1	11/17/22 16:06	11/10/22	
Dibenz(a,h)anthracene	76 U	350	76	1	11/17/22 16:06	11/10/22	
Dibenzofuran	63 U	350	63	1	11/17/22 16:06	11/10/22	
Diethyl Phthalate	62 U	350	62	1	11/17/22 16:06	11/10/22	
Dimethyl Phthalate	66 U	350	66	1	11/17/22 16:06	11/10/22	
Fluoranthene	87 U	350	87	1	11/17/22 16:06	11/10/22	
Fluorene	65 U	350	65	1	11/17/22 16:06	11/10/22	
Hexachlorobenzene	83 U	350	83	1	11/17/22 16:06	11/10/22	
Hexachlorobutadiene	130 U	350	130	1	11/17/22 16:06	11/10/22	
Hexachlorocyclopentadiene	110 U	350	110	1	11/17/22 16:06	11/10/22	
Hexachloroethane	65 U	350	65	1	11/17/22 16:06	11/10/22	
Indeno(1,2,3-cd)pyrene	120 U	350	120	1	11/17/22 16:06	11/10/22	
Isophorone	73 U	350	73	1	11/17/22 16:06	11/10/22	
N-Nitrosodi-n-propylamine	110 U	350	110	1	11/17/22 16:06	11/10/22	
N-Nitrosodiphenylamine	220 U	350	220	1	11/17/22 16:06	11/10/22	
Naphthalene	65 U	350	65	1	11/17/22 16:06	11/10/22	
Nitrobenzene	62 U	350	62	1	11/17/22 16:06	11/10/22	
Pentachlorophenol (PCP)	350 U	1800	350	1	11/17/22 16:06	11/10/22	
Phenanthrene	49 U	350	49	1	11/17/22 16:06	11/10/22	
Phenol	70 U	350	70	1	11/17/22 16:06	11/10/22	
Pyrene	58 U	350	58	1	11/17/22 16:06	11/10/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	99	15 - 142	11/17/22 16:06	
2-Fluorobiphenyl	83	25 - 114	11/17/22 16:06	
2-Fluorophenol	72	18 - 98	11/17/22 16:06	
Nitrobenzene-d5	83	14 - 104	11/17/22 16:06	
Phenol-d6	74	18 - 103	11/17/22 16:06	
Terphenyl-d14	92	38 - 141	11/17/22 16:06	

Semivolatile Organic Compounds by GC

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Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/01/22 13:20
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-TMW-01-20221101	**Units:**	ug/L
Lab Code:	R2210625-002	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.50 U	1.0	0.50	1	11/11/22 21:11	11/8/22	
Aroclor 1221	1.0 U	2.0	1.0	1	11/11/22 21:11	11/8/22	
Aroclor 1232	0.50 U	1.0	0.50	1	11/11/22 21:11	11/8/22	
Aroclor 1242	0.50 U	1.0	0.50	1	11/11/22 21:11	11/8/22	
Aroclor 1248	0.50 U	1.0	0.50	1	11/11/22 21:11	11/8/22	
Aroclor 1254	0.50 U	1.0	0.50	1	11/11/22 21:11	11/8/22	
Aroclor 1260	0.50 U	1.0	0.50	1	11/11/22 21:11	11/8/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	21	10 - 152	11/11/22 21:11	
Tetrachloro-m-xylene	72	14 - 129	11/11/22 21:11	

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/01/22 13:20
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-TMW-01-DUP-20221101	**Units:**	ug/L
Lab Code:	R2210625-004	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.50 U	1.0	0.50	1	11/11/22 21:30	11/8/22	
Aroclor 1221	1.0 U	2.0	1.0	1	11/11/22 21:30	11/8/22	
Aroclor 1232	0.50 U	1.0	0.50	1	11/11/22 21:30	11/8/22	
Aroclor 1242	0.50 U	1.0	0.50	1	11/11/22 21:30	11/8/22	
Aroclor 1248	0.50 U	1.0	0.50	1	11/11/22 21:30	11/8/22	
Aroclor 1254	0.50 U	1.0	0.50	1	11/11/22 21:30	11/8/22	
Aroclor 1260	0.50 U	1.0	0.50	1	11/11/22 21:30	11/8/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	14	10 - 152	11/11/22 21:30	
Tetrachloro-m-xylene	67	14 - 129	11/11/22 21:30	

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22 08:35
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-MW-07-20221102	**Units:**	ug/L
Lab Code:	R2210625-006	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.50 U	0.89	0.50	1	11/18/22 19:27	11/9/22	
Aroclor 1221	1.0 U	1.8	1.0	1	11/18/22 19:27	11/9/22	
Aroclor 1232	0.50 U	0.89	0.50	1	11/18/22 19:27	11/9/22	
Aroclor 1242	0.50 U	0.89	0.50	1	11/18/22 19:27	11/9/22	
Aroclor 1248	0.50 U	0.89	0.50	1	11/18/22 19:27	11/9/22	
Aroclor 1254	0.50 U	0.89	0.50	1	11/18/22 19:27	11/9/22	
Aroclor 1260	0.50 U	0.89	0.50	1	11/18/22 19:27	11/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	28	10 - 152	11/18/22 19:27	
Tetrachloro-m-xylene	80	14 - 129	11/18/22 19:27	

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22 09:40
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-HW-10-20221102	**Units:**	ug/L
Lab Code:	R2210625-008	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.50 U	0.88	0.50	1	11/18/22 19:46	11/9/22	
Aroclor 1221	1.0 U	1.8	1.0	1	11/18/22 19:46	11/9/22	
Aroclor 1232	0.50 U	0.88	0.50	1	11/18/22 19:46	11/9/22	
Aroclor 1242	0.50 U	0.88	0.50	1	11/18/22 19:46	11/9/22	
Aroclor 1248	0.50 U	0.88	0.50	1	11/18/22 19:46	11/9/22	
Aroclor 1254	0.50 U	0.88	0.50	1	11/18/22 19:46	11/9/22	
Aroclor 1260	0.50 U	0.88	0.50	1	11/18/22 19:46	11/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	19	10 - 152	11/18/22 19:46	
Tetrachloro-m-xylene	73	14 - 129	11/18/22 19:46	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22 10:30
Sample Matrix:	Water	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-EB-110222	**Units:**	ug/L
Lab Code:	R2210625-010	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.50 U	0.93	0.50	1	11/18/22 20:46	11/9/22	
Aroclor 1221	1.0 U	1.9	1.0	1	11/18/22 20:46	11/9/22	
Aroclor 1232	0.50 U	0.93	0.50	1	11/18/22 20:46	11/9/22	
Aroclor 1242	0.50 U	0.93	0.50	1	11/18/22 20:46	11/9/22	
Aroclor 1248	0.50 U	0.93	0.50	1	11/18/22 20:46	11/9/22	
Aroclor 1254	0.50 U	0.93	0.50	1	11/18/22 20:46	11/9/22	
Aroclor 1260	0.50 U	0.93	0.50	1	11/18/22 20:46	11/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	29	10 - 152	11/18/22 20:46	
Tetrachloro-m-xylene	75	14 - 129	11/18/22 20:46	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/01/22 11:10
Sample Matrix:	Soil	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-TMW-01-16-17-20221101	**Units:**	ug/Kg
Lab Code:	R2210625-013	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	18 U	35	18	1	11/19/22 00:22	11/14/22	
Aroclor 1221	28 U	70	28	1	11/19/22 00:22	11/14/22	
Aroclor 1232	20 U	35	20	1	11/19/22 00:22	11/14/22	
Aroclor 1242	18 U	35	18	1	11/19/22 00:22	11/14/22	
Aroclor 1248	19 U	35	19	1	11/19/22 00:22	11/14/22	
Aroclor 1254	18 U	35	18	1	11/19/22 00:22	11/14/22	
Aroclor 1260	18 U	35	18	1	11/19/22 00:22	11/14/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	21 *	22 - 128	11/19/22 00:22	*
Tetrachloro-m-xylene	36	14 - 119	11/19/22 00:22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/01/22 11:10
Sample Matrix:	Soil	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-TMW-01-16-17-20221101	**Units:**	ug/Kg
Lab Code:	R2210625-013	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	18 U	34	18	1	11/28/22 21:06	11/22/22	*
Aroclor 1221	27 U	69	27	1	11/28/22 21:06	11/22/22	*
Aroclor 1232	20 U	34	20	1	11/28/22 21:06	11/22/22	*
Aroclor 1242	18 U	34	18	1	11/28/22 21:06	11/22/22	*
Aroclor 1248	19 U	34	19	1	11/28/22 21:06	11/22/22	*
Aroclor 1254	18 U	34	18	1	11/28/22 21:06	11/22/22	*
Aroclor 1260	18 U	34	18	1	11/28/22 21:06	11/22/22	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	41	22 - 128	11/28/22 21:06	
Tetrachloro-m-xylene	75	14 - 119	11/28/22 21:06	

Metals

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Form 1

Inorganic Analysis Data Sheet

Metals by EPA 6010C, EPA 7470A, EPA 7471B

Workorder

R2210625

Client

Anchor QEA, LLC

Project

John Street SC

12/07/2022

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Form 1 - Inorganic Analysis Data Sheet

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C, EPA 7470A

R2210625-002			Collected	Received	Matrix
JSSC-TMW-01-20221101			11/01/22 1320	11/03/22 0930	Water

Analyte	Units	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	PrepBatch
Aluminum, Total	ug/L	P	80	J	30	100	1	11/12/22 00:29	RPAES06_785279	409813
Antimony, Total	ug/L	P	8	J	7	60	1	11/12/22 00:29	RPAES06_785279	409813
Arsenic, Total	ug/L	P	219		6	10	1	11/12/22 00:29	RPAES06_785279	409813
Barium, Total	ug/L	P	218		3	20	1	11/12/22 00:29	RPAES06_785279	409813
Beryllium, Total	ug/L	P	0.2	U	0.2	3.0	1	11/12/22 00:29	RPAES06_785279	409813
Cadmium, Total	ug/L	P	0.4	U	0.4	5.0	1	11/12/22 00:29	RPAES06_785279	409813
Calcium, Total	ug/L	P	53600		300	1000	1	11/12/22 00:29	RPAES06_785279	409813
Chromium, Total	ug/L	P	64		2	10	1	11/12/22 00:29	RPAES06_785279	409813
Cobalt, Total	ug/L	P	1	J	0.9	50	1	11/12/22 00:29	RPAES06_785279	409813
Copper, Total	ug/L	P	4	U	4	20	1	11/12/22 00:29	RPAES06_785279	409813
Iron, Total	ug/L	P	150		70	100	1	11/12/22 00:29	RPAES06_785279	409813
Lead, Total	ug/L	P	3	U	3	50	1	11/12/22 00:29	RPAES06_785279	409813
Magnesium, Total	ug/L	P	4800		30	1000	1	11/12/22 00:29	RPAES06_785279	409813
Manganese, Total	ug/L	P	48		4	10	1	11/12/22 00:29	RPAES06_785279	409813
Mercury, Total	ug/L	CV	0.42		0.08	0.20	1	11/11/22 13:58	RCVAA02_785008	409804
Nickel, Total	ug/L	P	3	U	3	40	1	11/12/22 00:29	RPAES06_785279	409813
Potassium, Total	ug/L	P	10500		400	2000	1	11/12/22 00:29	RPAES06_785279	409813
Selenium, Total	ug/L	P	7	U	7	10	1	11/12/22 00:29	RPAES06_785279	409813
Silver, Total	ug/L	P	0.6	U	0.6	10	1	11/12/22 00:29	RPAES06_785279	409813
Sodium, Total	ug/L	P	184000		200	1000	1	11/12/22 00:29	RPAES06_785279	409813
Thallium, Total	ug/L	P	7	U	7	10	1	11/12/22 00:29	RPAES06_785279	409813
Vanadium, Total	ug/L	P	6	J	0.7	50	1	11/12/22 00:29	RPAES06_785279	409813
Zinc, Total	ug/L	P	3	U	3	20	1	11/12/22 00:29	RPAES06_785279	409813

MC - Method Class CV - Cold Vapor/AA P - ICP/AES MS - ICP/MS

Form 1 - Inorganic Analysis Data Sheet

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C, EPA 7470A

R2210625-003			Collected	Received	Matrix
JSSC-TMW-01-20221101-DISS			11/01/22 1320	11/03/22 0930	Water

Analyte	Units	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	PrepBatch
Aluminum, Dissolved	ug/L	P	30	U	30	100	1	11/12/22 00:32	RPAES06_785279	409813
Antimony, Dissolved	ug/L	P	7	U	7	60	1	11/12/22 00:32	RPAES06_785279	409813
Arsenic, Dissolved	ug/L	P	224		6	10	1	11/12/22 00:32	RPAES06_785279	409813
Barium, Dissolved	ug/L	P	219		3	20	1	11/12/22 00:32	RPAES06_785279	409813
Beryllium, Dissolved	ug/L	P	0.2	U	0.2	3.0	1	11/12/22 00:32	RPAES06_785279	409813
Cadmium, Dissolved	ug/L	P	0.4	U	0.4	5.0	1	11/12/22 00:32	RPAES06_785279	409813
Calcium, Dissolved	ug/L	P	53700		300	1000	1	11/12/22 00:32	RPAES06_785279	409813
Chromium, Dissolved	ug/L	P	66		2	10	1	11/12/22 00:32	RPAES06_785279	409813
Cobalt, Dissolved	ug/L	P	0.9	U	0.9	50	1	11/12/22 00:32	RPAES06_785279	409813
Copper, Dissolved	ug/L	P	4	U	4	20	1	11/12/22 00:32	RPAES06_785279	409813
Iron, Dissolved	ug/L	P	900		70	100	1	11/12/22 00:32	RPAES06_785279	409813
Lead, Dissolved	ug/L	P	3	U	3	50	1	11/12/22 00:32	RPAES06_785279	409813
Magnesium, Dissolved	ug/L	P	4800		30	1000	1	11/12/22 00:32	RPAES06_785279	409813
Manganese, Dissolved	ug/L	P	53		4	10	1	11/12/22 00:32	RPAES06_785279	409813
Mercury, Dissolved	ug/L	CV	0.27		0.08	0.20	1	11/11/22 14:00	RCVAA02_785008	409804
Nickel, Dissolved	ug/L	P	3	U	3	40	1	11/12/22 00:32	RPAES06_785279	409813
Potassium, Dissolved	ug/L	P	10400		400	2000	1	11/12/22 00:32	RPAES06_785279	409813
Selenium, Dissolved	ug/L	P	7	U	7	10	1	11/12/22 00:32	RPAES06_785279	409813
Silver, Dissolved	ug/L	P	0.6	U	0.6	10	1	11/12/22 00:32	RPAES06_785279	409813
Sodium, Dissolved	ug/L	P	184000		200	1000	1	11/12/22 00:32	RPAES06_785279	409813
Thallium, Dissolved	ug/L	P	7	U	7	10	1	11/12/22 00:32	RPAES06_785279	409813
Vanadium, Dissolved	ug/L	P	0.7	U	0.7	50	1	11/12/22 00:32	RPAES06_785279	409813
Zinc, Dissolved	ug/L	P	3	U	3	20	1	11/12/22 00:32	RPAES06_785279	409813

MC - Method Class CV - Cold Vapor/AA P - ICP/AES MS - ICP/MS

Form 1 - Inorganic Analysis Data Sheet

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C, EPA 7470A

R2210625-004	Collected	Received	Matrix
JSSC-TMW-01-DUP-20221101	11/01/22 1320	11/03/22 0930	Water

Analyte	Units	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	PrepBatch
Aluminum, Total	ug/L	P	120		30	100	1	11/12/22 00:36	RPAES06_785279	409813
Antimony, Total	ug/L	P	7	U	7	60	1	11/12/22 00:36	RPAES06_785279	409813
Arsenic, Total	ug/L	P	217		6	10	1	11/12/22 00:36	RPAES06_785279	409813
Barium, Total	ug/L	P	216		3	20	1	11/12/22 00:36	RPAES06_785279	409813
Beryllium, Total	ug/L	P	0.2	U	0.2	3.0	1	11/12/22 00:36	RPAES06_785279	409813
Cadmium, Total	ug/L	P	0.4	U	0.4	5.0	1	11/12/22 00:36	RPAES06_785279	409813
Calcium, Total	ug/L	P	53100		300	1000	1	11/12/22 00:36	RPAES06_785279	409813
Chromium, Total	ug/L	P	64		2	10	1	11/12/22 00:36	RPAES06_785279	409813
Cobalt, Total	ug/L	P	0.9	U	0.9	50	1	11/12/22 00:36	RPAES06_785279	409813
Copper, Total	ug/L	P	4	U	4	20	1	11/12/22 00:36	RPAES06_785279	409813
Iron, Total	ug/L	P	230		70	100	1	11/12/22 00:36	RPAES06_785279	409813
Lead, Total	ug/L	P	3	U	3	50	1	11/12/22 00:36	RPAES06_785279	409813
Magnesium, Total	ug/L	P	4800		30	1000	1	11/12/22 00:36	RPAES06_785279	409813
Manganese, Total	ug/L	P	48		4	10	1	11/12/22 00:36	RPAES06_785279	409813
Mercury, Total	ug/L	CV	0.39		0.08	0.20	1	11/11/22 14:02	RCVAA02_785008	409804
Nickel, Total	ug/L	P	3	U	3	40	1	11/12/22 00:36	RPAES06_785279	409813
Potassium, Total	ug/L	P	10500		400	2000	1	11/12/22 00:36	RPAES06_785279	409813
Selenium, Total	ug/L	P	7	U	7	10	1	11/12/22 00:36	RPAES06_785279	409813
Silver, Total	ug/L	P	0.6	U	0.6	10	1	11/12/22 00:36	RPAES06_785279	409813
Sodium, Total	ug/L	P	185000		200	1000	1	11/12/22 00:36	RPAES06_785279	409813
Thallium, Total	ug/L	P	7	U	7	10	1	11/12/22 00:36	RPAES06_785279	409813
Vanadium, Total	ug/L	P	6	J	0.7	50	1	11/12/22 00:36	RPAES06_785279	409813
Zinc, Total	ug/L	P	3	U	3	20	1	11/12/22 00:36	RPAES06_785279	409813

MC - Method Class CV - Cold Vapor/AA P - ICP/AES MS - ICP/MS

Form 1 - Inorganic Analysis Data Sheet

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C, EPA 7470A

R2210625-005			Collected	Received	Matrix
JSSC-TMW-01-DUP-20221101-DISS			11/01/22 1320	11/03/22 0930	Water

Analyte	Units	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	PrepBatch
Aluminum, Dissolved	ug/L	P	30	U	30	100	1	11/12/22 00:39	RPAES06_785279	409813
Antimony, Dissolved	ug/L	P	7	U	7	60	1	11/12/22 00:39	RPAES06_785279	409813
Arsenic, Dissolved	ug/L	P	219		6	10	1	11/12/22 00:39	RPAES06_785279	409813
Barium, Dissolved	ug/L	P	220		3	20	1	11/12/22 00:39	RPAES06_785279	409813
Beryllium, Dissolved	ug/L	P	0.2	U	0.2	3.0	1	11/12/22 00:39	RPAES06_785279	409813
Cadmium, Dissolved	ug/L	P	0.4	U	0.4	5.0	1	11/12/22 00:39	RPAES06_785279	409813
Calcium, Dissolved	ug/L	P	54300		300	1000	1	11/12/22 00:39	RPAES06_785279	409813
Chromium, Dissolved	ug/L	P	65		2	10	1	11/12/22 00:39	RPAES06_785279	409813
Cobalt, Dissolved	ug/L	P	0.9	U	0.9	50	1	11/12/22 00:39	RPAES06_785279	409813
Copper, Dissolved	ug/L	P	4	U	4	20	1	11/12/22 00:39	RPAES06_785279	409813
Iron, Dissolved	ug/L	P	70	U	70	100	1	11/12/22 00:39	RPAES06_785279	409813
Lead, Dissolved	ug/L	P	3	U	3	50	1	11/12/22 00:39	RPAES06_785279	409813
Magnesium, Dissolved	ug/L	P	4900		30	1000	1	11/12/22 00:39	RPAES06_785279	409813
Manganese, Dissolved	ug/L	P	44		4	10	1	11/12/22 00:39	RPAES06_785279	409813
Mercury, Dissolved	ug/L	CV	0.27		0.08	0.20	1	11/11/22 14:04	RCVAA02_785008	409804
Nickel, Dissolved	ug/L	P	3	U	3	40	1	11/12/22 00:39	RPAES06_785279	409813
Potassium, Dissolved	ug/L	P	10500		400	2000	1	11/12/22 00:39	RPAES06_785279	409813
Selenium, Dissolved	ug/L	P	7	U	7	10	1	11/12/22 00:39	RPAES06_785279	409813
Silver, Dissolved	ug/L	P	0.6	U	0.6	10	1	11/12/22 00:39	RPAES06_785279	409813
Sodium, Dissolved	ug/L	P	184000		200	1000	1	11/12/22 00:39	RPAES06_785279	409813
Thallium, Dissolved	ug/L	P	7	U	7	10	1	11/12/22 00:39	RPAES06_785279	409813
Vanadium, Dissolved	ug/L	P	0.7	U	0.7	50	1	11/12/22 00:39	RPAES06_785279	409813
Zinc, Dissolved	ug/L	P	3	U	3	20	1	11/12/22 00:39	RPAES06_785279	409813

MC - Method Class CV - Cold Vapor/AA P - ICP/AES MS - ICP/MS

Form 1 - Inorganic Analysis Data Sheet

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C, EPA 7470A

R2210625-006			Collected	Received	Matrix
JSSC-MW-07-20221102			11/02/22 0835	11/03/22 0930	Water

Analyte	Units	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	PrepBatch
Aluminum, Total	ug/L	P	250		30	100	1	11/12/22 00:42	RPAES06_785279	409813
Antimony, Total	ug/L	P	7	U	7	60	1	11/12/22 00:42	RPAES06_785279	409813
Arsenic, Total	ug/L	P	20		6	10	1	11/12/22 00:42	RPAES06_785279	409813
Barium, Total	ug/L	P	270		3	20	1	11/12/22 00:42	RPAES06_785279	409813
Beryllium, Total	ug/L	P	0.2	U	0.2	3.0	1	11/12/22 00:42	RPAES06_785279	409813
Cadmium, Total	ug/L	P	0.4	U	0.4	5.0	1	11/12/22 00:42	RPAES06_785279	409813
Calcium, Total	ug/L	P	62300		300	1000	1	11/12/22 00:42	RPAES06_785279	409813
Chromium, Total	ug/L	P	2	U	2	10	1	11/12/22 00:42	RPAES06_785279	409813
Cobalt, Total	ug/L	P	0.9	U	0.9	50	1	11/12/22 00:42	RPAES06_785279	409813
Copper, Total	ug/L	P	4	U	4	20	1	11/12/22 00:42	RPAES06_785279	409813
Iron, Total	ug/L	P	640		70	100	1	11/12/22 00:42	RPAES06_785279	409813
Lead, Total	ug/L	P	3	U	3	50	1	11/12/22 00:42	RPAES06_785279	409813
Magnesium, Total	ug/L	P	13600		30	1000	1	11/12/22 00:42	RPAES06_785279	409813
Manganese, Total	ug/L	P	1660		4	10	1	11/12/22 00:42	RPAES06_785279	409813
Mercury, Total	ug/L	CV	0.08	U	0.08	0.20	1	11/11/22 14:06	RCVAA02_785008	409804
Nickel, Total	ug/L	P	15	J	3	40	1	11/12/22 00:42	RPAES06_785279	409813
Potassium, Total	ug/L	P	7700		400	2000	1	11/12/22 00:42	RPAES06_785279	409813
Selenium, Total	ug/L	P	7	U	7	10	1	11/12/22 00:42	RPAES06_785279	409813
Silver, Total	ug/L	P	0.6	U	0.6	10	1	11/12/22 00:42	RPAES06_785279	409813
Sodium, Total	ug/L	P	66400		200	1000	1	11/12/22 00:42	RPAES06_785279	409813
Thallium, Total	ug/L	P	7	U	7	10	1	11/17/22 21:05	RPAES06_785805	409813
Vanadium, Total	ug/L	P	3	J	0.7	50	1	11/12/22 00:42	RPAES06_785279	409813
Zinc, Total	ug/L	P	3	J	3	20	1	11/12/22 00:42	RPAES06_785279	409813

MC - Method Class CV - Cold Vapor/AA P - ICP/AES MS - ICP/MS

Form 1 - Inorganic Analysis Data Sheet

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C, EPA 7470A

R2210625-007	Collected	Received	Matrix
JSSC-MW-07-20221102-DISS	11/02/22 0835	11/03/22 0930	Water

Analyte	Units	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	PrepBatch
Aluminum, Dissolved	ug/L	P	30	U	30	100	1	11/12/22 00:45	RPAES06_785279	409813
Antimony, Dissolved	ug/L	P	7	U	7	60	1	11/12/22 00:45	RPAES06_785279	409813
Arsenic, Dissolved	ug/L	P	14		6	10	1	11/17/22 21:08	RPAES06_785805	409813
Barium, Dissolved	ug/L	P	211		3	20	1	11/12/22 00:45	RPAES06_785279	409813
Beryllium, Dissolved	ug/L	P	0.2	U	0.2	3.0	1	11/12/22 00:45	RPAES06_785279	409813
Cadmium, Dissolved	ug/L	P	0.4	U	0.4	5.0	1	11/12/22 00:45	RPAES06_785279	409813
Calcium, Dissolved	ug/L	P	62100		300	1000	1	11/12/22 00:45	RPAES06_785279	409813
Chromium, Dissolved	ug/L	P	2	U	2	10	1	11/12/22 00:45	RPAES06_785279	409813
Cobalt, Dissolved	ug/L	P	0.9	U	0.9	50	1	11/12/22 00:45	RPAES06_785279	409813
Copper, Dissolved	ug/L	P	4	U	4	20	1	11/12/22 00:45	RPAES06_785279	409813
Iron, Dissolved	ug/L	P	90	J	70	100	1	11/12/22 00:45	RPAES06_785279	409813
Lead, Dissolved	ug/L	P	3	U	3	50	1	11/12/22 00:45	RPAES06_785279	409813
Magnesium, Dissolved	ug/L	P	13400		30	1000	1	11/12/22 00:45	RPAES06_785279	409813
Manganese, Dissolved	ug/L	P	4	U	4	10	1	11/12/22 00:45	RPAES06_785279	409813
Mercury, Dissolved	ug/L	CV	0.08	U	0.08	0.20	1	11/11/22 14:08	RCVAA02_785008	409804
Nickel, Dissolved	ug/L	P	3	U	3	40	1	11/12/22 00:45	RPAES06_785279	409813
Potassium, Dissolved	ug/L	P	7600		400	2000	1	11/12/22 00:45	RPAES06_785279	409813
Selenium, Dissolved	ug/L	P	7	U	7	10	1	11/12/22 00:45	RPAES06_785279	409813
Silver, Dissolved	ug/L	P	0.6	U	0.6	10	1	11/12/22 00:45	RPAES06_785279	409813
Sodium, Dissolved	ug/L	P	66700		200	1000	1	11/12/22 00:45	RPAES06_785279	409813
Thallium, Dissolved	ug/L	P	7	U	7	10	1	11/12/22 00:45	RPAES06_785279	409813
Vanadium, Dissolved	ug/L	P	0.7	U	0.7	50	1	11/12/22 00:45	RPAES06_785279	409813
Zinc, Dissolved	ug/L	P	3	U	3	20	1	11/12/22 00:45	RPAES06_785279	409813

MC - Method Class CV - Cold Vapor/AA P - ICP/AES MS - ICP/MS

Form 1 - Inorganic Analysis Data Sheet

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C, EPA 7470A

R2210625-008			Collected	Received	Matrix
JSSC-HW-10-20221102			11/02/22 0940	11/03/22 0930	Water

Analyte	Units	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	PrepBatch
Aluminum, Total	ug/L	P	70	J	30	100	1	11/12/22 00:49	RPAES06_785279	409813
Antimony, Total	ug/L	P	7	U	7	60	1	11/12/22 00:49	RPAES06_785279	409813
Arsenic, Total	ug/L	P	42		6	10	1	11/12/22 00:49	RPAES06_785279	409813
Barium, Total	ug/L	P	384		3	20	1	11/12/22 00:49	RPAES06_785279	409813
Beryllium, Total	ug/L	P	0.2	U	0.2	3.0	1	11/12/22 00:49	RPAES06_785279	409813
Cadmium, Total	ug/L	P	0.5	J	0.4	5.0	1	11/12/22 00:49	RPAES06_785279	409813
Calcium, Total	ug/L	P	75900		300	1000	1	11/12/22 00:49	RPAES06_785279	409813
Chromium, Total	ug/L	P	12		2	10	1	11/12/22 00:49	RPAES06_785279	409813
Cobalt, Total	ug/L	P	0.9	U	0.9	50	1	11/12/22 00:49	RPAES06_785279	409813
Copper, Total	ug/L	P	6	J	4	20	1	11/12/22 00:49	RPAES06_785279	409813
Iron, Total	ug/L	P	430		70	100	1	11/12/22 00:49	RPAES06_785279	409813
Lead, Total	ug/L	P	3	U	3	50	1	11/12/22 00:49	RPAES06_785279	409813
Magnesium, Total	ug/L	P	8100		30	1000	1	11/12/22 00:49	RPAES06_785279	409813
Manganese, Total	ug/L	P	3530		4	10	1	11/12/22 00:49	RPAES06_785279	409813
Mercury, Total	ug/L	CV	0.17	J	0.08	0.20	1	11/11/22 14:14	RCVAA02_785008	409804
Nickel, Total	ug/L	P	3	U	3	40	1	11/12/22 00:49	RPAES06_785279	409813
Potassium, Total	ug/L	P	8200		400	2000	1	11/12/22 00:49	RPAES06_785279	409813
Selenium, Total	ug/L	P	7	U	7	10	1	11/12/22 00:49	RPAES06_785279	409813
Silver, Total	ug/L	P	0.6	U	0.6	10	1	11/12/22 00:49	RPAES06_785279	409813
Sodium, Total	ug/L	P	114000		200	1000	1	11/12/22 00:49	RPAES06_785279	409813
Thallium, Total	ug/L	P	7	U	7	10	1	11/12/22 00:49	RPAES06_785279	409813
Vanadium, Total	ug/L	P	4	J	0.7	50	1	11/12/22 00:49	RPAES06_785279	409813
Zinc, Total	ug/L	P	9	J	3	20	1	11/12/22 00:49	RPAES06_785279	409813

MC - Method Class CV - Cold Vapor/AA P - ICP/AES MS - ICP/MS

Form 1 - Inorganic Analysis Data Sheet

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C, EPA 7470A

R2210625-009			Collected	Received	Matrix
JSSC-HW-10-20221102-DISS			11/02/22 0940	11/03/22 0930	Water

Analyte	Units	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	PrepBatch
Aluminum, Dissolved	ug/L	P	30	U	30	100	1	11/12/22 01:11	RPAES06_785279	409813
Antimony, Dissolved	ug/L	P	7	U	7	60	1	11/12/22 01:11	RPAES06_785279	409813
Arsenic, Dissolved	ug/L	P	33		6	10	1	11/12/22 01:11	RPAES06_785279	409813
Barium, Dissolved	ug/L	P	225		3	20	1	11/12/22 01:11	RPAES06_785279	409813
Beryllium, Dissolved	ug/L	P	0.2	U	0.2	3.0	1	11/12/22 01:11	RPAES06_785279	409813
Cadmium, Dissolved	ug/L	P	0.4	U	0.4	5.0	1	11/12/22 01:11	RPAES06_785279	409813
Calcium, Dissolved	ug/L	P	75100		300	1000	1	11/12/22 01:11	RPAES06_785279	409813
Chromium, Dissolved	ug/L	P	10		2	10	1	11/12/22 01:11	RPAES06_785279	409813
Cobalt, Dissolved	ug/L	P	0.9	U	0.9	50	1	11/12/22 01:11	RPAES06_785279	409813
Copper, Dissolved	ug/L	P	4	U	4	20	1	11/12/22 01:11	RPAES06_785279	409813
Iron, Dissolved	ug/L	P	160		70	100	1	11/12/22 01:11	RPAES06_785279	409813
Lead, Dissolved	ug/L	P	3	U	3	50	1	11/12/22 01:11	RPAES06_785279	409813
Magnesium, Dissolved	ug/L	P	8100		30	1000	1	11/12/22 01:11	RPAES06_785279	409813
Manganese, Dissolved	ug/L	P	441		4	10	1	11/12/22 01:11	RPAES06_785279	409813
Mercury, Dissolved	ug/L	CV	0.08	U	0.08	0.20	1	11/11/22 14:20	RCVAA02_785008	409804
Nickel, Dissolved	ug/L	P	3	U	3	40	1	11/12/22 01:11	RPAES06_785279	409813
Potassium, Dissolved	ug/L	P	7700		400	2000	1	11/12/22 01:11	RPAES06_785279	409813
Selenium, Dissolved	ug/L	P	7	U	7	10	1	11/12/22 01:11	RPAES06_785279	409813
Silver, Dissolved	ug/L	P	0.6	U	0.6	10	1	11/12/22 01:11	RPAES06_785279	409813
Sodium, Dissolved	ug/L	P	112000		200	1000	1	11/12/22 01:11	RPAES06_785279	409813
Thallium, Dissolved	ug/L	P	7	U	7	10	1	11/17/22 21:18	RPAES06_785805	409813
Vanadium, Dissolved	ug/L	P	0.7	U	0.7	50	1	11/12/22 01:11	RPAES06_785279	409813
Zinc, Dissolved	ug/L	P	3	U	3	20	1	11/12/22 01:11	RPAES06_785279	409813

MC - Method Class CV - Cold Vapor/AA P - ICP/AES MS - ICP/MS

Form 1 - Inorganic Analysis Data Sheet

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C, EPA 7470A

R2210625-010		Collected	Received	Matrix
JSSC-EB-110222		11/02/22 1030	11/03/22 0930	Water

Analyte	Units	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	PrepBatch
Aluminum, Total	ug/L	P	30	U	30	100	1	11/12/22 01:28	RPAES06_785279	409813
Antimony, Total	ug/L	P	7	U	7	60	1	11/12/22 01:28	RPAES06_785279	409813
Arsenic, Total	ug/L	P	6	U	6	10	1	11/12/22 01:28	RPAES06_785279	409813
Barium, Total	ug/L	P	3	U	3	20	1	11/12/22 01:28	RPAES06_785279	409813
Beryllium, Total	ug/L	P	0.2	U	0.2	3.0	1	11/12/22 01:28	RPAES06_785279	409813
Cadmium, Total	ug/L	P	0.4	U	0.4	5.0	1	11/12/22 01:28	RPAES06_785279	409813
Calcium, Total	ug/L	P	300	U	300	1000	1	11/12/22 01:28	RPAES06_785279	409813
Chromium, Total	ug/L	P	2	U	2	10	1	11/12/22 01:28	RPAES06_785279	409813
Cobalt, Total	ug/L	P	0.9	U	0.9	50	1	11/12/22 01:28	RPAES06_785279	409813
Copper, Total	ug/L	P	4	U	4	20	1	11/12/22 01:28	RPAES06_785279	409813
Iron, Total	ug/L	P	70	U	70	100	1	11/12/22 01:28	RPAES06_785279	409813
Lead, Total	ug/L	P	3	U	3	50	1	11/12/22 01:28	RPAES06_785279	409813
Magnesium, Total	ug/L	P	30	U	30	1000	1	11/12/22 01:28	RPAES06_785279	409813
Manganese, Total	ug/L	P	4	U	4	10	1	11/12/22 01:28	RPAES06_785279	409813
Mercury, Total	ug/L	CV	0.08	U	0.08	0.20	1	11/11/22 14:26	RCVAA02_785008	409804
Nickel, Total	ug/L	P	3	U	3	40	1	11/12/22 01:28	RPAES06_785279	409813
Potassium, Total	ug/L	P	400	U	400	2000	1	11/12/22 01:28	RPAES06_785279	409813
Selenium, Total	ug/L	P	7	U	7	10	1	11/12/22 01:28	RPAES06_785279	409813
Silver, Total	ug/L	P	0.6	U	0.6	10	1	11/12/22 01:28	RPAES06_785279	409813
Sodium, Total	ug/L	P	200	U	200	1000	1	11/12/22 01:28	RPAES06_785279	409813
Thallium, Total	ug/L	P	7	U	7	10	1	11/12/22 01:28	RPAES06_785279	409813
Vanadium, Total	ug/L	P	0.7	U	0.7	50	1	11/12/22 01:28	RPAES06_785279	409813
Zinc, Total	ug/L	P	3	U	3	20	1	11/12/22 01:28	RPAES06_785279	409813

MC - Method Class CV - Cold Vapor/AA P - ICP/AES MS - ICP/MS

Form 1 - Inorganic Analysis Data Sheet

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C, EPA 7470A

R2210625-011			Collected	Received	Matrix
JSSC-EB-110222-DISS			11/02/22 1030	11/03/22 0930	Water

Analyte	Units	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	PrepBatch
Aluminum, Dissolved	ug/L	P	30	U	30	100	1	11/12/22 01:37	RPAES06_785279	409813
Antimony, Dissolved	ug/L	P	7	U	7	60	1	11/12/22 01:37	RPAES06_785279	409813
Arsenic, Dissolved	ug/L	P	6	U	6	10	1	11/12/22 01:37	RPAES06_785279	409813
Barium, Dissolved	ug/L	P	3	U	3	20	1	11/12/22 01:37	RPAES06_785279	409813
Beryllium, Dissolved	ug/L	P	0.2	U	0.2	3.0	1	11/12/22 01:37	RPAES06_785279	409813
Cadmium, Dissolved	ug/L	P	0.4	U	0.4	5.0	1	11/12/22 01:37	RPAES06_785279	409813
Calcium, Dissolved	ug/L	P	300	U	300	1000	1	11/12/22 01:37	RPAES06_785279	409813
Chromium, Dissolved	ug/L	P	2	U	2	10	1	11/12/22 01:37	RPAES06_785279	409813
Cobalt, Dissolved	ug/L	P	0.9	U	0.9	50	1	11/12/22 01:37	RPAES06_785279	409813
Copper, Dissolved	ug/L	P	4	U	4	20	1	11/12/22 01:37	RPAES06_785279	409813
Iron, Dissolved	ug/L	P	70	U	70	100	1	11/12/22 01:37	RPAES06_785279	409813
Lead, Dissolved	ug/L	P	3	U	3	50	1	11/12/22 01:37	RPAES06_785279	409813
Magnesium, Dissolved	ug/L	P	30	U	30	1000	1	11/12/22 01:37	RPAES06_785279	409813
Manganese, Dissolved	ug/L	P	4	U	4	10	1	11/12/22 01:37	RPAES06_785279	409813
Mercury, Dissolved	ug/L	CV	0.08	U	0.08	0.20	1	11/11/22 14:28	RCVAA02_785008	409804
Nickel, Dissolved	ug/L	P	3	U	3	40	1	11/12/22 01:37	RPAES06_785279	409813
Potassium, Dissolved	ug/L	P	400	U	400	2000	1	11/12/22 01:37	RPAES06_785279	409813
Selenium, Dissolved	ug/L	P	7	U	7	10	1	11/12/22 01:37	RPAES06_785279	409813
Silver, Dissolved	ug/L	P	0.6	U	0.6	10	1	11/12/22 01:37	RPAES06_785279	409813
Sodium, Dissolved	ug/L	P	200	U	200	1000	1	11/12/22 01:37	RPAES06_785279	409813
Thallium, Dissolved	ug/L	P	7	U	7	10	1	11/12/22 01:37	RPAES06_785279	409813
Vanadium, Dissolved	ug/L	P	0.7	U	0.7	50	1	11/12/22 01:37	RPAES06_785279	409813
Zinc, Dissolved	ug/L	P	3	U	3	20	1	11/12/22 01:37	RPAES06_785279	409813

MC - Method Class CV - Cold Vapor/AA P - ICP/AES MS - ICP/MS

Form 1 - Inorganic Analysis Data Sheet

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C, EPA 7471B

R2210625-013	Collected	Received	Matrix	Basis	%Solid
JSSC-TMW-01-16-17-20221101	11/01/22 1110	11/03/22 0930	Soil	Dry	95.4

Analyte	Units	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	PrepBatch
Aluminum, Total	mg/Kg	P	4120		12	19	1	11/16/22 05:13	RPAES06_785474	409690
Antimony, Total	mg/Kg	P	0.6	U	0.6	5.7	1	11/16/22 05:13	RPAES06_785474	409690
Arsenic, Total	mg/Kg	P	20.0		0.70	0.95	1	11/16/22 05:13	RPAES06_785474	409690
Barium, Total	mg/Kg	P	41.0		1.5	1.9	1	11/16/22 05:13	RPAES06_785474	409690
Beryllium, Total	mg/Kg	P	0.22	J	0.03	0.29	1	11/16/22 05:13	RPAES06_785474	409690
Cadmium, Total	mg/Kg	P	0.09	U	0.09	0.48	1	11/16/22 05:13	RPAES06_785474	409690
Calcium, Total	mg/Kg	P	2660		32	95	1	11/16/22 05:13	RPAES06_785474	409690
Chromium, Total	mg/Kg	P	44.2		0.35	0.95	1	11/16/22 05:13	RPAES06_785474	409690
Cobalt, Total	mg/Kg	P	4.1	J	0.09	4.8	1	11/16/22 05:13	RPAES06_785474	409690
Copper, Total	mg/Kg	P	19.3		0.2	1.9	1	11/16/22 05:13	RPAES06_785474	409690
Iron, Total	mg/Kg	P	11100		130	190	10	11/16/22 06:28	RPAES06_785474	409690
Lead, Total	mg/Kg	P	19.8		0.4	4.8	1	11/16/22 05:13	RPAES06_785474	409690
Magnesium, Total	mg/Kg	P	3230		13	95	1	11/16/22 05:13	RPAES06_785474	409690
Manganese, Total	mg/Kg	P	201		0.2	1.9	1	11/16/22 05:13	RPAES06_785474	409690
Mercury, Total	mg/Kg	CV	0.054		0.014	0.021	1	11/11/22 09:34	RCVAA02_784978	409744
Nickel, Total	mg/Kg	P	20.9		0.7	3.8	1	11/16/22 05:13	RPAES06_785474	409690
Potassium, Total	mg/Kg	P	990		50	190	1	11/16/22 05:13	RPAES06_785474	409690
Selenium, Total	mg/Kg	P	0.54	U	0.54	0.95	1	11/16/22 05:13	RPAES06_785474	409690
Silver, Total	mg/Kg	P	0.09	U	0.09	0.95	1	11/16/22 05:13	RPAES06_785474	409690
Sodium, Total	mg/Kg	P	369		19	95	1	11/16/22 05:13	RPAES06_785474	409690
Thallium, Total	mg/Kg	P	0.65	U	0.65	0.95	1	11/16/22 05:13	RPAES06_785474	409690
Vanadium, Total	mg/Kg	P	20.6		0.07	4.8	1	11/16/22 05:13	RPAES06_785474	409690
Zinc, Total	mg/Kg	P	26.8		1.4	1.9	1	11/16/22 05:13	RPAES06_785474	409690

MC - Method Class CV - Cold Vapor/AA P - ICP/AES MS - ICP/MS

Form 1 - Inorganic Analysis Data Sheet

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C, EPA 7471B

R2210625-MB1

Matrix Soil **Basis** Dry

Method Blank

Analyte	Units	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	PrepBatch
Aluminum, Total	mg/Kg	P	12	U	12	20	1	11/16/22 05:04	RPAES06_785474	409690
Antimony, Total	mg/Kg	P	0.6	U	0.6	6.0	1	11/16/22 05:04	RPAES06_785474	409690
Arsenic, Total	mg/Kg	P	0.7	U	0.7	1.0	1	11/16/22 05:04	RPAES06_785474	409690
Barium, Total	mg/Kg	P	1.5	U	1.5	2.0	1	11/16/22 05:04	RPAES06_785474	409690
Beryllium, Total	mg/Kg	P	0.03	U	0.03	0.30	1	11/16/22 05:04	RPAES06_785474	409690
Cadmium, Total	mg/Kg	P	0.09	U	0.09	0.50	1	11/16/22 05:04	RPAES06_785474	409690
Calcium, Total	mg/Kg	P	40	U	40	100	1	11/16/22 05:04	RPAES06_785474	409690
Chromium, Total	mg/Kg	P	0.4	U	0.4	1.0	1	11/16/22 05:04	RPAES06_785474	409690
Cobalt, Total	mg/Kg	P	0.09	U	0.09	5.0	1	11/16/22 05:04	RPAES06_785474	409690
Copper, Total	mg/Kg	P	0.2	U	0.2	2.0	1	11/16/22 05:04	RPAES06_785474	409690
Iron, Total	mg/Kg	P	13	U	13	20	1	11/16/22 05:04	RPAES06_785474	409690
Lead, Total	mg/Kg	P	0.4	U	0.4	5.0	1	11/16/22 05:04	RPAES06_785474	409690
Magnesium, Total	mg/Kg	P	20	U	20	100	1	11/16/22 05:04	RPAES06_785474	409690
Manganese, Total	mg/Kg	P	0.2	U	0.2	2.0	1	11/16/22 05:04	RPAES06_785474	409690
Mercury, Total	mg/Kg	CV	0.013	U	0.013	0.020	1	11/11/22 09:05	RCVAA02_784978	409744
Nickel, Total	mg/Kg	P	0.7	U	0.7	4.0	1	11/16/22 05:04	RPAES06_785474	409690
Potassium, Total	mg/Kg	P	50	U	50	200	1	11/16/22 05:04	RPAES06_785474	409690
Selenium, Total	mg/Kg	P	0.6	U	0.6	1.0	1	11/16/22 05:04	RPAES06_785474	409690
Silver, Total	mg/Kg	P	0.09	U	0.09	1.0	1	11/16/22 05:04	RPAES06_785474	409690
Sodium, Total	mg/Kg	P	20	U	20	100	1	11/16/22 05:04	RPAES06_785474	409690
Thallium, Total	mg/Kg	P	0.7	U	0.7	1.0	1	11/16/22 05:04	RPAES06_785474	409690
Vanadium, Total	mg/Kg	P	0.07	U	0.07	5.0	1	11/16/22 05:04	RPAES06_785474	409690
Zinc, Total	mg/Kg	P	1.4	U	1.4	2.0	1	11/16/22 05:04	RPAES06_785474	409690

MC - Method Class CV - Cold Vapor/AA P - ICP/AES MS - ICP/MS

Form 1 - Inorganic Analysis Data Sheet

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C, EPA 7470A

R2210625-MB2

Matrix

Method Blank

Water

Analyte	Units	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	PrepBatch
Aluminum, Dissolved	ug/L	P	30	U	30	100	1	11/12/22 00:19	RPAES06_785279	409813
Aluminum, Total	ug/L	P	30	U	30	100	1	11/12/22 00:19	RPAES06_785279	409813
Antimony, Dissolved	ug/L	P	7	U	7	60	1	11/12/22 00:19	RPAES06_785279	409813
Antimony, Total	ug/L	P	7	U	7	60	1	11/12/22 00:19	RPAES06_785279	409813
Arsenic, Dissolved	ug/L	P	6	U	6	10	1	11/12/22 00:19	RPAES06_785279	409813
Arsenic, Total	ug/L	P	6	U	6	10	1	11/12/22 00:19	RPAES06_785279	409813
Barium, Dissolved	ug/L	P	3	U	3	20	1	11/12/22 00:19	RPAES06_785279	409813
Barium, Total	ug/L	P	3	U	3	20	1	11/12/22 00:19	RPAES06_785279	409813
Beryllium, Dissolved	ug/L	P	0.2	U	0.2	3.0	1	11/12/22 00:19	RPAES06_785279	409813
Beryllium, Total	ug/L	P	0.2	U	0.2	3.0	1	11/12/22 00:19	RPAES06_785279	409813
Cadmium, Dissolved	ug/L	P	0.4	U	0.4	5.0	1	11/12/22 00:19	RPAES06_785279	409813
Cadmium, Total	ug/L	P	0.4	U	0.4	5.0	1	11/12/22 00:19	RPAES06_785279	409813
Calcium, Dissolved	ug/L	P	300	U	300	1000	1	11/12/22 00:19	RPAES06_785279	409813
Calcium, Total	ug/L	P	300	U	300	1000	1	11/12/22 00:19	RPAES06_785279	409813
Chromium, Dissolved	ug/L	P	2	U	2	10	1	11/12/22 00:19	RPAES06_785279	409813
Chromium, Total	ug/L	P	2	U	2	10	1	11/12/22 00:19	RPAES06_785279	409813
Cobalt, Dissolved	ug/L	P	0.9	U	0.9	50	1	11/12/22 00:19	RPAES06_785279	409813
Cobalt, Total	ug/L	P	0.9	U	0.9	50	1	11/12/22 00:19	RPAES06_785279	409813
Copper, Dissolved	ug/L	P	4	U	4	20	1	11/12/22 00:19	RPAES06_785279	409813
Copper, Total	ug/L	P	4	U	4	20	1	11/12/22 00:19	RPAES06_785279	409813
Iron, Dissolved	ug/L	P	70	U	70	100	1	11/12/22 00:19	RPAES06_785279	409813
Iron, Total	ug/L	P	70	U	70	100	1	11/12/22 00:19	RPAES06_785279	409813
Lead, Dissolved	ug/L	P	3	U	3	50	1	11/12/22 00:19	RPAES06_785279	409813
Lead, Total	ug/L	P	3	U	3	50	1	11/12/22 00:19	RPAES06_785279	409813
Magnesium, Dissolved	ug/L	P	30	U	30	1000	1	11/12/22 00:19	RPAES06_785279	409813
Magnesium, Total	ug/L	P	30	U	30	1000	1	11/12/22 00:19	RPAES06_785279	409813
Manganese, Dissolved	ug/L	P	4	U	4	10	1	11/12/22 00:19	RPAES06_785279	409813
Manganese, Total	ug/L	P	4	U	4	10	1	11/12/22 00:19	RPAES06_785279	409813
Mercury, Dissolved	ug/L	CV	0.08	U	0.08	0.20	1	11/11/22 13:52	RCVAA02_785008	409804
Mercury, Total	ug/L	CV	0.08	U	0.08	0.20	1	11/11/22 13:52	RCVAA02_785008	409804
Nickel, Dissolved	ug/L	P	3	U	3	40	1	11/12/22 00:19	RPAES06_785279	409813
Nickel, Total	ug/L	P	3	U	3	40	1	11/12/22 00:19	RPAES06_785279	409813
Potassium, Dissolved	ug/L	P	400	U	400	2000	1	11/12/22 00:19	RPAES06_785279	409813

MC - Method Class CV - Cold Vapor/AA P - ICP/AES MS - ICP/MS

Form 1 - Inorganic Analysis Data Sheet

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C, EPA 7470A

R2210625-MB2

Matrix
Water

Method Blank

Analyte	Units	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	PrepBatch
Potassium, Total	ug/L	P	400	U	400	2000	1	11/12/22 00:19	RPAES06_785279	409813
Selenium, Dissolved	ug/L	P	7	U	7	10	1	11/12/22 00:19	RPAES06_785279	409813
Selenium, Total	ug/L	P	7	U	7	10	1	11/12/22 00:19	RPAES06_785279	409813
Silver, Dissolved	ug/L	P	0.6	U	0.6	10	1	11/12/22 00:19	RPAES06_785279	409813
Silver, Total	ug/L	P	0.6	U	0.6	10	1	11/12/22 00:19	RPAES06_785279	409813
Sodium, Dissolved	ug/L	P	200	U	200	1000	1	11/12/22 00:19	RPAES06_785279	409813
Sodium, Total	ug/L	P	200	U	200	1000	1	11/12/22 00:19	RPAES06_785279	409813
Thallium, Dissolved	ug/L	P	7	U	7	10	1	11/12/22 00:19	RPAES06_785279	409813
Thallium, Total	ug/L	P	8	J	7	10	1	11/12/22 00:19	RPAES06_785279	409813
Vanadium, Dissolved	ug/L	P	0.7	U	0.7	50	1	11/12/22 00:19	RPAES06_785279	409813
Vanadium, Total	ug/L	P	0.7	U	0.7	50	1	11/12/22 00:19	RPAES06_785279	409813
Zinc, Dissolved	ug/L	P	3	U	3	20	1	11/12/22 00:19	RPAES06_785279	409813
Zinc, Total	ug/L	P	3	U	3	20	1	11/12/22 00:19	RPAES06_785279	409813

MC - Method Class CV - Cold Vapor/AA P - ICP/AES MS - ICP/MS

Form 1 - Inorganic Analysis Data Sheet

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C, EPA 7470A

R2210625-MB3

Matrix

Method Blank

Water

Analyte	Units	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	PrepBatch
Aluminum, Dissolved	ug/L	P	30	U	30	100	1	11/12/22 00:23	RPAES06_785279	409813
Antimony, Dissolved	ug/L	P	7	U	7	60	1	11/12/22 00:23	RPAES06_785279	409813
Arsenic, Dissolved	ug/L	P	6	U	6	10	1	11/12/22 00:23	RPAES06_785279	409813
Barium, Dissolved	ug/L	P	3	U	3	20	1	11/12/22 00:23	RPAES06_785279	409813
Beryllium, Dissolved	ug/L	P	0.2	U	0.2	3.0	1	11/12/22 00:23	RPAES06_785279	409813
Cadmium, Dissolved	ug/L	P	0.4	U	0.4	5.0	1	11/12/22 00:23	RPAES06_785279	409813
Calcium, Dissolved	ug/L	P	300	U	300	1000	1	11/12/22 00:23	RPAES06_785279	409813
Chromium, Dissolved	ug/L	P	2	U	2	10	1	11/12/22 00:23	RPAES06_785279	409813
Cobalt, Dissolved	ug/L	P	0.9	U	0.9	50	1	11/12/22 00:23	RPAES06_785279	409813
Copper, Dissolved	ug/L	P	4	U	4	20	1	11/12/22 00:23	RPAES06_785279	409813
Iron, Dissolved	ug/L	P	70	U	70	100	1	11/12/22 00:23	RPAES06_785279	409813
Lead, Dissolved	ug/L	P	3	U	3	50	1	11/12/22 00:23	RPAES06_785279	409813
Magnesium, Dissolved	ug/L	P	30	U	30	1000	1	11/12/22 00:23	RPAES06_785279	409813
Manganese, Dissolved	ug/L	P	4	U	4	10	1	11/12/22 00:23	RPAES06_785279	409813
Mercury, Dissolved	ug/L	CV	0.08	U	0.08	0.20	1	11/11/22 13:56	RCVAA02_785008	409804
Nickel, Dissolved	ug/L	P	3	U	3	40	1	11/12/22 00:23	RPAES06_785279	409813
Potassium, Dissolved	ug/L	P	400	U	400	2000	1	11/12/22 00:23	RPAES06_785279	409813
Selenium, Dissolved	ug/L	P	7	U	7	10	1	11/12/22 00:23	RPAES06_785279	409813
Silver, Dissolved	ug/L	P	0.6	U	0.6	10	1	11/12/22 00:23	RPAES06_785279	409813
Sodium, Dissolved	ug/L	P	200	U	200	1000	1	11/12/22 00:23	RPAES06_785279	409813
Thallium, Dissolved	ug/L	P	7	U	7	10	1	11/12/22 00:23	RPAES06_785279	409813
Vanadium, Dissolved	ug/L	P	0.7	U	0.7	50	1	11/12/22 00:23	RPAES06_785279	409813
Zinc, Dissolved	ug/L	P	3	U	3	20	1	11/12/22 00:23	RPAES06_785279	409813

MC - Method Class CV - Cold Vapor/AA P - ICP/AES MS - ICP/MS

General Chemistry

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/01/22 11:10
Sample Matrix:	Soil	**Date Received:**	11/03/22 09:30
Sample Name:	JSSC-TMW-01-16-17-20221101	**Basis:**	As Received
Lab Code:	R2210625-013		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**95.4**	Percent	-	-	1	11/10/22 05:15	

QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
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www.alsglobal.com

Client: Anchor QEA, LLC **Service Request:** R2210625
Project: John Street SC/E.10921.03.01
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85-122	Dibromofluoromethane 80-116	Toluene-d8 87-121
JSSC-TMW-01-20221101	R2210625-002	105	104	100
JSSC-TMW-01-DUP-20221101	R2210625-004	103	101	98
JSSC-MW-07-20221102	R2210625-006	104	104	101
JSSC-HW-10-20221102	R2210625-008	105	105	101
JSSC-EB-110222	R2210625-010	107	105	101
JSSC-TB-110222	R2210625-012	104	104	100
Method Blank	RQ2214359-04	106	106	100
Lab Control Sample	RQ2214359-03	105	106	100
JSSC-HW-10-20221102 MS	RQ2214359-05	106	106	101
JSSC-HW-10-20221102 DMS	RQ2214359-06	108	108	101

Client: Anchor QEA, LLC **Service Request:** R2210625
Project: John Street SC/E.10921.03.01
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5035A

		4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
Sample Name	**Lab Code**	**31-154**	**63-138**	**66-138**
JSSC-TMW-01-16-17-20221101	R2210625-013	94	94	95
Method Blank	RQ2213967-04	90	92	96
Lab Control Sample	RQ2213967-03	99	97	100

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22
Sample Matrix:	Water	**Date Received:**	11/03/22
		Date Analyzed:	11/15/22
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	JSSC-HW-10-20221102	**Units:**	ug/L
Lab Code:	R2210625-008	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2214359-05			Duplicate Matrix Spike RQ2214359-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1,2-Tetrachloroethane	0.20 U	53.3	50.0	107	55.9	50.0	112	68-146	5	30
1,1,1-Trichloroethane (TCA)	0.20 U	53.8	50.0	108	53.6	50.0	107	74-127	<1	30
1,1,2,2-Tetrachloroethane	0.20 U	46.1	50.0	92	47.0	50.0	94	72-122	2	30
1,1,2-Trichloroethane	0.20 U	52.0	50.0	104	52.7	50.0	105	82-121	1	30
1,1-Dichloroethane (1,1-DCA)	0.20 U	48.5	50.0	97	48.4	50.0	97	74-132	<1	30
1,1-Dichloroethene (1,1-DCE)	0.20 U	51.7	50.0	103	51.1	50.0	102	71-118	1	30
1,1-Dichloropropene	0.20 U	51.9	50.0	104	53.2	50.0	106	76-118	3	30
1,2,3-Trichlorobenzene	0.25 U	52.4	50.0	105	54.2	50.0	108	59-129	3	30
1,2,3-Trichloropropane	0.26 U	50.1	50.0	100	50.6	50.0	101	75-122	<1	30
1,2,4-Trichlorobenzene	0.34 U	51.4	50.0	103	53.8	50.0	108	69-122	5	30
1,2,4-Trimethylbenzene	0.20 U	50.6	50.0	101	51.4	50.0	103	73-133	2	30
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	50.1	50.0	100	52.1	50.0	104	37-150	4	30
1,2-Dibromoethane	0.20 U	51.8	50.0	104	53.2	50.0	106	67-127	3	30
1,2-Dichlorobenzene	0.20 U	49.6	50.0	99	50.3	50.0	101	77-120	1	30
1,2-Dichloroethane	0.20 U	55.9	50.0	112	57.2	50.0	114	68-130	2	30
1,2-Dichloropropane	0.20 U	47.2	50.0	94	46.9	50.0	94	79-124	<1	30
1,3,5-Trimethylbenzene	0.20 U	51.1	50.0	102	51.9	50.0	104	81-131	2	30
1,3-Dichlorobenzene	0.20 U	50.4	50.0	101	50.4	50.0	101	83-121	<1	30
1,3-Dichloropropane	0.20 U	50.3	50.0	101	50.8	50.0	102	79-117	<1	30
1,4-Dichlorobenzene	0.20 U	50.0	50.0	100	51.2	50.0	102	82-120	2	30
1,4-Dioxane	13 U	1150	1000	115	694	1000	69	44-154	49*	30
2,2-Dichloropropane	0.24 U	31.2	50.0	62	30.8	50.0	62	46-138	1	30
2-Butanone (MEK)	0.78 U	40.5	50.0	81	40.8	50.0	82	61-137	<1	30
2-Chlorotoluene	0.20 U	47.3	50.0	95	47.9	50.0	96	79-126	1	30
2-Hexanone	0.20 U	49.0	50.0	98	49.1	50.0	98	56-132	<1	30
4-Chlorotoluene	0.20 U	46.9	50.0	94	48.2	50.0	96	72-132	3	30
4-Isopropyltoluene	0.20 U	50.6	50.0	101	52.4	50.0	105	78-133	3	30
4-Methyl-2-pentanone	0.20 U	48.6	50.0	97	49.2	50.0	98	60-141	1	30
Acetone	5.0 U	49.8	50.0	100	49.5	50.0	99	35-183	<1	30
Acrylonitrile	0.90 U	212	250	85	214	250	86	69-131	<1	30
Benzene	0.20 U	51.2	50.0	102	52.1	50.0	104	76-129	2	30
Bromobenzene	0.20 U	48.8	50.0	98	49.4	50.0	99	79-121	1	30
Bromochloromethane	0.20 U	51.4	50.0	103	50.9	50.0	102	80-122	1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22
Sample Matrix:	Water	**Date Received:**	11/03/22
		Date Analyzed:	11/15/22
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	JSSC-HW-10-20221102	**Units:**	ug/L
Lab Code:	R2210625-008	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2214359-05			RQ2214359-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Bromodichloromethane	0.20 U	51.4	50.0	103	52.4	50.0	105	78-133	2	30
Bromoform	0.25 U	52.3	50.0	105	54.0	50.0	108	58-133	3	30
Bromomethane	0.70 U	49.1	50.0	98	53.7	50.0	107	10-184	9	30
Carbon Disulfide	0.42 U	38.0	50.0	76	39.1	50.0	78	59-140	3	30
Carbon Tetrachloride	0.34 U	59.3	50.0	119	59.9	50.0	120	65-135	<1	30
Chlorobenzene	0.20 U	49.6	50.0	99	50.7	50.0	101	76-125	2	30
Chloroethane	0.23 U	36.0	50.0	72	39.2	50.0	78	48-146	8	30
Chloroform	0.24 U	50.1	50.0	100	50.5	50.0	101	75-130	<1	30
Chloromethane	0.28 U	48.3	50.0	97	48.2	50.0	96	55-160	<1	30
Dibromochloromethane	0.20 U	52.8	50.0	106	54.4	50.0	109	72-128	3	30
Dibromomethane	0.20 U	52.8	50.0	106	53.8	50.0	108	77-119	2	30
Dichlorodifluoromethane (CFC 12)	0.21 U	36.3	50.0	73	36.0	50.0	72	49-154	<1	30
Methylene Chloride	0.69 J	46.6	50.0	92	45.4	50.0	90	73-122	2	30
Diethyl Ether	0.20 U	43.2	50.0	86	44.2	50.0	88	78-127	2	30
Ethylbenzene	0.20 U	53.6	50.0	107	54.2	50.0	108	72-134	<1	30
Hexachlorobutadiene	0.33 U	53.9	50.0	108	54.9	50.0	110	54-172	2	30
Isopropylbenzene (Cumene)	0.20 U	55.7	50.0	111	56.5	50.0	113	77-128	1	30
Methyl tert-Butyl Ether	0.20 U	47.0	50.0	94	47.9	50.0	96	75-119	2	30
Naphthalene	0.55 U	56.8	50.0	114	57.8	50.0	116	57-153	2	30
Styrene	0.20 U	51.5	50.0	103	52.1	50.0	104	74-136	1	30
Tetrachloroethene (PCE)	0.21 U	57.3	50.0	115	58.7	50.0	117	72-125	2	30
Toluene	0.20 U	53.4	50.0	107	54.4	50.0	109	79-119	2	30
Trichloroethene (TCE)	0.20 U	54.3	50.0	109	56.0	50.0	112	74-122	3	30
Trichlorofluoromethane (CFC 11)	0.24 U	53.8	50.0	108	53.1	50.0	106	71-136	1	30
Vinyl Acetate	1.1 U	33.7	50.0	67	33.7	50.0	67	48-172	<1	30
Vinyl Chloride	0.20 U	37.1	50.0	74	36.8	50.0	74	74-159	<1	30
Xylenes, Total	0.23 U	160	150	107	163	150	109	78-121	2	30
cis-1,2-Dichloroethene	0.23 U	49.5	50.0	99	50.0	50.0	100	77-127	1	30
cis-1,3-Dichloropropene	0.20 U	48.1	50.0	96	49.7	50.0	99	52-134	3	30
m,p-Xylenes	0.20 U	107	100	107	109	100	109	80-126	2	30
n-Butylbenzene	0.20 U	49.9	50.0	100	51.7	50.0	103	78-133	3	30
n-Propylbenzene	0.20 U	47.0	50.0	94	47.6	50.0	95	78-131	1	30
o-Xylene	0.20 U	52.7	50.0	105	54.0	50.0	108	79-123	2	30

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Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22
Sample Matrix:	Water	**Date Received:**	11/03/22
		Date Analyzed:	11/15/22
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	JSSC-HW-10-20221102	**Units:**	ug/L
Lab Code:	R2210625-008	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2214359-05			Duplicate Matrix Spike RQ2214359-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
sec-Butylbenzene	0.20 U	48.2	50.0	96	49.7	50.0	99	75-129	3	30
tert-Butylbenzene	0.20 U	50.1	50.0	100	50.8	50.0	102	68-127	1	30
trans-1,2-Dichloroethene	0.20 U	49.5	50.0	99	49.2	50.0	98	73-118	<1	30
trans-1,3-Dichloropropene	0.23 U	49.6	50.0	99	51.5	50.0	103	71-133	4	30
trans-1,4-Dichloro-2-butene	0.78 U	56.3	50.0	113	59.1	50.0	118	27-155	5	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2213967-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	5.0	0.20	1	11/07/22 12:36	
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	11/07/22 12:36	
1,1,2,2-Tetrachloroethane	0.44 U	5.0	0.44	1	11/07/22 12:36	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	11/07/22 12:36	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	11/07/22 12:36	
1,1-Dichloroethene (1,1-DCE)	0.29 U	5.0	0.29	1	11/07/22 12:36	
1,1-Dichloropropene	0.20 U	5.0	0.20	1	11/07/22 12:36	
1,2,3-Trichlorobenzene	0.52 U	5.0	0.52	1	11/07/22 12:36	
1,2,3-Trichloropropane	0.20 U	5.0	0.20	1	11/07/22 12:36	
1,2,4-Trichlorobenzene	0.42 U	5.0	0.42	1	11/07/22 12:36	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	11/07/22 12:36	
1,2-Dibromo-3-chloropropane (DBCP)	0.75 U	5.0	0.75	1	11/07/22 12:36	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	11/07/22 12:36	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	11/07/22 12:36	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	11/07/22 12:36	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	11/07/22 12:36	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	11/07/22 12:36	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	11/07/22 12:36	
1,3-Dichloropropane	0.20 U	5.0	0.20	1	11/07/22 12:36	
1,4-Dichlorobenzene	0.22 U	5.0	0.22	1	11/07/22 12:36	
1,4-Dioxane	20 U	100	20	1	11/07/22 12:36	
2,2-Dichloropropane	0.20 U	5.0	0.20	1	11/07/22 12:36	
2-Butanone (MEK)	2.0 U	5.0	2.0	1	11/07/22 12:36	
2-Chlorotoluene	0.20 U	5.0	0.20	1	11/07/22 12:36	
2-Hexanone	0.36 U	5.0	0.36	1	11/07/22 12:36	
4-Chlorotoluene	0.20 U	5.0	0.20	1	11/07/22 12:36	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	11/07/22 12:36	
4-Methyl-2-pentanone	0.23 U	5.0	0.23	1	11/07/22 12:36	
Acetone	15 U	25	15	1	11/07/22 12:36	
Acrylonitrile	0.89 U	25	0.89	1	11/07/22 12:36	
Benzene	0.20 U	5.0	0.20	1	11/07/22 12:36	
Bromobenzene	0.20 U	5.0	0.20	1	11/07/22 12:36	
Bromochloromethane	0.20 U	5.0	0.20	1	11/07/22 12:36	
Bromodichloromethane	0.20 U	5.0	0.20	1	11/07/22 12:36	
Bromoform	0.50 U	5.0	0.50	1	11/07/22 12:36	
Bromomethane	2.1 U	5.0	2.1	1	11/07/22 12:36	
Carbon Disulfide	0.29 U	5.0	0.29	1	11/07/22 12:36	
Carbon Tetrachloride	0.26 U	5.0	0.26	1	11/07/22 12:36	
Chlorobenzene	0.20 U	5.0	0.20	1	11/07/22 12:36	
Chloroethane	0.41 U	5.0	0.41	1	11/07/22 12:36	
Chloroform	0.20 U	5.0	0.20	1	11/07/22 12:36	
Chloromethane	1.4 U	5.0	1.4	1	11/07/22 12:36	
Dibromochloromethane	0.20 U	5.0	0.20	1	11/07/22 12:36	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2213967-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.20 U	5.0	0.20	1	11/07/22 12:36	
Dichlorodifluoromethane (CFC 12)	0.33 U	5.0	0.33	1	11/07/22 12:36	
Methylene Chloride	2.8 U	5.0	2.8	1	11/07/22 12:36	
Diethyl Ether	0.25 U	5.0	0.25	1	11/07/22 12:36	
Ethylbenzene	1.0 U	5.0	1.0	1	11/07/22 12:36	
Hexachlorobutadiene	0.47 U	5.0	0.47	1	11/07/22 12:36	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	11/07/22 12:36	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	11/07/22 12:36	
Naphthalene	0.99 U	5.0	0.99	1	11/07/22 12:36	
Styrene	1.0 U	5.0	1.0	1	11/07/22 12:36	
Tetrachloroethene (PCE)	0.23 U	5.0	0.23	1	11/07/22 12:36	
Toluene	2.0 U	5.0	2.0	1	11/07/22 12:36	
Trichloroethene (TCE)	0.22 U	5.0	0.22	1	11/07/22 12:36	
Trichlorofluoromethane (CFC 11)	0.26 U	5.0	0.26	1	11/07/22 12:36	
Vinyl Acetate	0.78 U	10	0.78	1	11/07/22 12:36	
Vinyl Chloride	0.46 U	5.0	0.46	1	11/07/22 12:36	
Xylenes, Total	2.0 U	15	2.0	1	11/07/22 12:36	
cis-1,2-Dichloroethene	0.20 U	5.0	0.20	1	11/07/22 12:36	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	11/07/22 12:36	
m,p-Xylenes	2.0 U	10	2.0	1	11/07/22 12:36	
n-Butylbenzene	0.20 U	5.0	0.20	1	11/07/22 12:36	
n-Propylbenzene	0.20 U	5.0	0.20	1	11/07/22 12:36	
o-Xylene	1.0 U	5.0	1.0	1	11/07/22 12:36	
sec-Butylbenzene	0.20 U	5.0	0.20	1	11/07/22 12:36	
tert-Butylbenzene	0.20 U	5.0	0.20	1	11/07/22 12:36	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	11/07/22 12:36	
trans-1,3-Dichloropropene	0.20 U	5.0	0.20	1	11/07/22 12:36	
trans-1,4-Dichloro-2-butene	0.22 U	5.0	0.22	1	11/07/22 12:36	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	31 - 154	11/07/22 12:36	
Dibromofluoromethane	92	63 - 138	11/07/22 12:36	
Toluene-d8	96	66 - 138	11/07/22 12:36	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2214359-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.20 U	5.0	0.20	1	11/15/22 00:38	
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	11/15/22 00:38	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	11/15/22 00:38	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	11/15/22 00:38	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	11/15/22 00:38	
1,1-Dichloroethene (1,1-DCE)	0.20 U	5.0	0.20	1	11/15/22 00:38	
1,1-Dichloropropene	0.20 U	5.0	0.20	1	11/15/22 00:38	
1,2,3-Trichlorobenzene	0.25 U	5.0	0.25	1	11/15/22 00:38	
1,2,3-Trichloropropane	0.26 U	5.0	0.26	1	11/15/22 00:38	
1,2,4-Trichlorobenzene	0.34 U	5.0	0.34	1	11/15/22 00:38	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	11/15/22 00:38	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	11/15/22 00:38	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	11/15/22 00:38	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	11/15/22 00:38	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	11/15/22 00:38	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	11/15/22 00:38	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	11/15/22 00:38	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	11/15/22 00:38	
1,3-Dichloropropane	0.20 U	5.0	0.20	1	11/15/22 00:38	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	11/15/22 00:38	
1,4-Dioxane	13 U	100	13	1	11/15/22 00:38	
2,2-Dichloropropane	0.24 U	5.0	0.24	1	11/15/22 00:38	
2-Butanone (MEK)	0.78 U	10	0.78	1	11/15/22 00:38	
2-Chlorotoluene	0.20 U	5.0	0.20	1	11/15/22 00:38	
2-Hexanone	0.20 U	10	0.20	1	11/15/22 00:38	
4-Chlorotoluene	0.20 U	5.0	0.20	1	11/15/22 00:38	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	11/15/22 00:38	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	11/15/22 00:38	
Acetone	5.0 U	10	5.0	1	11/15/22 00:38	
Acrylonitrile	0.90 U	100	0.90	1	11/15/22 00:38	
Benzene	0.20 U	5.0	0.20	1	11/15/22 00:38	
Bromobenzene	0.20 U	5.0	0.20	1	11/15/22 00:38	
Bromochloromethane	0.20 U	5.0	0.20	1	11/15/22 00:38	
Bromodichloromethane	0.20 U	5.0	0.20	1	11/15/22 00:38	
Bromoform	0.25 U	5.0	0.25	1	11/15/22 00:38	
Bromomethane	0.70 U	5.0	0.70	1	11/15/22 00:38	
Carbon Disulfide	0.42 U	10	0.42	1	11/15/22 00:38	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	11/15/22 00:38	
Chlorobenzene	0.20 U	5.0	0.20	1	11/15/22 00:38	
Chloroethane	0.23 U	5.0	0.23	1	11/15/22 00:38	
Chloroform	0.24 U	5.0	0.24	1	11/15/22 00:38	
Chloromethane	0.28 U	5.0	0.28	1	11/15/22 00:38	
Dibromochloromethane	0.20 U	5.0	0.20	1	11/15/22 00:38	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2214359-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Dibromomethane	0.20 U	5.0	0.20	1	11/15/22 00:38	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	11/15/22 00:38	
Methylene Chloride	0.65 U	5.0	0.65	1	11/15/22 00:38	
Diethyl Ether	0.20 U	5.0	0.20	1	11/15/22 00:38	
Ethylbenzene	0.20 U	5.0	0.20	1	11/15/22 00:38	
Hexachlorobutadiene	0.33 U	5.0	0.33	1	11/15/22 00:38	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	11/15/22 00:38	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	11/15/22 00:38	
Naphthalene	0.55 U	5.0	0.55	1	11/15/22 00:38	
Styrene	0.20 U	5.0	0.20	1	11/15/22 00:38	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	11/15/22 00:38	
Toluene	0.20 U	5.0	0.20	1	11/15/22 00:38	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	11/15/22 00:38	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	11/15/22 00:38	
Vinyl Acetate	1.1 U	10	1.1	1	11/15/22 00:38	
Vinyl Chloride	0.20 U	5.0	0.20	1	11/15/22 00:38	
Xylenes, Total	0.23 U	5.0	0.23	1	11/15/22 00:38	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	11/15/22 00:38	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	11/15/22 00:38	
m,p-Xylenes	0.20 U	5.0	0.20	1	11/15/22 00:38	
n-Butylbenzene	0.20 U	5.0	0.20	1	11/15/22 00:38	
n-Propylbenzene	0.20 U	5.0	0.20	1	11/15/22 00:38	
o-Xylene	0.20 U	5.0	0.20	1	11/15/22 00:38	
sec-Butylbenzene	0.20 U	5.0	0.20	1	11/15/22 00:38	
tert-Butylbenzene	0.20 U	5.0	0.20	1	11/15/22 00:38	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	11/15/22 00:38	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	11/15/22 00:38	
trans-1,4-Dichloro-2-butene	0.78 U	5.0	0.78	1	11/15/22 00:38	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	106	85 - 122	11/15/22 00:38	
Dibromofluoromethane	106	80 - 116	11/15/22 00:38	
Toluene-d8	100	87 - 121	11/15/22 00:38	

Client: Anchor QEA, LLC
Project: John Street SC/E.10921.03.01
Sample Matrix: Soil

Service Request: R2210625
Date Analyzed: 11/07/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

Lab Control Sample
RQ2213967-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	8260C	17.4	20.0	87	69-127
1,1,1-Trichloroethane (TCA)	8260C	17.3	20.0	87	68-123
1,1,2,2-Tetrachloroethane	8260C	18.8	20.0	94	78-121
1,1,2-Trichloroethane	8260C	19.5	20.0	98	84-117
1,1-Dichloroethane (1,1-DCA)	8260C	18.6	20.0	93	76-123
1,1-Dichloroethene (1,1-DCE)	8260C	20.4	20.0	102	65-115
1,1-Dichloropropene	8260C	18.0	20.0	90	66-119
1,2,3-Trichlorobenzene	8260C	16.7	20.0	83	60-128
1,2,3-Trichloropropane	8260C	19.1	20.0	96	78-115
1,2,4-Trichlorobenzene	8260C	16.7	20.0	84	62-130
1,2,4-Trimethylbenzene	8260C	18.4	20.0	92	67-121
1,2-Dibromo-3-chloropropane (DBCP)	8260C	16.4	20.0	82	54-135
1,2-Dibromoethane	8260C	18.5	20.0	93	77-117
1,2-Dichlorobenzene	8260C	17.2	20.0	86	75-116
1,2-Dichloroethane	8260C	16.7	20.0	84	74-116
1,2-Dichloropropane	8260C	18.4	20.0	92	79-112
1,3,5-Trimethylbenzene	8260C	18.7	20.0	93	66-122
1,3-Dichlorobenzene	8260C	17.8	20.0	89	72-118
1,3-Dichloropropane	8260C	18.8	20.0	94	82-111
1,4-Dichlorobenzene	8260C	17.7	20.0	89	72-117
1,4-Dioxane	8260C	339	400	85	59-147
2,2-Dichloropropane	8260C	17.3	20.0	86	53-131
2-Butanone (MEK)	8260C	17.5	20.0	88	67-129
2-Chlorotoluene	8260C	17.7	20.0	89	70-120
2-Hexanone	8260C	17.9	20.0	90	68-118
4-Chlorotoluene	8260C	17.6	20.0	88	72-120
4-Isopropyltoluene	8260C	18.7	20.0	93	58-128
4-Methyl-2-pentanone	8260C	18.3	20.0	91	64-123
Acetone	8260C	20.6 J	20.0	103	32-154
Acrylonitrile	8260C	88.2	100	88	71-124
Benzene	8260C	19.3	20.0	96	77-114
Bromobenzene	8260C	18.0	20.0	90	78-116
Bromochloromethane	8260C	17.6	20.0	88	78-117

Client: Anchor QEA, LLC
Project: John Street SC/E.10921.03.01
Sample Matrix: Soil

Service Request: R2210625
Date Analyzed: 11/07/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

Lab Control Sample
RQ2213967-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromodichloromethane	8260C	16.8	20.0	84	72-118
Bromoform	8260C	16.9	20.0	84	55-134
Bromomethane	8260C	20.4	20.0	102	10-150
Carbon Disulfide	8260C	17.0	20.0	85	44-139
Carbon Tetrachloride	8260C	16.8	20.0	84	51-123
Chlorobenzene	8260C	17.4	20.0	87	79-115
Chloroethane	8260C	13.7	20.0	69	10-140
Chloroform	8260C	17.6	20.0	88	76-115
Chloromethane	8260C	14.0	20.0	70	10-131
Dibromochloromethane	8260C	17.9	20.0	90	68-121
Dibromomethane	8260C	18.2	20.0	91	29-115
Dichlorodifluoromethane (CFC 12)	8260C	10.2	20.0	51	51-144
Methylene Chloride	8260C	16.9	20.0	85	72-118
Diethyl Ether	8260C	18.9	20.0	95	78-127
Ethylbenzene	8260C	18.9	20.0	95	64-118
Hexachlorobutadiene	8260C	17.6	20.0	88	33-143
Isopropylbenzene (Cumene)	8260C	18.6	20.0	93	60-123
Methyl tert-Butyl Ether	8260C	18.3	20.0	91	76-118
Naphthalene	8260C	18.6	20.0	93	68-127
Styrene	8260C	19.3	20.0	96	74-117
Tetrachloroethene (PCE)	8260C	19.4	20.0	97	58-124
Toluene	8260C	19.2	20.0	96	72-116
Trichloroethene (TCE)	8260C	18.5	20.0	92	69-118
Trichlorofluoromethane (CFC 11)	8260C	17.0	20.0	85	52-127
Vinyl Acetate	8260C	16.7	20.0	83	47-159
Vinyl Chloride	8260C	12.9	20.0	65	59-153
Xylenes, Total	8260C	57.3	60.0	95	70-117
cis-1,2-Dichloroethene	8260C	18.0	20.0	90	79-113
cis-1,3-Dichloropropene	8260C	18.8	20.0	94	66-117
m,p-Xylenes	8260C	38.7	40.0	97	68-118
n-Butylbenzene	8260C	17.9	20.0	90	54-131
n-Propylbenzene	8260C	18.4	20.0	92	59-126
o-Xylene	8260C	18.6	20.0	93	71-116

Client: Anchor QEA, LLC
Project: John Street SC/E.10921.03.01
Sample Matrix: Soil

Service Request: R2210625
Date Analyzed: 11/07/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: Dry

Lab Control Sample
RQ2213967-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
sec-Butylbenzene	8260C	18.0	20.0	90	54-128
tert-Butylbenzene	8260C	18.3	20.0	92	58-123
trans-1,2-Dichloroethene	8260C	19.2	20.0	96	73-114
trans-1,3-Dichloropropene	8260C	17.7	20.0	89	57-135
trans-1,4-Dichloro-2-butene	8260C	17.7	20.0	88	35-149

Client: Anchor QEA, LLC
Project: John Street SC/E.10921.03.01
Sample Matrix: Water

Service Request: R2210625
Date Analyzed: 11/14/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2214359-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	8260C	21.9	20.0	109	76-129
1,1,1-Trichloroethane (TCA)	8260C	21.5	20.0	107	75-125
1,1,2,2-Tetrachloroethane	8260C	19.0	20.0	95	78-126
1,1,2-Trichloroethane	8260C	22.2	20.0	111	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	20.1	20.0	100	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	21.1	20.0	105	71-118
1,1-Dichloropropene	8260C	21.0	20.0	105	76-118
1,2,3-Trichlorobenzene	8260C	23.5	20.0	117	67-136
1,2,3-Trichloropropane	8260C	20.6	20.0	103	75-118
1,2,4-Trichlorobenzene	8260C	23.8	20.0	119	75-132
1,2,4-Trimethylbenzene	8260C	21.5	20.0	107	81-126
1,2-Dibromo-3-chloropropane (DBCP)	8260C	19.4	20.0	97	55-136
1,2-Dibromoethane	8260C	22.1	20.0	111	82-127
1,2-Dichlorobenzene	8260C	21.1	20.0	106	80-119
1,2-Dichloroethane	8260C	23.1	20.0	116	71-127
1,2-Dichloropropane	8260C	19.3	20.0	96	80-119
1,3,5-Trimethylbenzene	8260C	21.1	20.0	106	81-128
1,3-Dichlorobenzene	8260C	21.5	20.0	107	83-121
1,3-Dichloropropane	8260C	21.1	20.0	106	83-119
1,4-Dichlorobenzene	8260C	21.3	20.0	107	79-119
1,4-Dioxane	8260C	445	400	111	44-154
2,2-Dichloropropane	8260C	17.6	20.0	88	61-139
2-Butanone (MEK)	8260C	16.6	20.0	83	61-137
2-Chlorotoluene	8260C	19.7	20.0	98	79-124
2-Hexanone	8260C	18.2	20.0	91	63-124
4-Chlorotoluene	8260C	19.9	20.0	99	79-125
4-Isopropyltoluene	8260C	22.0	20.0	110	78-133
4-Methyl-2-pentanone	8260C	18.7	20.0	93	66-124
Acetone	8260C	18.7	20.0	94	40-161
Acrylonitrile	8260C	87.5 J	100	88	71-130
Benzene	8260C	21.0	20.0	105	79-119
Bromobenzene	8260C	20.7	20.0	103	79-121
Bromochloromethane	8260C	21.5	20.0	107	81-126

Client: Anchor QEA, LLC
Project: John Street SC/E.10921.03.01
Sample Matrix: Water

Service Request: R2210625
Date Analyzed: 11/14/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2214359-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromodichloromethane	8260C	21.3	20.0	107	81-123
Bromoform	8260C	20.9	20.0	105	65-146
Bromomethane	8260C	18.5	20.0	92	42-166
Carbon Disulfide	8260C	16.2	20.0	81	66-128
Carbon Tetrachloride	8260C	23.6	20.0	118	70-127
Chlorobenzene	8260C	20.7	20.0	103	80-121
Chloroethane	8260C	16.2	20.0	81	62-131
Chloroform	8260C	20.7	20.0	103	79-120
Chloromethane	8260C	20.7	20.0	104	65-135
Dibromochloromethane	8260C	22.0	20.0	110	72-128
Dibromomethane	8260C	21.7	20.0	109	80-118
Dichlorodifluoromethane (CFC 12)	8260C	15.0	20.0	75	59-155
Methylene Chloride	8260C	18.9	20.0	94	73-122
Diethyl Ether	8260C	19.4	20.0	97	79-127
Ethylbenzene	8260C	21.8	20.0	109	76-120
Hexachlorobutadiene	8260C	25.6	20.0	128	54-172
Isopropylbenzene (Cumene)	8260C	23.2	20.0	116	77-128
Methyl tert-Butyl Ether	8260C	20.4	20.0	102	75-118
Naphthalene	8260C	24.6	20.0	123	59-140
Styrene	8260C	22.8	20.0	114	80-124
Tetrachloroethene (PCE)	8260C	23.9	20.0	119	72-125
Toluene	8260C	21.6	20.0	108	79-119
Trichloroethene (TCE)	8260C	22.9	20.0	115	74-122
Trichlorofluoromethane (CFC 11)	8260C	21.4	20.0	107	71-136
Vinyl Acetate	8260C	17.5	20.0	88	52-174
Vinyl Chloride	8260C	14.9	20.0	74	74-159
Xylenes, Total	8260C	66.5	60.0	111	78-121
cis-1,2-Dichloroethene	8260C	20.4	20.0	102	80-121
cis-1,3-Dichloropropene	8260C	20.9	20.0	104	77-122
m,p-Xylenes	8260C	44.5	40.0	111	80-126
n-Butylbenzene	8260C	22.2	20.0	111	78-133
n-Propylbenzene	8260C	19.8	20.0	99	78-131
o-Xylene	8260C	22.1	20.0	110	79-123

Client: Anchor QEA, LLC
Project: John Street SC/E.10921.03.01
Sample Matrix: Water

Service Request: R2210625
Date Analyzed: 11/14/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2214359-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
sec-Butylbenzene	8260C	20.4	20.0	102	75-129
tert-Butylbenzene	8260C	20.5	20.0	102	76-126
trans-1,2-Dichloroethene	8260C	20.4	20.0	102	73-118
trans-1,3-Dichloropropene	8260C	21.8	20.0	109	71-133
trans-1,4-Dichloro-2-butene	8260C	25.6	20.0	128	39-137

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Anchor QEA, LLC **Service Request:** R2210625
Project: John Street SC/E.10921.03.01
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3510C

Sample Name	Lab Code	2,4,6-Tribromophenol 35-141	2-Fluorobiphenyl 31-118	2-Fluorophenol 10-105
JSSC-TMW-01-20221101	R2210625-002	88	72	60
JSSC-TMW-01-DUP-20221101	R2210625-004	90	70	50
JSSC-MW-07-20221102	R2210625-006	85	64	51
JSSC-HW-10-20221102	R2210625-008	89	80	40
JSSC-EB-110222	R2210625-010	85	67	47
Method Blank	RQ2213994-01	69	60	45
Method Blank	RQ2214068-01	69	59	48
Lab Control Sample	RQ2213994-02	79	74	50
Duplicate Lab Control Sample	RQ2213994-03	72	66	43
Lab Control Sample	RQ2214068-02	95	88	50
Duplicate Lab Control Sample	RQ2214068-03	89	77	56
JSSC-HW-10-20221102 MS	RQ2214068-04	85	79	49
JSSC-HW-10-20221102 DMS	RQ2214068-05	88	85	53

Client: Anchor QEA, LLC **Service Request:** R2210625
Project: John Street SC/E.10921.03.01
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3510C

Sample Name	Lab Code	Nitrobenzene-d5 31-110	Phenol-d6 10-107	Terphenyl-d14 10-165
JSSC-TMW-01-20221101	R2210625-002	65	36	76
JSSC-TMW-01-DUP-20221101	R2210625-004	70	34	82
JSSC-MW-07-20221102	R2210625-006	80	35	79
JSSC-HW-10-20221102	R2210625-008	84	34	83
JSSC-EB-110222	R2210625-010	71	33	95
Method Blank	RQ2213994-01	57	31	93
Method Blank	RQ2214068-01	66	30	79
Lab Control Sample	RQ2213994-02	72	32	69
Duplicate Lab Control Sample	RQ2213994-03	70	34	70
Lab Control Sample	RQ2214068-02	72	35	77
Duplicate Lab Control Sample	RQ2214068-03	84	41	90
JSSC-HW-10-20221102 MS	RQ2214068-04	80	35	55
JSSC-HW-10-20221102 DMS	RQ2214068-05	91	39	67

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22
Sample Matrix:	Water	**Date Received:**	11/03/22
		Date Analyzed:	11/10/22
		Date Extracted:	11/9/22

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	JSSC-HW-10-20221102	**Units:**	ug/L
Lab Code:	R2210625-008	**Basis:**	NA
Analysis Method:	8270D		
Prep Method:	EPA 3510C		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2214068-04			RQ2214068-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	1.2 U	26.7	35.1	76	25.6	35.1	73	15-132	4	30
2,3,4,6-Tetrachlorophenol	1.2 U	65.9	70.2	94	71.5	70.2	102	42-136	8	30
2,4,5-Trichlorophenol	1.1 U	60.6	70.2	86	64.3	70.2	92	48-134	7	30
2,4,6-Trichlorophenol	1.4 U	58.9	70.2	84	65.3	70.2	93	44-135	10	30
2,4-Dichlorophenol	1.3 U	59.2	70.2	84	65.7	70.2	94	40-130	11	30
2,4-Dimethylphenol	1.4 U	58.4	70.2	83	62.6	70.2	89	35-99	7	30
2,4-Dinitrophenol	20 U	40.0 J	70.2	57	47.9	70.2	68	21-168	18	30
2,4-Dinitrotoluene	2.4 U	62.6	70.2	89	68.4	70.2	97	37-143	9	30
2,6-Dinitrotoluene	1.4 U	66.4	70.2	95	72.7	70.2	104	39-136	9	30
2-Chloronaphthalene	1.4 U	52.6	70.2	75	56.9	70.2	81	40-108	8	30
2-Chlorophenol	1.1 U	51.3	70.2	73	55.8	70.2	80	37-112	9	30
2-Methylnaphthalene	1.3 U	47.9	70.2	68	50.3	70.2	72	34-102	6	30
2-Methylphenol	1.0 U	45.4	70.2	65	51.6	70.2	74	37-102	13	30
2-Nitroaniline	1.4 U	67.3	70.2	96	77.6	70.2	111	40-136	14	30
2-Nitrophenol	1.5 U	59.6	70.2	85	65.6	70.2	94	27-143	10	30
3,3'-Dichlorobenzidine	1.2 U	4.86 J	70.2	7 *	8.36 J	70.2	12	11-131	53*	30
3- and 4-Methylphenol Coelution	1.2 U	41.3	70.2	59	43.3	70.2	62	30-95	5	30
3-Nitroaniline	1.1 U	46.5	70.2	66	50.9	70.2	73	19-117	10	30
4,6-Dinitro-2-methylphenol	8.7 U	45.4	70.2	65	50.6	70.2	72	25-154	10	30
4-Bromophenyl Phenyl Ether	1.7 U	59.9	70.2	85	64.9	70.2	92	39-115	8	30
4-Chloro-3-methylphenol	1.1 U	61.2	70.2	87	62.6	70.2	89	41-126	2	30
4-Chloroaniline	1.0 U	30.0	70.2	43	37.3	70.2	53	19-111	21	30
4-Chlorophenyl Phenyl Ether	1.5 U	53.2	70.2	76	56.3	70.2	80	41-111	5	30
4-Nitroaniline	1.4 U	61.3	70.2	87	66.1	70.2	94	18-143	8	30
4-Nitrophenol	6.4 U	28.2 J	70.2	40	29.4 J	70.2	42	10-126	5	30
Acenaphthene	1.4 U	53.2	70.2	76	57.4	70.2	82	43-117	8	30
Acenaphthylene	1.4 U	55.9	70.2	80	60.4	70.2	86	45-119	7	30
Acetophenone	1.3 U	102	140	73	113	140	80	40-113	9	30
Anthracene	1.3 U	56.3	70.2	80	60.8	70.2	87	45-127	8	30
Atrazine	2.1 U	111	70.2	159	128	70.2	183 *	50-165	14	30
Benz(a)anthracene	1.6 U	53.7	70.2	77	58.4	70.2	83	46-126	8	30
Benzaldehyde	1.0 U	50.3	70.2	72	58.1	70.2	83	32-133	14	30
Benzo(a)pyrene	1.2 U	59.3	70.2	84	62.2	70.2	89	44-114	6	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22
Sample Matrix:	Water	**Date Received:**	11/03/22
		Date Analyzed:	11/10/22
		Date Extracted:	11/9/22

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	JSSC-HW-10-20221102	**Units:**	ug/L
Lab Code:	R2210625-008	**Basis:**	NA
Analysis Method:	8270D		
Prep Method:	EPA 3510C		

		Matrix Spike RQ2214068-04			Duplicate Matrix Spike RQ2214068-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(b)fluoranthene	1.2 U	52.4	70.2	75	56.3	70.2	80	41-127	6	30
Benzo(g,h,i)perylene	1.0 U	71.3	70.2	102	72.9	70.2	104	50-143	2	30
Benzo(k)fluoranthene	1.3 U	58.7	70.2	84	61.7	70.2	88	46-139	5	30
Biphenyl	1.4 U	48.1	70.2	69	52.3	70.2	75	10-126	8	30
2,2'-Oxybis(1-chloropropane)	1.4 U	53.0	70.2	75	58.8	70.2	84	21-126	11	30
Bis(2-chloroethoxy)methane	1.9 U	61.9	70.2	88	65.5	70.2	93	41-118	6	30
Bis(2-chloroethyl) Ether	1.3 U	51.8	70.2	74	55.7	70.2	79	33-108	7	30
Bis(2-ethylhexyl) Phthalate	7.8 U	51.1	70.2	73	55.4	70.2	79	41-132	8	30
Butyl Benzyl Phthalate	1.4 U	49.0	70.2	70	56.2	70.2	80	41-148	13	30
Caprolactam	1.0 U	21.3	70.2	30	22.5	70.2	32	10-48	6	30
Carbazole	1.6 U	69.5	70.2	99	74.9	70.2	107	39-144	8	30
Chrysene	1.2 U	57.3	70.2	82	60.4	70.2	86	47-126	5	30
Di-n-butyl Phthalate	1.7 U	65.7	70.2	94	68.4	70.2	97	43-130	3	30
Di-n-octyl Phthalate	3.3 U	51.6	70.2	74	54.2	70.2	77	40-139	4	30
Dibenz(a,h)anthracene	1.1 U	47.4	70.2	68	52.6	70.2	75	43-136	10	30
Dibenzofuran	1.4 U	55.8	70.2	80	59.7	70.2	85	46-119	6	30
Diethyl Phthalate	1.1 U	55.0	70.2	78	58.1	70.2	83	36-122	6	30
Dimethyl Phthalate	1.3 U	61.5	70.2	88	67.7	70.2	96	33-123	9	30
Fluoranthene	1.5 U	64.0	70.2	91	69.7	70.2	99	43-135	8	30
Fluorene	1.3 U	57.1	70.2	81	59.4	70.2	85	43-113	5	30
Hexachlorobenzene	1.6 U	64.8	70.2	92	66.0	70.2	94	42-125	2	30
Hexachlorobutadiene	1.0 U	41.9	70.2	60	44.5	70.2	63	10-111	5	30
Hexachlorocyclopentadiene	2.2 U	23.3	70.2	33	22.1	70.2	32	10-103	3	30
Hexachloroethane	1.1 U	40.0	70.2	57	38.2	70.2	54	12-101	5	30
Indeno(1,2,3-cd)pyrene	1.8 U	70.7	70.2	101	73.0	70.2	104	49-140	3	30
Isophorone	1.4 U	56.9	70.2	81	64.6	70.2	92	40-111	13	30
N-Nitrosodi-n-propylamine	1.2 U	54.1	70.2	77	59.6	70.2	85	35-108	10	30
N-Nitrosodiphenylamine	2.7 U	66.6	70.2	95	71.6	70.2	102	43-127	7	30
Naphthalene	1.2 U	47.7	70.2	68	50.9	70.2	73	37-108	7	30
Nitrobenzene	1.5 U	55.7	70.2	79	65.4	70.2	93	35-112	16	30
Pentachlorophenol (PCP)	9.7 U	50.2	70.2	72	57.7	70.2	82	29-164	13	30
Phenanthrene	1.4 U	59.1	70.2	84	63.5	70.2	91	46-123	8	30
Phenol	1.0 U	27.6	70.2	39	30.6	70.2	44	10-113	12	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22
Sample Matrix:	Water	**Date Received:**	11/03/22
		Date Analyzed:	11/10/22
		Date Extracted:	11/9/22

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	JSSC-HW-10-20221102	**Units:**	ug/L
Lab Code:	R2210625-008	**Basis:**	NA
Analysis Method:	8270D		
Prep Method:	EPA 3510C		

		Matrix Spike RQ2214068-04			**Duplicate Matrix Spike** RQ2214068-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	1.5 U	65.0	70.2	93	62.5	70.2	89	44-129	4	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2213994-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	1.2 U	10	1.2	1	11/10/22 17:11	11/8/22	
2,3,4,6-Tetrachlorophenol	1.2 U	10	1.2	1	11/10/22 17:11	11/8/22	
2,4,5-Trichlorophenol	1.1 U	10	1.1	1	11/10/22 17:11	11/8/22	
2,4,6-Trichlorophenol	1.4 U	10	1.4	1	11/10/22 17:11	11/8/22	
2,4-Dichlorophenol	1.3 U	10	1.3	1	11/10/22 17:11	11/8/22	
2,4-Dimethylphenol	1.4 U	10	1.4	1	11/10/22 17:11	11/8/22	
2,4-Dinitrophenol	20 U	50	20	1	11/10/22 17:11	11/8/22	
2,4-Dinitrotoluene	2.4 U	10	2.4	1	11/10/22 17:11	11/8/22	
2,6-Dinitrotoluene	1.4 U	10	1.4	1	11/10/22 17:11	11/8/22	
2-Chloronaphthalene	1.4 U	10	1.4	1	11/10/22 17:11	11/8/22	
2-Chlorophenol	1.1 U	10	1.1	1	11/10/22 17:11	11/8/22	
2-Methylnaphthalene	1.3 U	10	1.3	1	11/10/22 17:11	11/8/22	
2-Methylphenol	1.0 U	10	1.0	1	11/10/22 17:11	11/8/22	
2-Nitroaniline	1.4 U	10	1.4	1	11/10/22 17:11	11/8/22	
2-Nitrophenol	1.5 U	10	1.5	1	11/10/22 17:11	11/8/22	
3,3'-Dichlorobenzidine	1.2 U	10	1.2	1	11/10/22 17:11	11/8/22	
3- and 4-Methylphenol Coelution	1.2 U	10	1.2	1	11/10/22 17:11	11/8/22	
3-Nitroaniline	1.1 U	10	1.1	1	11/10/22 17:11	11/8/22	
4,6-Dinitro-2-methylphenol	8.7 U	50	8.7	1	11/10/22 17:11	11/8/22	
4-Bromophenyl Phenyl Ether	1.7 U	10	1.7	1	11/10/22 17:11	11/8/22	
4-Chloro-3-methylphenol	1.1 U	10	1.1	1	11/10/22 17:11	11/8/22	
4-Chloroaniline	1.0 U	10	1.0	1	11/10/22 17:11	11/8/22	
4-Chlorophenyl Phenyl Ether	1.5 U	10	1.5	1	11/10/22 17:11	11/8/22	
4-Nitroaniline	1.4 U	10	1.4	1	11/10/22 17:11	11/8/22	
4-Nitrophenol	6.4 U	50	6.4	1	11/10/22 17:11	11/8/22	
Acenaphthene	1.4 U	10	1.4	1	11/10/22 17:11	11/8/22	
Acenaphthylene	1.4 U	10	1.4	1	11/10/22 17:11	11/8/22	
Acetophenone	1.3 U	10	1.3	1	11/10/22 17:11	11/8/22	
Anthracene	1.3 U	10	1.3	1	11/10/22 17:11	11/8/22	
Atrazine	2.1 U	10	2.1	1	11/10/22 17:11	11/8/22	
Benz(a)anthracene	1.6 U	10	1.6	1	11/10/22 17:11	11/8/22	
Benzaldehyde	1.0 U	10	1.0	1	11/10/22 17:11	11/8/22	
Benzo(a)pyrene	1.2 U	10	1.2	1	11/10/22 17:11	11/8/22	
Benzo(b)fluoranthene	1.2 U	10	1.2	1	11/10/22 17:11	11/8/22	
Benzo(g,h,i)perylene	1.0 U	10	1.0	1	11/10/22 17:11	11/8/22	
Benzo(k)fluoranthene	1.3 U	10	1.3	1	11/10/22 17:11	11/8/22	
Biphenyl	1.4 U	10	1.4	1	11/10/22 17:11	11/8/22	
2,2'-Oxybis(1-chloropropane)	1.4 U	10	1.4	1	11/10/22 17:11	11/8/22	
Bis(2-chloroethoxy)methane	1.9 U	10	1.9	1	11/10/22 17:11	11/8/22	
Bis(2-chloroethyl) Ether	1.3 U	10	1.3	1	11/10/22 17:11	11/8/22	
Bis(2-ethylhexyl) Phthalate	7.8 U	10	7.8	1	11/10/22 17:11	11/8/22	
Butyl Benzyl Phthalate	1.4 U	10	1.4	1	11/10/22 17:11	11/8/22	
Caprolactam	1.0 U	10	1.0	1	11/10/22 17:11	11/8/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2213994-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	1.6 U	10	1.6	1	11/10/22 17:11	11/8/22	
Chrysene	1.2 U	10	1.2	1	11/10/22 17:11	11/8/22	
Di-n-butyl Phthalate	1.7 U	10	1.7	1	11/10/22 17:11	11/8/22	
Di-n-octyl Phthalate	3.3 U	10	3.3	1	11/10/22 17:11	11/8/22	
Dibenz(a,h)anthracene	1.1 U	10	1.1	1	11/10/22 17:11	11/8/22	
Dibenzofuran	1.4 U	10	1.4	1	11/10/22 17:11	11/8/22	
Diethyl Phthalate	1.1 U	10	1.1	1	11/10/22 17:11	11/8/22	
Dimethyl Phthalate	1.3 U	10	1.3	1	11/10/22 17:11	11/8/22	
Fluoranthene	1.5 U	10	1.5	1	11/10/22 17:11	11/8/22	
Fluorene	1.3 U	10	1.3	1	11/10/22 17:11	11/8/22	
Hexachlorobenzene	1.6 U	10	1.6	1	11/10/22 17:11	11/8/22	
Hexachlorobutadiene	1.0 U	10	1.0	1	11/10/22 17:11	11/8/22	
Hexachlorocyclopentadiene	2.2 U	10	2.2	1	11/10/22 17:11	11/8/22	
Hexachloroethane	1.1 U	10	1.1	1	11/10/22 17:11	11/8/22	
Indeno(1,2,3-cd)pyrene	1.8 U	10	1.8	1	11/10/22 17:11	11/8/22	
Isophorone	1.4 U	10	1.4	1	11/10/22 17:11	11/8/22	
N-Nitrosodi-n-propylamine	1.2 U	10	1.2	1	11/10/22 17:11	11/8/22	
N-Nitrosodiphenylamine	2.7 U	10	2.7	1	11/10/22 17:11	11/8/22	
Naphthalene	1.2 U	10	1.2	1	11/10/22 17:11	11/8/22	
Nitrobenzene	1.5 U	10	1.5	1	11/10/22 17:11	11/8/22	
Pentachlorophenol (PCP)	9.7 U	50	9.7	1	11/10/22 17:11	11/8/22	
Phenanthrene	1.4 U	10	1.4	1	11/10/22 17:11	11/8/22	
Phenol	1.0 U	10	1.0	1	11/10/22 17:11	11/8/22	
Pyrene	1.5 U	10	1.5	1	11/10/22 17:11	11/8/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	69	35 - 141	11/10/22 17:11	
2-Fluorobiphenyl	60	31 - 118	11/10/22 17:11	
2-Fluorophenol	45	10 - 105	11/10/22 17:11	
Nitrobenzene-d5	57	31 - 110	11/10/22 17:11	
Phenol-d6	31	10 - 107	11/10/22 17:11	
Terphenyl-d14	93	10 - 165	11/10/22 17:11	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2214068-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	1.2 U	10	1.2	1	11/10/22 13:52	11/9/22	
2,3,4,6-Tetrachlorophenol	1.2 U	10	1.2	1	11/10/22 13:52	11/9/22	
2,4,5-Trichlorophenol	1.1 U	10	1.1	1	11/10/22 13:52	11/9/22	
2,4,6-Trichlorophenol	1.4 U	10	1.4	1	11/10/22 13:52	11/9/22	
2,4-Dichlorophenol	1.3 U	10	1.3	1	11/10/22 13:52	11/9/22	
2,4-Dimethylphenol	1.4 U	10	1.4	1	11/10/22 13:52	11/9/22	
2,4-Dinitrophenol	20 U	50	20	1	11/10/22 13:52	11/9/22	
2,4-Dinitrotoluene	2.4 U	10	2.4	1	11/10/22 13:52	11/9/22	
2,6-Dinitrotoluene	1.4 U	10	1.4	1	11/10/22 13:52	11/9/22	
2-Chloronaphthalene	1.4 U	10	1.4	1	11/10/22 13:52	11/9/22	
2-Chlorophenol	1.1 U	10	1.1	1	11/10/22 13:52	11/9/22	
2-Methylnaphthalene	1.3 U	10	1.3	1	11/10/22 13:52	11/9/22	
2-Methylphenol	1.0 U	10	1.0	1	11/10/22 13:52	11/9/22	
2-Nitroaniline	1.4 U	10	1.4	1	11/10/22 13:52	11/9/22	
2-Nitrophenol	1.5 U	10	1.5	1	11/10/22 13:52	11/9/22	
3,3'-Dichlorobenzidine	1.2 U	10	1.2	1	11/10/22 13:52	11/9/22	
3- and 4-Methylphenol Coelution	1.2 U	10	1.2	1	11/10/22 13:52	11/9/22	
3-Nitroaniline	1.1 U	10	1.1	1	11/10/22 13:52	11/9/22	
4,6-Dinitro-2-methylphenol	8.7 U	50	8.7	1	11/10/22 13:52	11/9/22	
4-Bromophenyl Phenyl Ether	1.7 U	10	1.7	1	11/10/22 13:52	11/9/22	
4-Chloro-3-methylphenol	1.1 U	10	1.1	1	11/10/22 13:52	11/9/22	
4-Chloroaniline	1.0 U	10	1.0	1	11/10/22 13:52	11/9/22	
4-Chlorophenyl Phenyl Ether	1.5 U	10	1.5	1	11/10/22 13:52	11/9/22	
4-Nitroaniline	1.4 U	10	1.4	1	11/10/22 13:52	11/9/22	
4-Nitrophenol	6.4 U	50	6.4	1	11/10/22 13:52	11/9/22	
Acenaphthene	1.4 U	10	1.4	1	11/10/22 13:52	11/9/22	
Acenaphthylene	1.4 U	10	1.4	1	11/10/22 13:52	11/9/22	
Acetophenone	1.3 U	10	1.3	1	11/10/22 13:52	11/9/22	
Anthracene	1.3 U	10	1.3	1	11/10/22 13:52	11/9/22	
Atrazine	2.1 U	10	2.1	1	11/10/22 13:52	11/9/22	
Benz(a)anthracene	1.6 U	10	1.6	1	11/10/22 13:52	11/9/22	
Benzaldehyde	1.0 U	10	1.0	1	11/10/22 13:52	11/9/22	
Benzo(a)pyrene	1.2 U	10	1.2	1	11/10/22 13:52	11/9/22	
Benzo(b)fluoranthene	1.2 U	10	1.2	1	11/10/22 13:52	11/9/22	
Benzo(g,h,i)perylene	1.0 U	10	1.0	1	11/10/22 13:52	11/9/22	
Benzo(k)fluoranthene	1.3 U	10	1.3	1	11/10/22 13:52	11/9/22	
Biphenyl	1.4 U	10	1.4	1	11/10/22 13:52	11/9/22	
2,2'-Oxybis(1-chloropropane)	1.4 U	10	1.4	1	11/10/22 13:52	11/9/22	
Bis(2-chloroethoxy)methane	1.9 U	10	1.9	1	11/10/22 13:52	11/9/22	
Bis(2-chloroethyl) Ether	1.3 U	10	1.3	1	11/10/22 13:52	11/9/22	
Bis(2-ethylhexyl) Phthalate	7.8 U	10	7.8	1	11/10/22 13:52	11/9/22	
Butyl Benzyl Phthalate	1.4 U	10	1.4	1	11/10/22 13:52	11/9/22	
Caprolactam	1.0 U	10	1.0	1	11/10/22 13:52	11/9/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2214068-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	1.6 U	10	1.6	1	11/10/22 13:52	11/9/22	
Chrysene	1.2 U	10	1.2	1	11/10/22 13:52	11/9/22	
Di-n-butyl Phthalate	1.7 U	10	1.7	1	11/10/22 13:52	11/9/22	
Di-n-octyl Phthalate	3.3 U	10	3.3	1	11/10/22 13:52	11/9/22	
Dibenz(a,h)anthracene	1.1 U	10	1.1	1	11/10/22 13:52	11/9/22	
Dibenzofuran	1.4 U	10	1.4	1	11/10/22 13:52	11/9/22	
Diethyl Phthalate	1.1 U	10	1.1	1	11/10/22 13:52	11/9/22	
Dimethyl Phthalate	1.3 U	10	1.3	1	11/10/22 13:52	11/9/22	
Fluoranthene	1.5 U	10	1.5	1	11/10/22 13:52	11/9/22	
Fluorene	1.3 U	10	1.3	1	11/10/22 13:52	11/9/22	
Hexachlorobenzene	1.6 U	10	1.6	1	11/10/22 13:52	11/9/22	
Hexachlorobutadiene	1.0 U	10	1.0	1	11/10/22 13:52	11/9/22	
Hexachlorocyclopentadiene	2.2 U	10	2.2	1	11/10/22 13:52	11/9/22	
Hexachloroethane	1.1 U	10	1.1	1	11/10/22 13:52	11/9/22	
Indeno(1,2,3-cd)pyrene	1.8 U	10	1.8	1	11/10/22 13:52	11/9/22	
Isophorone	1.4 U	10	1.4	1	11/10/22 13:52	11/9/22	
N-Nitrosodi-n-propylamine	1.2 U	10	1.2	1	11/10/22 13:52	11/9/22	
N-Nitrosodiphenylamine	2.7 U	10	2.7	1	11/10/22 13:52	11/9/22	
Naphthalene	1.2 U	10	1.2	1	11/10/22 13:52	11/9/22	
Nitrobenzene	1.5 U	10	1.5	1	11/10/22 13:52	11/9/22	
Pentachlorophenol (PCP)	9.7 U	50	9.7	1	11/10/22 13:52	11/9/22	
Phenanthrene	1.4 U	10	1.4	1	11/10/22 13:52	11/9/22	
Phenol	1.0 U	10	1.0	1	11/10/22 13:52	11/9/22	
Pyrene	1.5 U	10	1.5	1	11/10/22 13:52	11/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	69	35 - 141	11/10/22 13:52	
2-Fluorobiphenyl	59	31 - 118	11/10/22 13:52	
2-Fluorophenol	48	10 - 105	11/10/22 13:52	
Nitrobenzene-d5	66	31 - 110	11/10/22 13:52	
Phenol-d6	30	10 - 107	11/10/22 13:52	
Terphenyl-d14	79	10 - 165	11/10/22 13:52	

Client: Anchor QEA, LLC
Project: John Street SC/E.10921.03.01
Sample Matrix: Water

Service Request: R2210625
Date Analyzed: 11/10/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2213994-02			RQ2213994-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	8270D	28.1	40.0	70	22.9	40.0	57	15-132	20	30
2,3,4,6-Tetrachlorophenol	8270D	69.5	80.0	87	64.6	80.0	81	42-136	7	30
2,4,5-Trichlorophenol	8270D	63.5	80.0	79	60.3	80.0	75	48-134	5	30
2,4,6-Trichlorophenol	8270D	63.0	80.0	79	58.4	80.0	73	44-135	8	30
2,4-Dichlorophenol	8270D	64.8	80.0	81	58.4	80.0	73	48-127	10	30
2,4-Dimethylphenol	8270D	60.5	80.0	76	45.6	80.0	57	35-99	29	30
2,4-Dinitrophenol	8270D	37.3 J	80.0	47	35.4 J	80.0	44	21-154	7	30
2,4-Dinitrotoluene	8270D	66.1	80.0	83	62.6	80.0	78	54-130	6	30
2,6-Dinitrotoluene	8270D	74.7	80.0	93	67.0	80.0	84	51-127	10	30
2-Chloronaphthalene	8270D	51.9	80.0	65	48.1	80.0	60	40-108	8	30
2-Chlorophenol	8270D	55.6	80.0	69	52.3	80.0	65	42-112	6	30
2-Methylnaphthalene	8270D	45.9	80.0	57	44.2	80.0	55	34-102	4	30
2-Methylphenol	8270D	53.3	80.0	67	47.5	80.0	59	47-100	13	30
2-Nitroaniline	8270D	73.4	80.0	92	65.9	80.0	82	52-133	11	30
2-Nitrophenol	8270D	60.2	80.0	75	57.3	80.0	72	43-131	4	30
3,3'-Dichlorobenzidine	8270D	46.4	80.0	58	40.3	80.0	50 *	57-131	15	30
3- and 4-Methylphenol Coelution	8270D	45.7	80.0	57	43.4	80.0	54	40-92	5	30
3-Nitroaniline	8270D	66.1	80.0	83	64.1	80.0	80	50-125	4	30
4,6-Dinitro-2-methylphenol	8270D	45.5 J	80.0	57	48.2 J	80.0	60	36-152	5	30
4-Bromophenyl Phenyl Ether	8270D	68.4	80.0	86	70.6	80.0	88	48-114	2	30
4-Chloro-3-methylphenol	8270D	67.5	80.0	84	62.6	80.0	78	52-113	7	30
4-Chloroaniline	8270D	62.6	80.0	78	57.5	80.0	72	44-109	8	30
4-Chlorophenyl Phenyl Ether	8270D	56.2	80.0	70	51.5	80.0	64	51-107	9	30
4-Nitroaniline	8270D	64.8	80.0	81	59.1	80.0	74	54-133	9	30
4-Nitrophenol	8270D	30.6 J	80.0	38	24.9 J	80.0	31	10-126	20	30
Acenaphthene	8270D	56.8	80.0	71	50.6	80.0	63	52-107	12	30
Acenaphthylene	8270D	58.2	80.0	73	52.9	80.0	66	55-109	10	30
Acetophenone	8270D	108	160	67	98.8	160	62	46-114	8	30
Anthracene	8270D	68.4	80.0	86	64.5	80.0	81	55-116	6	30
Atrazine	8270D	118	80.0	147	106	80.0	133	61-164	10	30
Benz(a)anthracene	8270D	66.4	80.0	83	58.3	80.0	73	61-121	13	30
Benzaldehyde	8270D	43.7	80.0	55	48.5	80.0	61	45-132	10	30
Benzo(a)pyrene	8270D	70.0	80.0	87	63.6	80.0	79	68-144	10	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Anchor QEA, LLC
Project: John Street SC/E.10921.03.01
Sample Matrix: Water

Service Request: R2210625
Date Analyzed: 11/10/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2213994-02			RQ2213994-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(b)fluoranthene	8270D	63.9	80.0	80	57.9	80.0	72	62-115	11	30
Benzo(g,h,i)perylene	8270D	79.9	80.0	100	73.8	80.0	92	63-136	8	30
Benzo(k)fluoranthene	8270D	71.6	80.0	89	64.1	80.0	80	49-133	11	30
Biphenyl	8270D	50.1	80.0	63	41.2	80.0	52	39-106	19	30
2,2'-Oxybis(1-chloropropane)	8270D	58.9	80.0	74	54.1	80.0	68	32-122	8	30
Bis(2-chloroethoxy)methane	8270D	66.9	80.0	84	61.7	80.0	77	53-124	9	30
Bis(2-chloroethyl) Ether	8270D	50.6	80.0	63	49.7	80.0	62	46-102	2	30
Bis(2-ethylhexyl) Phthalate	8270D	62.4	80.0	78	53.7	80.0	67	51-132	15	30
Butyl Benzyl Phthalate	8270D	60.4	80.0	75	53.3	80.0	67	41-148	11	30
Caprolactam	8270D	23.3	80.0	29	23.1	80.0	29	10-56	<1	30
Carbazole	8270D	81.2	80.0	102	71.4	80.0	89	56-139	14	30
Chrysene	8270D	69.4	80.0	87	63.1	80.0	79	57-118	10	30
Di-n-butyl Phthalate	8270D	77.0	80.0	96	63.0	80.0	79	75-144	19	30
Di-n-octyl Phthalate	8270D	59.1	80.0	74	49.7	80.0	62	33-151	18	30
Dibenz(a,h)anthracene	8270D	47.0	80.0	59	43.6	80.0	55	54-135	7	30
Dibenzofuran	8270D	58.8	80.0	73	53.0	80.0	66	55-110	10	30
Diethyl Phthalate	8270D	62.1	80.0	78	56.4	80.0	70	55-120	11	30
Dimethyl Phthalate	8270D	68.0	80.0	85	60.7	80.0	76	51-112	11	30
Fluoranthene	8270D	75.7	80.0	95	79.0	80.0	99	66-127	4	30
Fluorene	8270D	61.1	80.0	76	55.8	80.0	70	54-106	8	30
Hexachlorobenzene	8270D	78.5	80.0	98	75.1	80.0	94	53-123	4	30
Hexachlorobutadiene	8270D	44.0	80.0	55	40.5	80.0	51	16-95	8	30
Hexachlorocyclopentadiene	8270D	20.7	80.0	26	19.7	80.0	25	10-99	4	30
Hexachloroethane	8270D	37.9	80.0	47	36.1	80.0	45	15-92	4	30
Indeno(1,2,3-cd)pyrene	8270D	77.7	80.0	97	71.1	80.0	89	62-137	9	30
Isophorone	8270D	61.7	80.0	77	57.1	80.0	71	50-116	8	30
N-Nitrosodi-n-propylamine	8270D	57.0	80.0	71	53.6	80.0	67	49-115	6	30
N-Nitrosodiphenylamine	8270D	82.2	80.0	103	86.6	80.0	108	45-123	5	30
Naphthalene	8270D	48.7	80.0	61	46.7	80.0	58	38-99	5	30
Nitrobenzene	8270D	59.1	80.0	74	54.8	80.0	68	46-108	8	30
Pentachlorophenol (PCP)	8270D	49.1 J	80.0	61	40.7 J	80.0	51	29-164	18	30
Phenanthrene	8270D	70.3	80.0	88	63.6	80.0	79	58-118	11	30
Phenol	8270D	29.8	80.0	37	31.4	80.0	39	10-113	5	30

Client: Anchor QEA, LLC
Project: John Street SC/E.10921.03.01
Sample Matrix: Water

Service Request: R2210625
Date Analyzed: 11/10/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2213994-02			RQ2213994-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	8270D	62.3	80.0	78	60.6	80.0	76	61-122	3	30

Client: Anchor QEA, LLC
Project: John Street SC/E.10921.03.01
Sample Matrix: Water

Service Request: R2210625
Date Analyzed: 11/10/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2214068-02			RQ2214068-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	8270D	30.3	40.0	76	28.9	40.0	72	15-132	5	30
2,3,4,6-Tetrachlorophenol	8270D	69.5	80.0	87	81.4	80.0	102	42-136	16	30
2,4,5-Trichlorophenol	8270D	76.3	80.0	95	71.1	80.0	89	48-134	7	30
2,4,6-Trichlorophenol	8270D	75.6	80.0	94	73.9	80.0	92	44-135	2	30
2,4-Dichlorophenol	8270D	63.2	80.0	79	70.4	80.0	88	48-127	11	30
2,4-Dimethylphenol	8270D	67.2	80.0	84	76.8	80.0	96	35-99	13	30
2,4-Dinitrophenol	8270D	34.1 J	80.0	43	49.4 J	80.0	62	21-154	36*	30
2,4-Dinitrotoluene	8270D	65.5	80.0	82	75.9	80.0	95	54-130	15	30
2,6-Dinitrotoluene	8270D	64.3	80.0	80	80.7	80.0	101	51-127	23	30
2-Chloronaphthalene	8270D	66.7	80.0	83	61.3	80.0	77	40-108	8	30
2-Chlorophenol	8270D	51.9	80.0	65	64.9	80.0	81	42-112	22	30
2-Methylnaphthalene	8270D	48.8	80.0	61	63.2	80.0	79	34-102	26	30
2-Methylphenol	8270D	53.3	80.0	67	62.3	80.0	78	47-100	15	30
2-Nitroaniline	8270D	79.9	80.0	100	80.3	80.0	100	52-133	<1	30
2-Nitrophenol	8270D	58.5	80.0	73	71.0	80.0	89	43-131	20	30
3,3'-Dichlorobenzidine	8270D	46.8	80.0	58	54.3	80.0	68	57-131	16	30
3- and 4-Methylphenol Coelution	8270D	45.4	80.0	57	50.9	80.0	64	40-92	12	30
3-Nitroaniline	8270D	66.9	80.0	84	79.4	80.0	99	50-125	16	30
4,6-Dinitro-2-methylphenol	8270D	38.1 J	80.0	48	55.7	80.0	70	36-152	37*	30
4-Bromophenyl Phenyl Ether	8270D	72.2	80.0	90	81.0	80.0	101	48-114	12	30
4-Chloro-3-methylphenol	8270D	65.6	80.0	82	87.8	80.0	110	52-113	29	30
4-Chloroaniline	8270D	61.0	80.0	76	70.4	80.0	88	44-109	15	30
4-Chlorophenyl Phenyl Ether	8270D	58.5	80.0	73	69.0	80.0	86	51-107	16	30
4-Nitroaniline	8270D	59.9	80.0	75	75.0	80.0	94	54-133	22	30
4-Nitrophenol	8270D	28.6 J	80.0	36	32.6 J	80.0	41	10-126	13	30
Acenaphthene	8270D	59.0	80.0	74	66.7	80.0	83	52-107	11	30
Acenaphthylene	8270D	60.2	80.0	75	67.8	80.0	85	55-109	13	30
Acetophenone	8270D	108	160	67	126	160	79	46-114	16	30
Anthracene	8270D	67.0	80.0	84	76.7	80.0	96	55-116	13	30
Atrazine	8270D	110	80.0	137	139	80.0	174 *	61-164	24	30
Benz(a)anthracene	8270D	62.6	80.0	78	74.8	80.0	94	61-121	19	30
Benzaldehyde	8270D	49.9	80.0	62	64.0	80.0	80	45-132	25	30
Benzo(a)pyrene	8270D	67.8	80.0	85	80.9	80.0	101	68-144	17	30

Client: Anchor QEA, LLC
Project: John Street SC/E.10921.03.01
Sample Matrix: Water

Service Request: R2210625
Date Analyzed: 11/10/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2214068-02			RQ2214068-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(b)fluoranthene	8270D	61.2	80.0	76	71.6	80.0	89	62-115	16	30
Benzo(g,h,i)perylene	8270D	77.3	80.0	97	91.4	80.0	114	63-136	16	30
Benzo(k)fluoranthene	8270D	69.0	80.0	86	80.9	80.0	101	49-133	16	30
Biphenyl	8270D	56.1	80.0	70	56.8	80.0	71	39-106	1	30
2,2'-Oxybis(1-chloropropane)	8270D	58.3	80.0	73	66.2	80.0	83	32-122	13	30
Bis(2-chloroethoxy)methane	8270D	66.5	80.0	83	83.9	80.0	105	53-124	23	30
Bis(2-chloroethyl) Ether	8270D	50.5	80.0	63	61.2	80.0	76	46-102	19	30
Bis(2-ethylhexyl) Phthalate	8270D	56.5	80.0	71	66.9	80.0	84	51-132	17	30
Butyl Benzyl Phthalate	8270D	55.7	80.0	70	67.4	80.0	84	41-148	18	30
Caprolactam	8270D	18.2	80.0	23	26.6	80.0	33	10-56	36*	30
Carbazole	8270D	78.6	80.0	98	90.1	80.0	113	56-139	14	30
Chrysene	8270D	66.7	80.0	83	77.9	80.0	97	57-118	16	30
Di-n-butyl Phthalate	8270D	71.9	80.0	90	83.0	80.0	104	75-144	14	30
Di-n-octyl Phthalate	8270D	53.1	80.0	66	64.9	80.0	81	33-151	20	30
Dibenz(a,h)anthracene	8270D	51.5	80.0	64	58.9	80.0	74	54-135	14	30
Dibenzofuran	8270D	61.8	80.0	77	69.0	80.0	86	55-110	11	30
Diethyl Phthalate	8270D	58.8	80.0	74	67.2	80.0	84	55-120	13	30
Dimethyl Phthalate	8270D	67.2	80.0	84	74.3	80.0	93	51-112	10	30
Fluoranthene	8270D	74.1	80.0	93	84.0	80.0	105	66-127	12	30
Fluorene	8270D	62.7	80.0	78	71.1	80.0	89	54-106	13	30
Hexachlorobenzene	8270D	78.1	80.0	98	89.3	80.0	112	53-123	13	30
Hexachlorobutadiene	8270D	44.3	80.0	55	47.4	80.0	59	16-95	7	30
Hexachlorocyclopentadiene	8270D	23.9	80.0	30	25.3	80.0	32	10-99	6	30
Hexachloroethane	8270D	40.5	80.0	51	36.1	80.0	45	15-92	13	30
Indeno(1,2,3-cd)pyrene	8270D	77.5	80.0	97	91.0	80.0	114	62-137	16	30
Isophorone	8270D	60.8	80.0	76	73.0	80.0	91	50-116	18	30
N-Nitrosodi-n-propylamine	8270D	55.9	80.0	70	65.5	80.0	82	49-115	16	30
N-Nitrosodiphenylamine	8270D	72.3	80.0	90	93.0	80.0	116	45-123	25	30
Naphthalene	8270D	50.7	80.0	63	54.2	80.0	68	38-99	8	30
Nitrobenzene	8270D	58.2	80.0	73	67.8	80.0	85	46-108	15	30
Pentachlorophenol (PCP)	8270D	46.8 J	80.0	59	57.6	80.0	72	29-164	20	30
Phenanthrene	8270D	69.2	80.0	87	79.9	80.0	100	58-118	14	30
Phenol	8270D	31.7	80.0	40	39.2	80.0	49	10-113	20	30

Client: Anchor QEA, LLC
Project: John Street SC/E.10921.03.01
Sample Matrix: Water

Service Request: R2210625
Date Analyzed: 11/10/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2214068-02			RQ2214068-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	8270D	65.4	80.0	82	77.9	80.0	97	61-122	17	30

Client: Anchor QEA, LLC **Service Request:** R2210625
Project: John Street SC/E.10921.03.01
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Extraction Method: EPA 3546

Sample Name	Lab Code	2,4,6-Tribromophenol 15-142	2-Fluorobiphenyl 25-114	2-Fluorophenol 18-98
JSSC-TMW-01-16-17-20221101	R2210625-013	99	83	72
Method Blank	RQ2214123-01	93	70	62
Method Blank	RQ2214123-01	75	69	56
Lab Control Sample	RQ2214123-02	95	74	65
Duplicate Lab Control Sample	RQ2214123-03	97	77	66

Client: Anchor QEA, LLC **Service Request:** R2210625
Project: John Street SC/E.10921.03.01
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Extraction Method: EPA 3546

Sample Name	Lab Code	Nitrobenzene-d5 14-104	Phenol-d6 18-103	Terphenyl-d14 38-141
JSSC-TMW-01-16-17-20221101	R2210625-013	83	74	92
Method Blank	RQ2214123-01	70	61	81
Method Blank	RQ2214123-01	65	56	73
Lab Control Sample	RQ2214123-02	75	66	83
Duplicate Lab Control Sample	RQ2214123-03	78	68	84

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2214123-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	74	U	330	74	1	11/17/22 11:16	11/10/22	
2,3,4,6-Tetrachlorophenol	120	U	330	120	1	11/17/22 11:16	11/10/22	
2,4,5-Trichlorophenol	82	U	330	82	1	11/17/22 11:16	11/10/22	
2,4,6-Trichlorophenol	74	U	330	74	1	11/17/22 11:16	11/10/22	
2,4-Dichlorophenol	64	U	330	64	1	11/17/22 11:16	11/10/22	
2,4-Dimethylphenol	59	U	330	59	1	11/17/22 11:16	11/10/22	
2,4-Dinitrophenol	560	U	1700	560	1	11/17/22 11:16	11/10/22	
2,4-Dinitrotoluene	130	U	330	130	1	11/17/22 11:16	11/10/22	
2,6-Dinitrotoluene	72	U	330	72	1	11/17/22 11:16	11/10/22	
2-Chloronaphthalene	66	U	330	66	1	11/17/22 11:16	11/10/22	
2-Chlorophenol	55	U	330	55	1	11/17/22 11:16	11/10/22	
2-Methylnaphthalene	120	U	330	120	1	11/17/22 11:16	11/10/22	
2-Methylphenol	69	U	330	69	1	11/17/22 11:16	11/10/22	
2-Nitroaniline	78	U	1700	78	1	11/17/22 11:16	11/10/22	
2-Nitrophenol	77	U	330	77	1	11/17/22 11:16	11/10/22	
3,3'-Dichlorobenzidine	37	U	330	37	1	11/17/22 11:16	11/10/22	
3- and 4-Methylphenol Coelution	63	U	330	63	1	11/17/22 11:16	11/10/22	
3-Nitroaniline	67	U	1700	67	1	11/17/22 11:16	11/10/22	
4,6-Dinitro-2-methylphenol	190	U	1700	190	1	11/17/22 11:16	11/10/22	
4-Bromophenyl Phenyl Ether	87	U	330	87	1	11/17/22 11:16	11/10/22	
4-Chloro-3-methylphenol	67	U	330	67	1	11/17/22 11:16	11/10/22	
4-Chloroaniline	56	U	330	56	1	11/17/22 11:16	11/10/22	
4-Chlorophenyl Phenyl Ether	71	U	330	71	1	11/17/22 11:16	11/10/22	
4-Nitroaniline	71	U	1700	71	1	11/17/22 11:16	11/10/22	
4-Nitrophenol	67	U	1700	67	1	11/17/22 11:16	11/10/22	
Acenaphthene	63	U	330	63	1	11/17/22 11:16	11/10/22	
Acenaphthylene	67	U	330	67	1	11/17/22 11:16	11/10/22	
Acetophenone	95	U	330	95	1	11/17/22 11:16	11/10/22	
Anthracene	55	U	330	55	1	11/17/22 11:16	11/10/22	
Atrazine	98	U	330	98	1	11/17/22 11:16	11/10/22	
Benz(a)anthracene	49	U	330	49	1	11/17/22 11:16	11/10/22	
Benzaldehyde	80	U	1700	80	1	11/17/22 11:16	11/10/22	
Benzo(a)pyrene	88	U	330	88	1	11/17/22 11:16	11/10/22	
Benzo(b)fluoranthene	55	U	330	55	1	11/17/22 11:16	11/10/22	
Benzo(g,h,i)perylene	76	U	330	76	1	11/17/22 11:16	11/10/22	
Benzo(k)fluoranthene	54	U	330	54	1	11/17/22 11:16	11/10/22	
Biphenyl	98	U	330	98	1	11/17/22 11:16	11/10/22	
2,2'-Oxybis(1-chloropropane)	68	U	330	68	1	11/17/22 11:16	11/10/22	
Bis(2-chloroethoxy)methane	81	U	330	81	1	11/17/22 11:16	11/10/22	
Bis(2-chloroethyl) Ether	65	U	330	65	1	11/17/22 11:16	11/10/22	
Bis(2-ethylhexyl) Phthalate	61	U	500	61	1	11/17/22 11:16	11/10/22	
Butyl Benzyl Phthalate	40	U	330	40	1	11/17/22 11:16	11/10/22	
Caprolactam	73	U	330	73	1	11/17/22 11:16	11/10/22	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2214123-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	54	U	330	54	1	11/17/22 11:16	11/10/22	
Chrysene	49	U	330	49	1	11/17/22 11:16	11/10/22	
Di-n-butyl Phthalate	54	U	330	54	1	11/17/22 11:16	11/10/22	
Di-n-octyl Phthalate	120	U	330	120	1	11/17/22 11:16	11/10/22	
Dibenz(a,h)anthracene	72	U	330	72	1	11/17/22 11:16	11/10/22	
Dibenzofuran	60	U	330	60	1	11/17/22 11:16	11/10/22	
Diethyl Phthalate	59	U	330	59	1	11/17/22 11:16	11/10/22	
Dimethyl Phthalate	63	U	330	63	1	11/17/22 11:16	11/10/22	
Fluoranthene	83	U	330	83	1	11/17/22 11:16	11/10/22	
Fluorene	62	U	330	62	1	11/17/22 11:16	11/10/22	
Hexachlorobenzene	79	U	330	79	1	11/17/22 11:16	11/10/22	
Hexachlorobutadiene	120	U	330	120	1	11/17/22 11:16	11/10/22	
Hexachlorocyclopentadiene	110	U	330	110	1	11/17/22 11:16	11/10/22	
Hexachloroethane	62	U	330	62	1	11/17/22 11:16	11/10/22	
Indeno(1,2,3-cd)pyrene	110	U	330	110	1	11/17/22 11:16	11/10/22	
Isophorone	69	U	330	69	1	11/17/22 11:16	11/10/22	
N-Nitrosodi-n-propylamine	110	U	330	110	1	11/17/22 11:16	11/10/22	
N-Nitrosodiphenylamine	210	U	330	210	1	11/17/22 11:16	11/10/22	
Naphthalene	62	U	330	62	1	11/17/22 11:16	11/10/22	
Nitrobenzene	59	U	330	59	1	11/17/22 11:16	11/10/22	
Pentachlorophenol (PCP)	330	U	1700	330	1	11/17/22 11:16	11/10/22	
Phenanthrene	47	U	330	47	1	11/17/22 11:16	11/10/22	
Phenol	67	U	330	67	1	11/17/22 11:16	11/10/22	
Pyrene	55	U	330	55	1	11/17/22 11:16	11/10/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	93	15 - 142	11/17/22 11:16	
2-Fluorobiphenyl	70	25 - 114	11/17/22 11:16	
2-Fluorophenol	62	18 - 98	11/17/22 11:16	
Nitrobenzene-d5	70	14 - 104	11/17/22 11:16	
Phenol-d6	61	18 - 103	11/17/22 11:16	
Terphenyl-d14	81	38 - 141	11/17/22 11:16	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2214123-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2-Methylnaphthalene	120 U	330	120	1	11/17/22 16:29	11/10/22	
Acenaphthene	63 U	330	63	1	11/17/22 16:29	11/10/22	
Acenaphthylene	67 U	330	67	1	11/17/22 16:29	11/10/22	
Anthracene	55 U	330	55	1	11/17/22 16:29	11/10/22	
Benz(a)anthracene	49 U	330	49	1	11/17/22 16:29	11/10/22	
Benzo(a)pyrene	88 U	330	88	1	11/17/22 16:29	11/10/22	
Benzo(b)fluoranthene	55 U	330	55	1	11/17/22 16:29	11/10/22	
Benzo(g,h,i)perylene	76 U	330	76	1	11/17/22 16:29	11/10/22	
Benzo(k)fluoranthene	54 U	330	54	1	11/17/22 16:29	11/10/22	
Chrysene	49 U	330	49	1	11/17/22 16:29	11/10/22	
Dibenz(a,h)anthracene	72 U	330	72	1	11/17/22 16:29	11/10/22	
Fluoranthene	83 U	330	83	1	11/17/22 16:29	11/10/22	
Fluorene	62 U	330	62	1	11/17/22 16:29	11/10/22	
Indeno(1,2,3-cd)pyrene	110 U	330	110	1	11/17/22 16:29	11/10/22	
Naphthalene	62 U	330	62	1	11/17/22 16:29	11/10/22	
Pentachlorophenol (PCP)	330 U	1700	330	1	11/17/22 16:29	11/10/22	
Phenanthrene	47 U	330	47	1	11/17/22 16:29	11/10/22	
Pyrene	55 U	330	55	1	11/17/22 16:29	11/10/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	75	15 - 142	11/17/22 16:29	
2-Fluorobiphenyl	69	25 - 114	11/17/22 16:29	
2-Fluorophenol	56	18 - 98	11/17/22 16:29	
Nitrobenzene-d5	65	14 - 104	11/17/22 16:29	
Phenol-d6	56	18 - 103	11/17/22 16:29	
Terphenyl-d14	73	38 - 141	11/17/22 16:29	

Client: Anchor QEA, LLC
Project: John Street SC/E.10921.03.01
Sample Matrix: Soil

Service Request: R2210625
Date Analyzed: 11/17/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2214123-02			RQ2214123-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene	8270D	1440	1590	90	1620	1710	94	10-174	11	30
2,3,4,6-Tetrachlorophenol	8270D	2820	3180	89	3000	3420	88	42-127	6	30
2,4,5-Trichlorophenol	8270D	2600	3180	82	2860	3420	83	33-134	10	30
2,4,6-Trichlorophenol	8270D	2740	3180	86	3030	3420	88	24-131	10	30
2,4-Dichlorophenol	8270D	2550	3180	80	2870	3420	84	17-125	12	30
2,4-Dimethylphenol	8270D	2380	3180	75	2830	3420	83	21-116	17	30
2,4-Dinitrophenol	8270D	1810	3180	57	1190 J	3420	35	10-80	42*	30
2,4-Dinitrotoluene	8270D	2910	3180	91	3350	3420	98	55-118	14	30
2,6-Dinitrotoluene	8270D	2830	3180	89	3220	3420	94	38-136	13	30
2-Chloronaphthalene	8270D	2280	3180	72	2570	3420	75	27-121	12	30
2-Chlorophenol	8270D	2210	3180	69	2480	3420	72	20-97	11	30
2-Methylnaphthalene	8270D	2140	3180	67	2430	3420	71	23-111	12	30
2-Methylphenol	8270D	2200	3180	69	2500	3420	73	28-105	13	30
2-Nitroaniline	8270D	2790	3180	88	3210	3420	94	40-124	14	30
2-Nitrophenol	8270D	2630	3180	83	3030	3420	88	15-107	14	30
3- and 4-Methylphenol Coelution	8270D	2250	3180	71	2480	3420	73	25-112	10	30
3-Nitroaniline	8270D	1620	3180	51	2060	3420	60	36-112	24	30
4,6-Dinitro-2-methylphenol	8270D	2210	3180	69	1850	3420	54	23-107	18	30
4-Bromophenyl Phenyl Ether	8270D	2500	3180	79	2820	3420	82	38-138	12	30
4-Chloro-3-methylphenol	8270D	2540	3180	80	2880	3420	84	25-123	12	30
4-Chloroaniline	8270D	998	3180	31	1280	3420	37	30-87	24	30
4-Chlorophenyl Phenyl Ether	8270D	2320	3180	73	2590	3420	76	41-130	11	30
4-Nitroaniline	8270D	2350	3180	74	2750	3420	80	49-119	16	30
4-Nitrophenol	8270D	2390	3180	75	2700	3420	79	33-124	12	30
Acenaphthene	8270D	2300	3180	72	2600	3420	76	34-121	12	30
Acenaphthylene	8270D	2430	3180	76	2760	3420	81	39-124	13	30
Acetophenone	8270D	3770	3180	118 *	4110	3420	120 *	20-89	9	30
Anthracene	8270D	2290	3180	72	2600	3420	76	58-119	13	30
Benz(a)anthracene	8270D	2430	3180	76	2710	3420	79	60-114	11	30
Benzo(a)pyrene	8270D	2750	3180	86	3090	3420	90	72-128	12	30
Benzo(b)fluoranthene	8270D	2520	3180	79	2860	3420	84	64-109	13	30
Benzo(g,h,i)perylene	8270D	2530	3180	79	2850	3420	83	59-129	12	30
Benzo(k)fluoranthene	8270D	2600	3180	82	2910	3420	85	70-110	11	30

Client: Anchor QEA, LLC
Project: John Street SC/E.10921.03.01
Sample Matrix: Soil

Service Request: R2210625
Date Analyzed: 11/17/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2214123-02			RQ2214123-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
2,2'-Oxybis(1-chloropropane)	8270D	2180	3180	69	2420	3420	71	22-80	10	30
Bis(2-chloroethoxy)methane	8270D	2420	3180	76	2730	3420	80	31-112	12	30
Bis(2-chloroethyl) Ether	8270D	2020	3180	63	2220	3420	65	21-83	9	30
Bis(2-ethylhexyl) Phthalate	8270D	2830	3180	89	3140	3420	92	57-117	10	30
Butyl Benzyl Phthalate	8270D	2720	3180	85	3030	3420	89	60-116	11	30
Carbazole	8270D	2520	3180	79	2840	3420	83	63-129	12	30
Chrysene	8270D	2410	3180	76	2650	3420	77	65-114	10	30
Di-n-butyl Phthalate	8270D	2760	3180	87	3120	3420	91	71-126	12	30
Di-n-octyl Phthalate	8270D	2790	3180	88	3150	3420	92	60-115	12	30
Dibenz(a,h)anthracene	8270D	2530	3180	80	2870	3420	84	60-128	12	30
Dibenzofuran	8270D	2320	3180	73	2640	3420	77	38-124	13	30
Diethyl Phthalate	8270D	2450	3180	77	2780	3420	81	51-113	13	30
Dimethyl Phthalate	8270D	2430	3180	76	2770	3420	81	40-127	13	30
Fluoranthene	8270D	2440	3180	77	2770	3420	81	61-131	12	30
Fluorene	8270D	2340	3180	73	2660	3420	78	39-128	13	30
Hexachlorobenzene	8270D	2500	3180	79	2800	3420	82	42-135	11	30
Hexachlorobutadiene	8270D	2210	3180	69	2480	3420	72	19-96	11	30
Hexachlorocyclopentadiene	8270D	2290	3180	72	2650	3420	77	10-112	15	30
Hexachloroethane	8270D	1850	3180	58	1960	3420	57	15-75	6	30
Indeno(1,2,3-cd)pyrene	8270D	2600	3180	82	2910	3420	85	60-123	11	30
Isophorone	8270D	2410	3180	76	2730	3420	80	27-106	13	30
N-Nitrosodi-n-propylamine	8270D	2250	3180	71	2440	3420	71	22-99	8	30
N-Nitrosodiphenylamine	8270D	2630	3180	83	2970	3420	87	51-127	12	30
Naphthalene	8270D	2090	3180	66	2370	3420	69	21-101	13	30
Nitrobenzene	8270D	2320	3180	73	2650	3420	77	22-98	13	30
Pentachlorophenol (PCP)	8270D	2890	3180	91	2790	3420	82	46-124	3	30
Phenanthrene	8270D	2270	3180	71	2560	3420	75	56-117	12	30
Phenol	8270D	2250	3180	71	2540	3420	74	24-102	12	30
Pyrene	8270D	2490	3180	78	2740	3420	80	67-118	10	30

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
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Client: Anchor QEA, LLC **Service Request:** R2210625
Project: John Street SC/E.10921.03.01
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl 10-152	Tetrachloro-m-xylene 14-129
JSSC-TMW-01-20221101	R2210625-002	21	72
JSSC-TMW-01-DUP-20221101	R2210625-004	14	67
JSSC-MW-07-20221102	R2210625-006	28	80
JSSC-HW-10-20221102	R2210625-008	19	73
JSSC-EB-110222	R2210625-010	29	75
Method Blank	RQ2213992-01	34	71
Method Blank	RQ2214066-03	31	73
Lab Control Sample	RQ2213992-04	40	69
Duplicate Lab Control Sample	RQ2213992-05	36	65
Lab Control Sample	RQ2214066-06	28	71
Duplicate Lab Control Sample	RQ2214066-07	34	76
JSSC-HW-10-20221102 MS	RQ2214066-01	21	71
JSSC-HW-10-20221102 DMS	RQ2214066-02	21	73

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/02/22
Sample Matrix:	Water	**Date Received:**	11/03/22
		Date Analyzed:	11/18/22
		Date Extracted:	11/9/22

Duplicate Matrix Spike Summary
Polychlorinated Biphenyls (PCBs) by GC

Sample Name:	JSSC-HW-10-20221102	**Units:**	ug/L
Lab Code:	R2210625-008	**Basis:**	NA
Analysis Method:	8082A		
Prep Method:	EPA 3510C		

		Matrix Spike RQ2214066-01			Duplicate Matrix Spike RQ2214066-02					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	0.50 U	3.19	3.51	91	3.05	3.51	87	32-142	5	30
Aroclor 1260	0.50 U	2.50	3.51	71	2.31	3.51	66	28-142	8	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2213992-01	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.50 U	1.0	0.50	1	11/11/22 18:14	11/8/22	
Aroclor 1221	1.0 U	2.0	1.0	1	11/11/22 18:14	11/8/22	
Aroclor 1232	0.50 U	1.0	0.50	1	11/11/22 18:14	11/8/22	
Aroclor 1242	0.50 U	1.0	0.50	1	11/11/22 18:14	11/8/22	
Aroclor 1248	0.50 U	1.0	0.50	1	11/11/22 18:14	11/8/22	
Aroclor 1254	0.50 U	1.0	0.50	1	11/11/22 18:14	11/8/22	
Aroclor 1260	0.50 U	1.0	0.50	1	11/11/22 18:14	11/8/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	34	10 - 152	11/11/22 18:14	
Tetrachloro-m-xylene	71	14 - 129	11/11/22 18:14	

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2214066-03	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.50 U	1.0	0.50	1	11/18/22 18:08	11/9/22	
Aroclor 1221	1.0 U	2.0	1.0	1	11/18/22 18:08	11/9/22	
Aroclor 1232	0.50 U	1.0	0.50	1	11/18/22 18:08	11/9/22	
Aroclor 1242	0.50 U	1.0	0.50	1	11/18/22 18:08	11/9/22	
Aroclor 1248	0.50 U	1.0	0.50	1	11/18/22 18:08	11/9/22	
Aroclor 1254	0.50 U	1.0	0.50	1	11/18/22 18:08	11/9/22	
Aroclor 1260	0.50 U	1.0	0.50	1	11/18/22 18:08	11/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	31	10 - 152	11/18/22 18:08	
Tetrachloro-m-xylene	73	14 - 129	11/18/22 18:08	

Client: Anchor QEA, LLC
Project: John Street SC/E.10921.03.01
Sample Matrix: Water

Service Request: R2210625
Date Analyzed: 11/11/22

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Units:ug/L
Basis:NA

			Lab Control Sample			Duplicate Lab Control Sample				
			RQ2213992-04			RQ2213992-05				
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	8082A	4.03	4.00	101	3.85	4.00	96	49-123	5	30
Aroclor 1260	8082A	4.08	4.00	102	3.83	4.00	96	30-120	6	30

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QA/QC Report

Client: Anchor QEA, LLC
Project: John Street SC/E.10921.03.01
Sample Matrix: Water

Service Request: R2210625
Date Analyzed: 11/18/22

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Units:ug/L
Basis:NA

			Lab Control Sample			Duplicate Lab Control Sample				
			RQ2214066-06			RQ2214066-07				
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	8082A	3.64	4.00	91	4.09	4.00	102	49-123	12	30
Aroclor 1260	8082A	2.88	4.00	72	3.34	4.00	84	30-120	15	30

Client: Anchor QEA, LLC **Service Request:** R2210625

Project: John Street SC/E.10921.03.01

Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A

Extraction Method: EPA 3546

Sample Name	Lab Code	Decachlorobiphenyl 22-128	Tetrachloro-m-xylene 14-119
JSSC-TMW-01-16-17-20221101	R2210625-013	21*	36
JSSC-TMW-01-16-17-20221101 RE	R2210625-013	41	75
Method Blank	RQ2214325-01	42	81
Method Blank	RQ2214740-01	42	79
Lab Control Sample	RQ2214325-02	42	86
Duplicate Lab Control Sample	RQ2214325-03	44	81
Lab Control Sample	RQ2214740-04	43	85
Duplicate Lab Control Sample	RQ2214740-05	51	96
JSSC-TMW-01-16-17-20221101 MS	RQ2214740-06	43	96
JSSC-TMW-01-16-17-20221101 DMS	RQ2214740-07	38	77

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	11/01/22
Sample Matrix:	Soil	**Date Received:**	11/03/22
		Date Analyzed:	11/28/22
		Date Extracted:	11/22/22

Duplicate Matrix Spike Summary
Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Sample Name:	JSSC-TMW-01-16-17-20221101	**Units:**	ug/Kg
Lab Code:	R2210625-013	**Basis:**	Dry
Analysis Method:	8082A		
Prep Method:	EPA 3546		

		Matrix Spike RQ2214740-06			Duplicate Matrix Spike RQ2214740-07					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	18 U	185	167	111	164	168	98	26-137	12	30
Aroclor 1260	18 U	170	167	101	157	168	93	30-156	8	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2214325-01	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	17 U	32	17	1	11/18/22 21:45	11/14/22	
Aroclor 1221	26 U	66	26	1	11/18/22 21:45	11/14/22	
Aroclor 1232	19 U	32	19	1	11/18/22 21:45	11/14/22	
Aroclor 1242	17 U	32	17	1	11/18/22 21:45	11/14/22	
Aroclor 1248	18 U	32	18	1	11/18/22 21:45	11/14/22	
Aroclor 1254	17 U	32	17	1	11/18/22 21:45	11/14/22	
Aroclor 1260	17 U	32	17	1	11/18/22 21:45	11/14/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	42	22 - 128	11/18/22 21:45	
Tetrachloro-m-xylene	81	14 - 119	11/18/22 21:45	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	R2210625
Project:	John Street SC/E.10921.03.01	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2214740-01	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Analysis Method: 8082A
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	17 U	33	17	1	11/28/22 19:47	11/22/22	
Aroclor 1221	26 U	66	26	1	11/28/22 19:47	11/22/22	
Aroclor 1232	19 U	33	19	1	11/28/22 19:47	11/22/22	
Aroclor 1242	17 U	33	17	1	11/28/22 19:47	11/22/22	
Aroclor 1248	18 U	33	18	1	11/28/22 19:47	11/22/22	
Aroclor 1254	17 U	33	17	1	11/28/22 19:47	11/22/22	
Aroclor 1260	17 U	33	17	1	11/28/22 19:47	11/22/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	42	22 - 128	11/28/22 19:47	
Tetrachloro-m-xylene	79	14 - 119	11/28/22 19:47	

Client: Anchor QEA, LLC
Project: John Street SC/E.10921.03.01
Sample Matrix: Soil

Service Request: R2210625
Date Analyzed: 11/18/22

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Units:ug/Kg
Basis: Dry

			Lab Control Sample		Duplicate Lab Control Sample					
			RQ2214325-02		RQ2214325-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	8082A	152	167	91	161	169	95	41-127	6	30
Aroclor 1260	8082A	130	167	78	145	169	85	49-135	11	30

Client: Anchor QEA, LLC
Project: John Street SC/E.10921.03.01
Sample Matrix: Soil

Service Request: R2210625
Date Analyzed: 11/28/22

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC using Microwave Extraction

Units:ug/Kg
Basis: Dry

			Lab Control Sample			Duplicate Lab Control Sample				
			RQ2214740-04			RQ2214740-05				
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	8082A	157	163	96	189	165	114	41-127	18	30
Aroclor 1260	8082A	151	163	93	189	165	114	49-135	22	30

Metals

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Metals by EPA 7471B, EPA 7470A, EPA 6010C

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R2210625

Mercury by EPA 7471B

RCVAA02_784978			ICB		CCB		MB784978		CCB		CCB		CCB	
Units		Run Date	11/11/22		11/11/22		11/11/22		11/11/22		11/11/22		11/11/22	
~		Run Time	08:57		09:03		09:05		09:23		09:46		10:06	
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Mercury	0.013	0.020	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U

RCVAA02_784978			CCB		CCB		CCB	
Units		Run Date	11/11/22		11/11/22		11/11/22	
~		Run Time	11:12		11:31		11:47	
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q
Mercury	0.013	0.020	0.013	U	0.013	U	0.013	U

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Mercury by EPA 7470A

RCVAA02_785008			ICB		CCB		CCB		MB785008		MB785008		CCB	
Units		Run Date	11/11/22		11/11/22		11/11/22		11/11/22		11/11/22		11/11/22	
~		Run Time	12:38		13:28		13:50		13:52		13:56		14:12	
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Mercury	0.08	0.20	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U

RCVAA02_785008			CCB		CCB		CCB		CCB	
Units		Run Date	11/11/22		11/11/22		11/11/22		11/11/22	
~		Run Time	14:35		15:07		15:29		15:45	
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q	Result	Q
Mercury	0.08	0.20	0.08	U	0.08	U	0.08	U	0.08	U

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Project John Street SC

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Metals by EPA 6010C

RPAES06_785279			ICB		CCB		CCB		MB785279		MB785279		CCB	
Units		Run Date	11/11/22		11/12/22		11/12/22		11/12/22		11/12/22		11/12/22	
		Run Time	18:02		00:00		00:16		00:19		00:23		00:55	
		Data File	6NOV11A		6NOV11A		6NOV11A		6NOV11A		6NOV11A		6NOV11A	
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aluminum	30	100	100	U	100	U	100	U	100	U	100	U	100	U
Antimony	7	60	60	J	60	U	60	J	60	U	60	U	60	U
Arsenic	6	10	10	U	10	U	10	U	10	U	10	U	10	U
Barium	3	20	20	U	20	U	20	U	20	U	20	U	20	U
Beryllium	0.2	3.0	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U
Cadmium	0.4	5.0	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Calcium	300	1000	300	U	300	U	300	U	300	U	300	U	300	U
Chromium	2	10	10	U	10	U	10	U	10	U	10	U	10	U
Cobalt	0.9	50	50	U	50	U	50	U	50	U	50	U	50	U
Copper	4	20	20	U	20	U	20	U	20	U	20	U	20	U
Iron	70	100	70	U	70	U	70	U	70	U	70	U	70	U
Lead	3	50	50	U	50	U	50	U	50	U	50	U	50	U
Magnesium	30	1000	30	U	30	U	30	U	30	U	30	U	30	U
Manganese	4	10	10	U	10	U	10	U	10	U	10	U	10	U
Nickel	3	40	40	U	40	U	40	U	40	U	40	U	40	U
Potassium	400	2000	400	U	400	U	400	U	400	U	400	U	400	U
Selenium	7	10	10	U	10	U	10	U	10	U	10	U	10	U
Silver	0.6	10	10	U	10	U	10	U	10	U	10	U	10	U
Sodium	200	1000	200	U	200	U	200	U	200	U	200	U	200	U
Thallium	7	10	10	U	13		10	U	10	J	10	U	10	U
Vanadium	0.7	50	50	U	50	J	50	U	50	U	50	U	50	J
Zinc	3	20	20	U	20	U	20	U	20	U	20	U	20	U

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Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C

RPAES06_785279			CCB		CCB		CCB	
Units		Run Date Run Time Data File	11/12/22 01:34 6NOV11A		11/12/22 02:13 6NOV11A		11/12/22 02:29 6NOV11A	
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q
Aluminum	30	100	100	U	100	U	100	U
Antimony	7	60	60	U	60	U	60	J
Arsenic	6	10	10	U	10	U	10	U
Barium	3	20	20	U	20	U	20	U
Beryllium	0.2	3.0	3.0	U	3.0	U	3.0	U
Cadmium	0.4	5.0	5.0	U	5.0	U	5.0	U
Calcium	300	1000	300	U	300	U	300	U
Chromium	2	10	10	U	10	U	10	U
Cobalt	0.9	50	50	U	50	U	50	U
Copper	4	20	20	U	20	U	20	U
Iron	70	100	70	U	70	U	70	U
Lead	3	50	50	U	50	U	50	U
Magnesium	30	1000	30	U	30	U	30	U
Manganese	4	10	10	U	10	U	10	U
Nickel	3	40	40	U	40	U	40	U
Potassium	400	2000	400	U	400	U	400	U
Selenium	7	10	10	U	10	U	10	U
Silver	0.6	10	10	U	10	U	10	U
Sodium	200	1000	200	U	200	U	200	U
Thallium	7	10	16		10	U	10	U
Vanadium	0.7	50	50	U	50	U	50	U
Zinc	3	20	20	U	20	U	20	U

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Project John Street SC

Workorder
R2210625

Metals by EPA 6010C

RPAES06_785474			ICB		CCB		CCB		MB785474		CCB		CCB	
Units		Run Date	11/15/22		11/16/22		11/16/22		11/16/22		11/16/22		11/16/22	
		Run Time	20:23		04:44		05:00		05:04		05:39		06:19	
		Data File	6NOV15		6NOV15		6NOV15		6NOV15		6NOV15		6NOV15	
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aluminum	12	20	12	U	12	U	12	U	12	U	12	U	12	U
Antimony	0.6	6.0	1.7	J	0.9	J	1.1	J	0.6	U	0.6	U	0.6	U
Arsenic	0.7	1.0	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Barium	1.5	2.0	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
Beryllium	0.03	0.30	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
Cadmium	0.09	0.50	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U
Calcium	40	100	40	U	40	U	40	U	40	U	40	U	40	U
Chromium	0.4	1.0	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
Cobalt	0.09	5.0	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U
Copper	0.2	2.0	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Iron	13	20	13	U	13	U	13	U	13	U	13	U	13	U
Lead	0.4	5.0	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
Magnesium	20	100	20	U	20	U	20	U	20	U	20	U	20	U
Manganese	0.2	2.0	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel	0.7	4.0	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Potassium	50	200	50	U	50	U	50	U	50	U	50	U	50	U
Selenium	0.6	1.0	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Silver	0.09	1.0	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U
Sodium	20	100	20	U	20	U	20	U	20	U	20	U	20	U
Thallium	0.7	1.0	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Vanadium	0.07	5.0	0.07	U	0.07	U	0.07	U	0.07	U	0.07	U	0.07	U
Zinc	1.4	2.0	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U

Form 3 - Blanks

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C

RPAES06_785474			CCB		CCB		CCB	
Units		Run Date Run Time Data File	11/16/22 06:58 6NOV15		11/16/22 07:11 6NOV15		11/16/22 07:27 6NOV15	
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q
Aluminum	12	20	12	U	12	U	12	U
Antimony	0.6	6.0	0.6	U	1.3	J	0.6	U
Arsenic	0.7	1.0	0.7	U	0.7	U	0.7	U
Barium	1.5	2.0	1.5	U	1.5	U	1.5	U
Beryllium	0.03	0.30	0.03	U	0.03	U	0.03	U
Cadmium	0.09	0.50	0.09	U	0.09	U	0.09	U
Calcium	40	100	40	U	40	U	40	U
Chromium	0.4	1.0	0.4	U	0.4	U	0.4	U
Cobalt	0.09	5.0	0.09	U	0.09	U	0.09	U
Copper	0.2	2.0	0.2	U	0.2	U	0.2	U
Iron	13	20	13	U	13	U	13	U
Lead	0.4	5.0	0.4	U	0.4	U	0.4	U
Magnesium	20	100	20	U	20	U	20	U
Manganese	0.2	2.0	0.2	U	0.2	U	0.2	U
Nickel	0.7	4.0	0.7	U	0.7	U	0.7	U
Potassium	50	200	50	U	50	U	50	U
Selenium	0.6	1.0	0.6	U	0.6	U	0.6	U
Silver	0.09	1.0	0.09	U	0.09	U	0.09	U
Sodium	20	100	20	U	20	U	20	U
Thallium	0.7	1.0	0.8	J	0.7	U	0.7	U
Vanadium	0.07	5.0	0.07	U	0.07	U	0.07	U
Zinc	1.4	2.0	1.4	U	1.4	U	1.4	U

Form 3 - Blanks

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C

RPAES06_785805			ICB		CCB		CCB		CCB		CCB		CCB	
Units		Run Date	11/17/22		11/17/22		11/17/22		11/17/22		11/17/22		11/17/22	
		Run Time	16:38		19:01		19:27		20:46		21:15		21:38	
		Data File	6NOV17A		6NOV17A		6NOV17A		6NOV17A		6NOV17A		6NOV17A	
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Arsenic	6	10	10	U	10	U	10	U	10	U	10	U	10	U
Thallium	7	10	10	U	10	U	10	J	10	J	10	U	10	U

RPAES06_785805			CCB		CCB	
Units		Run Date	11/17/22		11/17/22	
		Run Time	22:17		22:33	
		Data File	6NOV17A		6NOV17A	
Analyte	DL	LOQ	Result	Q	Result	Q
Arsenic	6	10	10	U	10	U
Thallium	7	10	10	U	10	U

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Form 5A

Matrix Spike Sample Recovery

Metals by EPA 6010C, EPA 7470A

Workorder

R2210625

Client

Anchor QEA, LLC

Project

John Street SC

12/07/2022

ALS Environmental–Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Form 5A - Matrix Spike Sample Recovery

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Mercury by EPA 7470A

JSSC-HW-10-20221102				R2210625-008			R2210625-008MS			R2210625-008DMS					
Samp Matrix	Water		**Run Date**	11/11/22			11/11/22			11/11/22					
Prep Method	Method	**Units**	**Run Time**	14:14			14:16			14:18					
Prep Batch	409804 11/10/22	ug/L	**Prep Amt**	25 mL			25 mL			25 mL					
Analyte	%R Limits	Spike Added	DF	Sample Result	Q	MS Result	%R	Q	MSD Result	%R	Q	RPD Limit	RPD	Q
Mercury	75-125	1.00	1	0.17	J	1.23	106		1.24	107		20	<1	

JSSC-HW-10-20221102-DISS				R2210625-009			R2210625-009MS			R2210625-009DMS					
Samp Matrix	Water		**Run Date**	11/11/22			11/11/22			11/11/22					
Prep Method	Method	**Units**	**Run Time**	14:20			14:22			14:24					
Prep Batch	409804 11/10/22	ug/L	**Prep Amt**	25 mL			25 mL			25 mL					
Analyte	%R Limits	Spike Added	DF	Sample Result	Q	MS Result	%R	Q	MSD Result	%R	Q	RPD Limit	RPD	Q
Mercury	75-125	1.00	1	0.08	U	1.05	105		1.05	105		20	<1	

Q - %Recovery / RPD Flag * - %Recovery / RPD Outside Limits

Form 5A - Matrix Spike Sample Recovery

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C

JSSC-HW-10-20221102				R2210625-008		R2210625-008MS			R2210625-008DMS					
Samp Matrix	Water		**Run Date**	11/12/22		11/12/22			11/12/22					
Prep Method	EPA 3005A/3010A	**Units**	**Run Time**	00:49		00:58			01:02					
Prep Batch	409813 11/10/22	ug/L	**Prep Amt**	50 mL		50 mL			50 mL					
Analyte	%R Limits	Spike Added	DF	Sample Result	Q	MS Result	%R	Q	MSD Result	%R	Q	RPD Limit	RPD	Q
Aluminum	75-125	2000	1	70	J	2080	100		2070	100		20	<1	
Antimony	75-125	500	1	7	U	517	103		512	102		20	<1	
Arsenic	75-125	40	1	42		79	94		78	91		20	2	
Barium	75-125	2000	1	384		2420	102		2420	102		20	<1	
Beryllium	75-125	50.0	1	0.2	U	48.8	98		48.6	97		20	<1	
Cadmium	75-125	50.0	1	0.5	J	49.6	98		49.4	98		20	<1	
Calcium	75-125	2000	1	75900		77000	55		77800	97		20	1	
Chromium	75-125	200	1	12		214	101		214	101		20	<1	
Cobalt	75-125	500	1	0.9	U	510	102		509	102		20	<1	
Copper	75-125	250	1	6	J	270	106		269	106		20	<1	
Iron	75-125	1000	1	430		1160	72	*	1220	79		20	6	
Lead	75-125	500	1	3	U	501	100		501	100		20	<1	
Magnesium	75-125	2000	1	8100		10000	92		10100	96		20	<1	
Manganese	75-125	500	1	3530		3910	77		3940	82		20	<1	
Nickel	75-125	500	1	3	U	508	102		507	101		20	<1	
Potassium	75-125	20000	1	8200		27400	96		27500	97		20	<1	
Selenium	75-125	1010	1	7	U	968	96		962	95		20	<1	
Silver	75-125	50	1	0.6	U	51	102		51	102		20	<1	
Sodium	75-125	20000	1	114000		130000	81		132000	87		20	<1	
Thallium	75-125	2000	1	7	U	1980	99		1980	99		20	<1	
Vanadium	75-125	500	1	4	J	498	99		497	99		20	<1	
Zinc	75-125	500	1	9	J	511	101		508	100		20	<1	

Form 5A - Matrix Spike Sample Recovery

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C

JSSC-HW-10-20221102-DISS				R2210625-009			R2210625-009MS			R2210625-009DMS					
Samp Matrix	Water		**Run Date**	11/12/22			11/12/22			11/12/22					
Prep Method	EPA 3005A/3010A	**Units**	**Run Time**	01:11			01:15			01:18					
Prep Batch	409813 11/10/22	ug/L	**Prep Amt**	50 mL			50 mL			50 mL					
Analyte	%R Limits	Spike Added	DF	Sample Result	Q		MS Result	%R	Q	MSD Result	%R	Q	RPD Limit	RPD	Q
Aluminum	75-125	2000	1	30	U		2010	100		2010	100		20	<1	
Antimony	75-125	500	1	7	U		507	101		514	103		20	1	
Arsenic	75-125	40	1	33			74	102		72	98		20	2	
Barium	75-125	2000	1	225			2260	102		2260	102		20	<1	
Beryllium	75-125	50.0	1	0.2	U		48.8	98		48.8	98		20	<1	
Cadmium	75-125	50.0	1	0.4	U		49.6	99		49.5	99		20	<1	
Calcium	75-125	2000	1	75100			77400	118		77300	111		20	<1	
Chromium	75-125	200	1	10			212	101		212	101		20	<1	
Cobalt	75-125	500	1	0.9	U		509	102		509	102		20	<1	
Copper	75-125	250	1	4	U		265	106		266	106		20	<1	
Iron	75-125	1000	1	160			1000	85		1320	117		20	27	*
Lead	75-125	500	1	3	U		500	100		500	100		20	<1	
Magnesium	75-125	2000	1	8100			10000	99		10000	99		20	<1	
Manganese	75-125	500	1	441			941	100		942	100		20	<1	
Nickel	75-125	500	1	3	U		507	101		508	102		20	<1	
Potassium	75-125	20000	1	7700			27100	97		27200	97		20	<1	
Selenium	75-125	1010	1	7	U		965	96		969	96		20	<1	
Silver	75-125	50	1	0.6	U		51	102		51	101		20	<1	
Sodium	75-125	20000	1	112000			130000	87		129000	86		20	<1	
Vanadium	75-125	500	1	0.7	U		496	99		495	99		20	<1	
Zinc	75-125	500	1	3	U		502	100		506	101		20	<1	

Q - %Recovery / RPD Flag * - %Recovery / RPD Outside Limits

Form 5A - Matrix Spike Sample Recovery

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C

JSSC-HW-10-20221102-DISS				R2210625-009			R2210625-009MS			R2210625-009DMS					
Samp Matrix	Water		**Run Date**	11/17/22			11/17/22			11/17/22					
Prep Method	EPA 3005A/3010A	**Units**	**Run Time**	21:18			21:21			21:25					
Prep Batch	409813 11/10/22	ug/L	**Prep Amt**	50 mL			50 mL			50 mL					
Analyte	%R Limits	Spike Added	DF	Sample Result	Q	MS Result	%R	Q	MSD Result	%R	Q	RPD Limit	RPD	Q
Thallium	75-125	2000	1	7	U	1980	99		1990	99		20	<1	

Q - %Recovery / RPD Flag * - %Recovery / RPD Outside Limits

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Form 7

Laboratory Control Sample

Metals by EPA 6010C, EPA 7471B, EPA 7470A

Workorder

R2210625

Client

Anchor QEA, LLC

Project

John Street SC

12/07/2022

ALS Environmental–Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Form 7 - Laboratory Control Sample

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Mercury by EPA 7471B

RCVAA02_784978			QC ID	R2210625-LCS1			
QC Matrix	Soil		**Run Date**	11/11/22			
Prep Method	Method	**Units**	**Run Time**	09:07			
Prep Batch	409744 11/09/22	mg/Kg	**Prep Amt**	0.5 g			
Analyte		%R Limits	Spike Added	LCS Result	%R	Q	
Mercury		80-120	0.100	0.104	104		

- %Recovery / RPD Flag * - %Recovery / RPD Outside Limits

Form 7 - Laboratory Control Sample

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Mercury by EPA 7470A

RCVAA02_785008			QC ID	R2210625-LCS2			
QC Matrix	Water		Run Date	11/11/22			
Prep Method	Method	Units	Run Time	13:54			
Prep Batch	409804 11/10/22	ug/L	Prep Amt	25 mL			
Analyte		%R Limits	Spike Added	LCS Result	%R	Q	
Mercury		80-120	1.00	1.05	105		

- %Recovery / RPD Flag * - %Recovery / RPD Outside Limits

Form 7 - Laboratory Control Sample

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C

RPAES06_785279			QC ID	R2210625-LCS2			
QC Matrix	Water		**Run Date**	11/12/22			
Prep Method	EPA 3005A/3010A	**Units**	**Run Time**	00:26			
Prep Batch	409813 11/10/22	ug/L	**Prep Amt**	50 mL			
Analyte		%R Limits	Spike Added	LCS Result	%R	Q	
Aluminum		80-120	2000	2000	100		
Antimony		80-120	500	497	99		
Arsenic		80-120	40	34	86		
Barium		80-120	2000	2030	102		
Beryllium		80-120	50.0	48.0	96		
Cadmium		80-120	50.0	49.7	99		
Calcium		80-120	2000	1950	97		
Chromium		80-120	200	200	100		
Cobalt		80-120	500	506	101		
Copper		80-120	250	248	99		
Iron		80-120	1000	1010	101		
Lead		80-120	500	498	100		
Magnesium		80-120	2000	1910	96		
Manganese		80-120	500	493	99		
Nickel		80-120	500	504	101		
Potassium		80-120	20000	18100	91		
Selenium		80-120	1010	954	94		
Silver		80-120	50	48	97		
Sodium		80-120	20000	18900	94		
Thallium		80-120	2000	1820	91		
Vanadium		80-120	500	483	97		
Zinc		80-120	500	493	99		

- %Recovery / RPD Flag * - %Recovery / RPD Outside Limits

Form 7 - Laboratory Control Sample

Client Anchor QEA, LLC

Project John Street SC

Workorder
R2210625

Metals by EPA 6010C

RPAES06_785474			QC ID	R2210625-LCS1			
QC Matrix	Soil		**Run Date**	11/16/22			
Prep Method	EPA 3050B	**Units**	**Run Time**	05:07			
Prep Batch	409690 11/09/22	mg/Kg	**Prep Amt**	0.5 g			
Analyte		%R Limits	Spike Added	LCS Result	%R	Q	
Aluminum		80-120	200	198	99		
Antimony		80-120	50.0	48.9	98		
Arsenic		80-120	4.0	4.44	111		
Barium		80-120	200	200	100		
Beryllium		80-120	5.00	4.72	94		
Cadmium		80-120	5.00	4.94	99		
Calcium		80-120	200	194	97		
Chromium		80-120	20.0	19.8	99		
Cobalt		80-120	50.0	49.8	100		
Copper		80-120	25.0	25.8	103		
Iron		80-120	100	99.7	100		
Lead		80-120	50.0	49.7	99		
Magnesium		80-120	200	191	95		
Manganese		80-120	50.0	48.9	98		
Nickel		80-120	50.0	50.0	100		
Potassium		80-120	2000	1790	90		
Selenium		80-120	101	89.0	88		
Silver		80-120	5.0	4.89	98		
Sodium		80-120	2000	1910	96		
Thallium		80-120	200	184	92		
Vanadium		80-120	50.0	48.1	96		
Zinc		80-120	50.0	48.6	97		

- %Recovery / RPD Flag * - %Recovery / RPD Outside Limits

Data Usability Summary Reports

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Anchor QEA, LLC
1201 Third Ave. Suite 2600
Seattle, WA 98101
ATTN: Ms. Jennifer Marsalla
jmarsalla@anchorqea.com

July 14, 2022

SUBJECT: Gold Street Public Utility Regulating Station (PURS), 164 John Street - Data Validation

Dear Ms. Marsalla,

Enclosed are the final validation reports for the fractions listed below. This SDG was received on April 21, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #53800:

SDG #	Fraction
R2201689	Volatiles, Semivolatiles, polychlorinated biphenyls, Metals, Total Solids

The data validation was performed under Category B guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA Region 2 Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C, SOP HW-24, Revision 4 (October 2014)
- USEPA Region 2 Standard Operating Procedure for Semivolatile Data Validation SW-846 Method 8270D, SOP HW-35A, Revision 0 (June 2015)
- USEPA Region 2 Standard Operating Procedure for Validating PCB Compounds, PCBs by Gas Chromatography SW-846 Method 8082A, SOP HW-45, Revision 1 (October 2006)
- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-20-005 (November 2020)
- USEPA Region 2 Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program, SOP HW-3b/c, Revision 1 (September 2016)
- USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, EPA 542-R-20-006 (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

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

Sincerely,

Kevin Kha
kkha@lab-data.com
Project Manager/Senior Chemist

175 pages-ADV

Attachment 1

Category B EDD **LDC# 53800 (Anchor Environmental-Seattle WA / Consolidated Edison, John Street)**

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (8260C)		SVOA (8270D)		PCBs (8082A)		Metals (6010C /7471B)		Total Solids (ALS)																							
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	R2201689	04/21/22	05/11/22	0	8	0	8	0	8	0	8	0	8																						
Total	T/KK			0	8	0	8	0	8	0	8	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40

Shaded cells indicate Category B validation (all other cells are Category A validation). These sample counts do not include MS, MSD, or DUP's.

V:\LOGIN\Anchor\ConEdison-John Street\53800ST.wpd

Site:	Gold Street Public Utility Regulating Station (PURS), 164 John Street, Brooklyn, New York
Laboratory:	ALS Environmental, Rochester, NY
Report No.:	R2201689
Reviewer:	Felomina Tanguilig and Kevin Kha/Laboratory Data Consultants for Anchor Environmental – Seattle, WA
Date:	May 31, 2022

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
HAE-TP01-3FT-022422	R2201689-001	VOC, SVOC, PCB
HAE-TP01-5FT-022422	R2201689-002	VOC, SVOC, PCB
HAE-TP2-5FT-022422	R2201689-003	VOC, SVOC, PCB
HAE-TP2-3FT-022422	R2201689-004	VOC, SVOC, PCB
HAE-TP3-3FT-022422	R2201689-005	VOC, SVOC, PCB
HAE-TP3-4FT-022422	R2201689-006	VOC, SVOC, PCB
HAE-TP4-5FT-022422	R2201689-007	VOC, SVOC, PCB
HAE-TP4-3FT-022422	R2201689-008	VOC, SVOC, PCB
HAE-TP01-3FT-022422MS	R2201689-001MS	PCB
HAE-TP01-3FT-022422MSD	R2201689-001MSD	PCB

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed soil samples were collected on February 24, 2022 and were analyzed for volatile organic compounds (VOCs) by SW-846 8260C, semivolatile organic compounds (SVOCs) by SW-846 method 8270D, and polychlorinated biphenyls (PCBs) by SW-846 method 8082A. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C,* SOP HW-24, Revision 4 (October 2014), the USEPA Region 2 *Standard Operating Procedure for Semivolatile Data Validation SW-846 Method 8270D,* SOP HW-35A, Revision 0 (June 2015), the USEPA Region 2 *Standard Operating Procedure for Validating PCB Compounds, PCBs by Gas Chromatography SW-846 Method 8082A,* SOP HW-45, Revision 1 (October 2006), and the USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-20-005 (November 2020), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

VOC and SVOC

All criteria were met.

Initial and Continuing Calibrations

VOC

Initial calibration:

All criteria were met.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Standard ID	Compound	CC %D	Associated Samples		Validation Action
03/01/22	CCV	Vinyl acetate	31.0	HAE-TP01-3FT-022422 HAE-TP01-5FT-022422 HAE-TP2-5FT-022422 HAE-TP2-3FT-022422 HAE-TP3-3FT-022422 HAE-TP3-4FT-022422 HAE-TP4-5FT-022422 HAE-TP4-3FT-022422	XX	None
03/01/22	CCV	Carbon disulfide	26.8	HAE-TP01-5FT-022422	XX	J detects
03/01/22	CCV	Carbon disulfide	26.8	HAE-TP01-3FT-022422 HAE-TP2-5FT-022422 HAE-TP2-3FT-022422 HAE-TP3-3FT-022422 HAE-TP3-4FT-022422 HAE-TP4-5FT-022422 HAE-TP4-3FT-022422	XX	None

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

Validation action was not required for vinyl acetate and carbon disulfide due to continuing calibration exceedance as positive results only are affected and these compounds were not detected in the associated samples.

The carbon disulfide result was estimated due to continuing calibration exceedance. The bias cannot be determined. The result can be used for project objectives as an estimated values (J) which may have a minor impact on the data usability.

SVOC

Initial calibration:

All criteria were met.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
03/08/22	CCV	4-Nitroaniline	20.1	HAE-TP01-3FT-022422 HAE-TP01-5FT-022422 HAE-TP2-5FT-022422 HAE-TP2-3FT-022422	XX	None
03/09/22	CCV	2,4-Dinitrophenol	30.7	HAE-TP3-3FT-022422	XX	None
		2,6-Dinitrotoluene	21.3	HAE-TP3-4FT-022422	XX	
		2-Nitroaniline	30.5	HAE-TP4-5FT-022422	XX	
		3&4-Methylphenol	22.4		XX	
		4,6-Dinitro-2-methylphenol	22.1		XX	
		4-Nitroaniline	32.2		XX	
		4-Nitrophenol	23.6		XX	
		2,2'-Oxybis(1-chloropropane)	22.9		XX	
		Bis(2-ethylhexyl)phthalate	22.3		XX	
		Butylbenzylphthalate	22.8		XX	
		Caprolactam	24.7		XX	
		Di-n-butylphthalate	24.5		XX	
		Di-n-octylphthalate	25.6		XX	
		N-Nitroso-di-n-propylamine	25.5		XX	
		Phenol	23.1		XX	
		3-Nitroaniline	28.7		XX	
03/15/22	CCV	2-Nitroaniline	23.4	HAE-TP4-3FT-022422	XX	None
		4-Nitroaniline	22.8		XX	
		2,2'-Oxybis(1-chloropropane)	23.1		XX	
		Di-n-butylphthalate	21.3		XX	
		Phenol	22.2		XX	

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

Validation action was not required for the compounds listed above due to continuing calibration exceedance as positive results only are affected and these compounds were not detected in the associated samples.

PCB

Initial calibration:

All criteria were met.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Standard ID	Column	Compound	CC %D	Associated Samples	Affected Compound		Validation Action
03/16/22	CCV	DB17	Aroclor-1260	20.7	HAE-TP2-5FT-022422 HAE-TP2-3FT-022422 HAE-TP3-3FT-022422 HAE-TP3-4FT-022422 HAE-TP4-5FT-022422	Aroclor-1248 Aroclor-1254 Aroclor-1260	XX XX XX	UJ nondetects UJ nondetects UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The aroclor-1248, aroclor-1254, and aroclor-1260 results were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

VOC

Contamination was detected in the associated VOC method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Blank ID	Compound	Level Detected	Action Level	Associated Samples
MB RQ2202019-05	1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene	0.54 ug/Kg 0.48 ug/Kg	RL RL	HAE-TP01-3FT-022422 HAE-TP01-5FT-022422 HAE-TP2-5FT-022422 HAE-TP2-3FT-022422 HAE-TP3-3FT-022422 HAE-TP3-4FT-022422 HAE-TP4-5FT-022422 HAE-TP4-3FT-022422

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

No samples were qualified since the associated sample results were nondetect.

A field blank was not associated with this sample set. Validation action was not required on this basis.

SVOC and PCB

Contamination was not detected in the method blanks.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

VOC and SVOC

MS/MSD analyses were not associated with this sample set. Validation action was not required on this basis.

PCB

MS/MSD analyses were performed on sample HAE-TP01-3FT-022422 for PCB analysis. The following table lists the MS/MSD relative percent differences (RPD) outside of control limits in the PCB analysis and the resulting validation actions.

MS ID	Compound	RPD (Limits)	Affected Sample	Validation Action
HAE-TP01-3FT-022422MS/MSD	Aroclor-1016 Aroclor-1260	36 (≤35) 37 (≤25)	HAE-TP01-3FT-022422	None

Validation action was not required for aroclor-1016 and aroclor-1260 due to MS/MSD relative percent difference exceedances as positive results only are affected and these compounds were not detected in the associated sample.

LCS Results

VOC and PCB

All criteria were met.

SVOC

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the SVOC analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
RQ2202099-2/3	3-Nitroaniline	49 (50-150)	-	HAE-TP01-3FT-022422	UJ nondetects
	4-Chloroaniline	26 (50-150)	31 (50-150)	HAE-TP01-5FT-022422	UJ nondetects
				HAE-TP2-5FT-022422	
				HAE-TP2-3FT-022422	
				HAE-TP3-3FT-022422	
				HAE-TP3-4FT-022422	
				HAE-TP4-5FT-022422	
				HAE-TP4-3FT-022422	

- Within control limits

The 3-nitroaniline and 4-chloroaniline results may be biased low due to low LCS/LCSD percent recoveries. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Internal Standards

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Moisture Content

All criteria were met.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC and SVOC analyses. These results were qualified as estimated (J) by the laboratory.

No results were reported below the RL and above the MDL in the PCB analysis.

Dilutions were not required for VOC, SVOC, and PCB analyses.

Due to high target compound levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	VOC Analysis Reported
HAE-TP01-3FT-022422	0.93-fold dilution due to sample matrix
HAE-TP01-5FT-022422	0.92-fold dilution due to sample matrix
HAE-TP2-5FT-022422	0.94-fold dilution due to sample matrix

Sample	VOC Analysis Reported
HAE-TP2-3FT-022422	0.95-fold dilution due to sample matrix
HAE-TP3-3FT-022422	0.93-fold dilution due to sample matrix
HAE-TP3-4FT-022422	1.06-fold dilution due to sample matrix
HAE-TP4-5FT-022422	1.02-fold dilution due to sample matrix
HAE-TP4-3FT-022422	1.03-fold dilution due to sample matrix

Sample	SVOC Analysis Reported
HAE-TP01-3FT-022422	10-fold dilution for color due to sample matrix
HAE-TP01-5FT-022422	10-fold dilution for color due to sample matrix
HAE-TP3-3FT-022422	2-fold dilution for color due to sample matrix
HAE-TP3-4FT-022422	2-fold dilution for color due to sample matrix
HAE-TP4-5FT-022422	2-fold dilution for color due to sample matrix
HAE-TP4-3FT-022422	5-fold dilution for color due to sample matrix

Dilutions were not required for the PCB analysis.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 53800A1a **VALIDATION COMPLETENESS WORKSHEET** Date: 5/10/22
SDG #: R2201689 Category B Page: 1 of 1
Laboratory: ALS Environmental, Rochester, NY Reviewer: EB
2nd Reviewer: KK

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	%D RSD ≤ 20 ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	SW	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	cs
IX.	Laboratory control samples	SWA	LCS ID
X.	Field duplicates	N	
XI.	Internal standards	A	MRL
XII.	Target analyte quantitation	A	Results < ~~600~~ : J det /A
XIII.	Target analyte identification	A	MI
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID		Lab ID	Matrix	Date
1 †	HAE-TP01-3FT-022422	0.93 x	R2201689-001	Soil	02/24/22
2 †	HAE-TP01-5FT-022422	0.92 x	R2201689-002	Soil	02/24/22
3	HAE-TP2-5FT-022422	0.94 x	R2201689-003	Soil	02/24/22
4	HAE-TP2-3FT-022422	0.95 x	R2201689-004	Soil	02/24/22
5	HAE-TP3-3FT-022422	0.93 x	R2201689-005	Soil	02/24/22
6	HAE-TP3-4FT-022422	1.06 x	R2201689-006	Soil	02/24/22
7	HAE-TP4-5FT-022422	1.02 x	R2201689-007	Soil	02/24/22
8	HAE-TP4-3FT-022422	1.03 x	R2201689-008	Soil	02/24/22
9					

Notes:

	MB R2202019-05						

LDC #: 53460A\a

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: Volatiles (EPA SW 846 Method 8260 C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%, 15/30% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20% 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation findings worksheet.	✓			
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	✓			
Were target analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target analyte identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did analyte spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 53800A/a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	3/1/22	CCV	HH	31.0		All	Jdet/A and ND
	1059		G	26.8		↓	Jdet/A #2 Det

LDC #: 53800A1a

VALIDATION FINDINGS WORKSHEET
Blanks

Page: 1 of 1
Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
Y N N/A Was a method blank associated with every sample in this SDG?
Y N N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?
Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank analysis date: 3/1/22
Conc. units: ug/kg
Associated Samples: All (ND)

Compound	Blank ID	5X	Sample Identification							
I	MB RQ 220219-05									
NNN	0.54									
KKK	0.48									

Blank analysis date:
Conc. units:
Associated Samples:

Compound	Blank ID	Sample Identification								

All results were qualified using the criteria stated below except those circled.

Note: Common contaminants such as Methylene chloride, Acetone, 2-Butanone, Carbon disulfide and TICs that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 53800A1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the target analytes identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of target analyte
C_x = Concentration of target analyte
S = Standard deviation of the RRFs
X = Mean of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Target Analyte (Internal Standard)	Reported RRF (20 std)	Recalculated RRF (20 std)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported %RSD	Recalculated %RSD
1	IGAL	2/23/22	CC	0.434	0.434	0.4013	0.4013	5.4	5.4
			V	1.105	1.105	1.082	1.082	3.3	3.3
			AA 0.2869	~~0.3522~~ FT	0.2869	0.267	0.267	4.9	4.9
			BB	0.6586	0.6586	0.6903	0.6903	14.9	14.9
2									
3									
4									

Comments: _____

LDC #: 53800A1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where:
ave. RRF = initial calibration average RRF
A_x = Area of target analyte
C_x = Concentration of target analyte
RRF = continuing calibration RRF
A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Target Analyte (Internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV	3/1/22 1059	CC	0.4013	0.4332	0.4332	8.0	8.0
			√	1.082	1.1027	1.1027	1.9	1.9
			ΔΔ	0.267	0.2994	0.2994	12.1	12.1
			BB	0.6903	0.7337	0.7337	6.3	6.3
2								
3								
4								

LDC #: 53800A1a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #2

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	50.0	50.94	102	102	U
1,2-Dichloroethane-d4					
Toluene-d8	50.0	50.05	100	100	↓
Bromofluorobenzene	↓	38.11	76	76	↓

Comments: _____

LDC #: 53800A/a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the target analytes identified below using the following calculation:

% Recovery = 100 * SSC/SA

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC)

Where: SSC = Spiked sample concentration
SA = Spike added
LCSC = Laboratory control sample concentration
LCSDC = Laboratory control sample duplicate concentration

LCS ID: RQ2202019 LCS ID

Compound	Spike Added (ug/kg)		Spiked Sample Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
1,1-Dichloroethene	20.0	20.0	21.4	21.0	107	107	105	105	2	2
Trichloroethene	↓	↓	19.5	19.5	98	98	98	98	0	0
Benzene			20.0	19.6	100	100	98	98	2	2
Toluene			21.1	19.7	106	106	99	99	7	7
Chlorobenzene			20.3	19.8	102	102	99	99	3	3

Comments: _____

LDC #: 53800A1a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The concentration of the sample was calculated for the target analytes identified below using the following calculation:

$$\text{Concentration} = \frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$$

A_x = Area of the characteristic ion (EICP) for the target analyte to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

%S = 91%

Example:

Sample I.D. #1, Y

$$\text{Conc.} = \frac{(3049)(50.0)(0.93)}{(613260)(1.082)(0.91)}$$

$$= 0.23479 \text{ ug/kg}$$

#	Sample ID	Compound	Reported Concentration (ug/kg)	Calculated Concentration (ug/kg)	Qualification
	#1	Y	0.24	0.23479	

LDC #: 53800A2a

SDG #: R2201689

Laboratory: ALS Environmental, Rochester, NY

VALIDATION COMPLETENESS WORKSHEET

Category B

Date: 5/10/22

Page: 1 of 1

Reviewer:

2nd Reviewer: KK

METHOD: GC/MS Semivolatiles (EPA SW-846 Method 8270D)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A / A	%D/RSD ≤ 20, r² ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	
IX.	Laboratory control samples	SW	LCS ID
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	A	Results < ~~LOQ~~ MRL : J det /A
XIII.	Target analyte identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID		Lab ID	Matrix	Date
1	HAE-TP01-3FT-022422	10x (color)	R2201689-001	Soil	02/24/22
2	HAE-TP01-5FT-022422	10x ↓	R2201689-002	Soil	02/24/22
3	HAE-TP2-5FT-022422		R2201689-003	Soil	02/24/22
4	HAE-TP2-3FT-022422		R2201689-004	Soil	02/24/22
5	HAE-TP3-3FT-022422	2x (color)	R2201689-005	Soil	02/24/22
6	HAE-TP3-4FT-022422	2x	R2201689-006	Soil	02/24/22
7	HAE-TP4-5FT-022422	2x	R2201689-007	Soil	02/24/22
8	HAE-TP4-3FT-022422	5x ↓	R2201689-008	Soil	02/24/22
9					

Notes:

MB	RQ22 0299-02						

LDC #: 53800A2a

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: Semivolatiles (EPA SW 846 Method 8270 D)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the DFTPP performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% 15/30% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20% 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the blanks validation findings worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any percent recoveries (%R) was less than 10%, was a reanalysis performed to confirm %R ?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target analyte identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	CC. Dimethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	GGGG. C30-Hopane	I1. Methyl methanesulfonate
B. Bis (2-chloroethyl) ether	DD. Acenaphthylene	FFF. Di-n-octylphthalate	HHHH. 1-Methylphenanthrene	J1. Ethyl methanesulfonate
C. 2-Chlorophenol	EE. 2,6-Dinitrotoluene	GGG. Benzo(b)fluoranthene	IIII. 1,4-Dioxane	K1. o,o',o''-Triethylphosphorothioate
D. 1,3-Dichlorobenzene	FF. 3-Nitroaniline ✓	HHH. Benzo(k)fluoranthene	JJJJ. Acetophenone	L1. n-Phenylene diamine
E. 1,4-Dichlorobenzene	GG. Acenaphthene	III. Benzo(a)pyrene	KKKK. Atrazine	M1. 1,4-Naphthoquinone
F. 1,2-Dichlorobenzene	HH. 2,4-Dinitrophenol	JJJ. Indeno(1,2,3-cd)pyrene	LLLL. Benzaldehyde	N1. N-Nitro-o-toluidine
G. 2-Methylphenol	II. 4-Nitrophenol	KKK. Dibenz(a,h)anthracene	MMMM. Caprolactam	O1. 1,3,5-Trinitrobenzene
H. 2,2'-Oxybis(1-chloropropane)	JJ. Dibenzofuran	LLL. Benzo(g,h,i)perylene	NNNN. 2,6-Dichlorophenol	P1. Pentachlorobenzene
I. 4-Methylphenol	KK. 2,4-Dinitrotoluene	MMM. Bis(2-Chloroisopropyl)ether	OOOO. 1,2-Diphenylhydrazine	Q1. 4-Aminobiphenyl
J. N-Nitroso-di-n-propylamine	LL. Diethylphthalate	NNN. Aniline	PPPP. 3-Methylphenol	R1. 2-Naphthylamine
K. Hexachloroethane	MM. 4-Chlorophenyl-phenyl ether	OOO. N-Nitrosodimethylamine	QQQQ. 3&4-Methylphenol	S1. Triphenylene
L. Nitrobenzene	NN. Fluorene	PPP. Benzoic Acid	RRRR. 4-Dimethyldibenzothiophene (4MDT)	T1. Octachlorostyrene
M. Isophorone	OO. 4-Nitroaniline	QQQ. Benzyl alcohol	SSSS. 2/3-Dimethyldibenzothiophene (4MDT)	U1. Famphur
N. 2-Nitrophenol	PP. 4,6-Dinitro-2-methylphenol	RRR. Pyridine	TTTT. 1-Methyldibenzothiophene (1MDT)	V1. 1,4-phenylenediamine
O. 2,4-Dimethylphenol	QQ. N-Nitrosodiphenylamine	SSS. Benzidine	UUUU.. 2,3,4,6-Tetrachlorophenol	W1. Methapyrilene
P. Bis(2-chloroethoxy)methane	RR. 4-Bromophenyl-phenylether	TTT. 1-Methylnaphthalene	VVVV. 1,2,4,5-Tetrachlorobenzene	X1. Pentachloroethane
Q. 2,4-Dichlorophenol	SS. Hexachlorobenzene	UUU.Benzo(b)thiophene	WWWW.. 2-Picoline	Y1. 3,3'-Dimethylbenzidine
R. 1,2,4-Trichlorobenzene	TT. Pentachlorophenol	VVV.Benzonaphthothiophene	XXXX. 3-Methylcholanthrene	Z1. o-Toluidine
S. Naphthalene	UU. Phenanthrene	WWW.Benzo(e)pyrene	YYYY. a,a-Dimethylphenethylamine	A2. 1-Naphthylamine
T. 4-Chloroaniline ✓	VV. Anthracene	XXX. 2,6-Dimethylnaphthalene	ZZZZ. Hexachloropropene	B2. 4-Aminobiphenyl
U. Hexachlorobutadiene	WW. Carbazole	YYY. 2,3,5-Trimethylnaphthalene	A1. N-Nitrosodiethylamine	C2. 4-Nitroquinoline-1-oxide
V. 4-Chloro-3-methylphenol	XX. Di-n-butylphthalate	ZZZ. Perylene	B1. N-Nitrosodi-n-butylamine	D2. Hexachloropene
W. 2-Methylnaphthalene	YY. Fluoranthene	AAAA. Dibenzothiophene	C1. N-Nitrosomethylethylamine	E2. Bis (2-chloro-1-methylethyl) ether
X. Hexachlorocyclopentadiene	ZZ. Pyrene	BBBB. Benzo(a)fluoranthene	D1. N-Nitrosomorpholine	F2. Bifenthrin
Y. 2,4,6-Trichlorophenol	AAA. Butylbenzylphthalate	CCCC. Benzo(b)fluorene	E1. N-Nitrosopyrrolidine	G2. Cyfluthrin
Z. 2,4,5-Trichlorophenol	BBB. 3,3'-Dichlorobenzidine	DDDD. cis/trans-Decalin	F1. Phenacetin	H2. Cypermethrin
AA. 2-Chloronaphthalene	CCC. Benzo(a)anthracene	EEEE. 1,1'-Biphenyl	G1. 2-Acetylaminofluorene	I2. Permethrin (cis/trans)
BB. 2-Nitroaniline	DDD. Chrysene	FFFF. Retene	H1. Pronamide	J2. 5-Nitro-o-toluidine

LDC #: 53860A2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y (N) N/A Was a continuing calibration standard analyzed at least once every 12 hours of sample analysis for each instrument?

Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?

Y (N) N/A Were all %D and RRFs within the validation criteria of ≤20%D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	3/8/22 1557	CCV	OO	20.1		1→4, MB-RQ220299	J (all) / A (all ND)
	3/9/22 1421	CCV	HH	30.7		5→7	J (all) / A (all ND)
			EE	21.3			
			BB	30.5			
			QQQQ	22.4			
			PP	22.1			
			OO	32.2			
			II	23.6			
		II	H	22.9			
			EEE	22.3			
			AAA	22.8			
			MMMM	24.7			
			XX	24.5			
			FFF	25.6			
			J	25.5			
			A	23.1			
			FF	28.7			

LDC #: 53800

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

METHOD: __ GC __ HPLC (GCMS 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
What type of continuing calibration calculation was performed? __%D or __%R
Y N N/A Were continuing calibration standards analyzed at the required frequencies?
Y N N/A Did the continuing calibration standards meet the %D / %R validation criteria of ≤20.0% / 80-120%?
Level IV Only
Y N N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

#	Date	Standard ID	Detector/ Column	Compound	%D (Limit ≤ 20.0)	RT (limit)	Associated Samples	Qualifications
	3/15/22 1152	CCV		BB	23.4		All	J detect/A ND
				OO	22.8			
				H	23.1			
				XX	21.3			
				Δ	22.2			

LDC #: 53800A2a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: FT

METHOD: GC/MS BNA (Method 8270D

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A   Was a LCS required?

Y N N/A   Were the LCS/LCSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	RQ2202099	FF	49 (50-150)	( )	( )	All	J/UJ/P all ND
	-2/3	T	26 (↓)	31 (50-150)	( )	↓	↓ ↓
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
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			( )	( )	( )		
			( )	( )	( )		

LDC #: 53800A2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)
The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the target analytes identified below using the following calculations:

RRF = $(A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of target analyte
C_x = Concentration of target analyte
S = Standard deviation of the RRFs,

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard
X = Mean of the RRFs

#	Standard ID	Calibration Date	Target Analyte / Internal Standard	Reported RRF (40 std)	Recalculated RRF (40 std)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported %RSD	Recalculated %RSD
1	ICAL	2/10/22	Δ (1st IS)	1.79	1.79	1.74	1.74	3.4	3.4
			~~GG~~ S (2nd IS)	~~1.251~~ 1.027	1.027	1.041	1.041	10.9	10.9
			GG (3rd IS)	1.251	1.251	1.237	1.237	7.4	7.4
			UU (4th IS)	1.142	1.142	1.152	1.152	4.0	4.0
			DDD (5th IS)	1.294	1.294	1.27	1.27	4.8	4.8
			III (6th IS)	0.9603	0.9603	0.8661	0.8661	12.1	12.1
2			(1st IS)						
			(2nd IS)						
			(3rd IS)						
			(4th IS)						
			(5th IS)						
			(6th IS)						
3			(1st IS)						
			(2nd IS)						
			(3rd IS)						
			(4th IS)						
			(5th IS)						
			(6th IS)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 53860A2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF; RRF = continuing calibration RRF
A_x = Area of target analyte; A_{is} = Area of associated internal standard
C_x = Concentration of target analyte; C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Target Analyte (Internal Standard)	Average RRF (Initial)	Reported RRF (CC) F1	Recalculated RRF (CC) F1	Reported %D	Recalculated %D
1	ccv 1-74 +MB	3/8/22 1557	A (1st IS)	1.74	~~2.1425~~ 1.995	~~2.1425~~ 1.995	~~23.1~~ 12.4	23.1
			S (2nd IS)	1.041	~~1.0628~~ 1.0073	~~1.0628~~ 1.0073	~~2.1~~ 3.3	2.1
			GG (3rd IS)	1.237	1.2337	1.2337	0.3	0.3
			UU (4th IS)	1.152	1.1398	1.1398	1.1	1.1
			DDD (5th IS)	1.27	1.2773	1.2773	0.6	0.6
			III (6th IS)	0.8661	0.962	0.962	11.1	11.1
2	ccv 5-77	3/9/22 1421	(1st IS)		2.1425	2.1425	23.1	23.1
			(2nd IS)		1.0628	1.0628	2.1	2.1
			(3rd IS)		1.3082	1.3082	5.7	5.7
			(4th IS)		1.2553	1.2553	8.9	8.9
			(5th IS)		1.362	1.362	7.3	7.3
			(6th IS)	↓	1.0257	1.0257	18.4	18.4
3	ccv #8	3/15/22 1152	(1st IS)		2.1258	2.1258	22.2	22.2
			(2nd IS)		1.6455	1.0455	0.4	0.4
			(3rd IS)		1.2961	1.2961	4.7	4.7
			(4th IS)		1.2172	1.2172	5.6	5.6
			(5th IS)		1.3762	1.3762	8.41	8.4
			(6th IS)	↓	0.9957	0.9957	15.0	15.0

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 53800A2a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270 D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: 2 10X

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	50.0	3.75	75	75	0
2-Fluorobiphenyl	↓	3.63	73	73	
Terphenyl-d14	↓	4.19	84	84	
Phenol-d5	100	7.21	72	72	
2-Fluorophenol	↓	6.95	69	69	
2,4,6-Tribromophenol	↓	8.25	82	82	↓

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					

LDC #: 53800A2a

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270) D

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

$$SSC = \frac{(A_X)(C_{IS})(Fv)(Df)}{(A_{IS})(RRF)(Vs \text{ or } Ws)(\%S/100)}$$

%Recovery = (SSC/SA)*100

RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where: A_X= Area of the target analyte; A_{IS}= Area for the specific internal standard; C_{IS} = Concentration of internal standard; Fv =Final volume of extract; Df= Dilution factor; RRF= Average relative response factor of the target analyte; Ws= Initial weight of the sample; %S= Percent Solid; SSC = Spiked sample concentration; LCS = Laboratory control sample; LCSD = Laboratory control sample duplicate; Vs= Initial volume of the sample

LCS/LCSD samples: RQ 2202099 LCS 1D

Compound	Spike Added (ug/Kg)		Spike Concentration (ug/Kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol	3320	3290	2320	2420	70	70	74	74	5	5
N-Nitroso-di-n-propylamine			2340	2440	71	71	74	74	4	4
4-Chloro-3-methylphenol			2820	2830	85	85	86	86	<1	0.353
Acenaphthene			2650	2690	80	80	82	82	1	1
Pentachlorophenol			3130	3150	94	94	96	96	<1	0.66
Pyrene			3170	3170	96	96	96	96	<1	0

LDC #: 53800A2a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

$$\text{Concentration} = \frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$$

A_x	=	Area of the characteristic ion (EICP) for the target analyte to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. #1 , 111

$$\text{Conc.} = \frac{(157586)(40.0)\quad(1)\quad(10)(1000)}{(1024246)(8.661\times10^{-1})(14.61)(0.91)}$$

$$= 5344.58 \text{ ug/Kg}$$

#	Sample ID	Target Analyte	Reported Concentration (ug/Kg)	Calculated Concentration (ug/Kg)	Qualification
	#1	111	5300	5344.58	

LDC #: 53800A3b
SDG #: R2201689
Laboratory: ALS Environmental, Rochester, NY

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 5/10/22
Page: 1 of 1
Reviewer:
2nd Reviewer: KJE

METHOD: GC Polychlorinated Biphenyls (EPA SW846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	A / A	%D RSD ≤ 20 ICV ≤ 20
III.	Continuing calibration	SW	CCV ≤ 20
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	SW	
VIII.	Laboratory control samples	A	LCS ID
IX.	Field duplicates	N	
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	HAE-TP01-3FT-022422	R2201689-001	Soil	02/24/22
2	HAE-TP01-5FT-022422	R2201689-002	Soil	02/24/22
3	HAE-TP2-5FT-022422	R2201689-003	Soil	02/24/22
4	HAE-TP2-3FT-022422	R2201689-004	Soil	02/24/22
5	HAE-TP3-3FT-022422	R2201689-005	Soil	02/24/22
6	HAE-TP3-4FT-022422	R2201689-006	Soil	02/24/22
7	HAE-TP4-5FT-022422	R2201689-007	Soil	02/24/22
8	HAE-TP4-3FT-022422	R2201689-008	Soil	02/24/22
9	HAE-TP01-3FT-022422MS	R2201689-001MS	Soil	02/24/22
10	HAE-TP01-3FT-022422MSD	R2201689-001MSD	Soil	02/24/22
11				
12				
13				

Notes:

	RQ220209L-05						

LDC #: 53800A3b

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: ✓ GC __ HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓	✓		
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		✓		
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 53860A3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT

METHOD: ✓ **GC** __ **HPLC**

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

What type of continuing calibration calculation was performed? ___%D or ___%R

Y N N/A Were continuing calibration standards analyzed at the required frequencies?

Y (N) N/A Did the continuing calibration standards meet the %D / %R validation criteria of ≤20.0% / 80-120%?

Level IV Only

Y N N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

#	Date	Standard ID	Detector/ Column	Compound	%D (Limit ≤ 20.0)	RT (limit)	Associated Samples	Qualifications
	3/16/22 2058	CCV	DB 17	BB	20.7		3, 4, 5, 6, 7	J/UJ/A all ND qual Z, AA, B

LDC #: 53800A3b

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Reviewer: FT

METHOD: ✓ GC __ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG?

(Y) N N/A Was an MS/MSD analyzed every 20 samples for each matrix or whenever a sample extraction was performed?

Y (N) N/A Were the MS/MSD percent recoveries (%R) and relative percent differences (RPD) within QC limits?

#	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	9 & 10	V	( )	( )	36 (35)	1	J dets/A ND
		BB	( )	( )	37 (25)	↓	↓ ↓
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
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			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC #: 53806A36

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (500 std)	Recalculated CF (500 std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL	1/12/22	Aroclor 1254-1 (col 1)	2.344X10^5	2.344X10^5	2.419X10^5	2.419X10^5	8.4	8.4
			(col 2)	1.641X10^5	1.641X10^5	1.717X10^5	1.717X10^5	8.5	8.5
2	ICAL	1/12/22	Aroclor 1260-1 (col 1)	5.167X10^5	5.167X10^5	5.638X10^5	5.638X10^5	9.8	9.8
			(col 2)	4.141X10^5	4.141X10^5	4.526X10^5	4.526X10^5	10.5	10.5
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 53800A3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	ccv	3/16/22 1141	1260-1 DB17	500	417	417	16.7	16.7
			-1 DB1701	500	443	443	11.3	11.3
2	ccv	3/16/22 1722	↓	↓	432	432	13.7	13.7
					453	453	9.5	9.5
3	ccv	3/16/22 2058	↓	↓	391	391	21.8	21.8
					417	417	16.97	16.97
4	ccv	3/18/22 1119	↓	↓	430	430	14.0	14.0
					413	413	17.5	17.1

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 53800A3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
DCB	DB 17	50.0	35.186	70	70	0
TCMX	↓	↓	39.58	79	79	0

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 53800436

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: FT

METHOD: ✓ **GC** __**HPLC**

The percent recoveries (%R) and relative percent differences (RPD) of the matrix spike and matrix spike duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC - SC)/SA

RPD =(({SSCMS - SSCMSD} * 2) / (SSCMS + SSCMSD))*100

Where

SSC = Spiked sample concentration
SC = Sample concentration
SA = Spike added

MS = Matrix spike
MSD = Matrix spike duplicate

MS/MSD samples: 9 +10

Compound	Spike Added (ug/kg)		Sample Conc. (ug/kg)	Spike Sample Concentration (ug/kg)		Matrix spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	---	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	205	194	ND	144	99.5	70	70	51	51	37	37

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 53800A36

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample
SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: RQ22020960-7/8

Compound	Spike Added (ng/Kg)		Spike Sample Concentration (ng/Kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
BB	169	165	132	110	78	78	67	67	18	18

Comments: _____

LDC #: 53800A3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. #8 : Aroclor 1254

Concentration = $\frac{62.2724\ (10)}{(14.45)\ (0.944)}$ =

= 45.652

#	Sample ID	Target analyte	Reported Concentrations (ug/Kg)	Recalculated Results Concentrations (ug/Kg)	Qualifications
	#8	Aroclor 1254	46	45.652	
				34.42	
		34.42		1254-1 = ~~35.663~~	
	1254-1 = 8626100	= ~~35.663~~		2 = 55.470	
	2.419X10^5			3 = 83.543	
				4 = 38.387	
				5 = 99.547	
				62.2724	

Comments: _____

Site: Gold Street Public Utility Regulating Station (PURS), 164 John Street, Brooklyn, New York
Laboratory: ALS Environmental, Rochester, NY
Report No.: R2201689
Reviewer: An Le and Kevin Kha/Laboratory Data Consultants for Anchor Environmental – Seattle, WA
Date: July 8, 2022

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
HAE-TP01-3FT-022422	R2201689-001	Metals, Total Solids
HAE-TP01-5FT-022422	R2201689-002	Metals, Total Solids
HAE-TP02-5FT-022422	R2201689-003	Metals, Total Solids
HAE-TP02-3FT-022422	R2201689-004	Metals, Total Solids
HAE-TP03-3FT-022422	R2201689-005	Metals, Total Solids
HAE-TP03-4FT-022422	R2201689-006	Metals, Total Solids
HAE-TP04-5FT-022422	R2201689-007	Metals, Total Solids
HAE-TP04-3FT-022422	R2201689-008	Metals, Total Solids
HAE-TP01-3FT-022422MS	R2201689-001MS	Metals
HAE-TP01-3FT-022422MSD	R2201689-001MSD	Metals
HAE-TP03-4FT-022422MS	R2201689-006MS	Metals
HAE-TP03-4FT-022422MSD	R2201689-006MSD	Metals
HAE-TP04-3FT-022422DUP	R2201689-008DUP	Total Solids

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed soil samples were collected on February 24, 2022 and were analyzed for metals by SW-846 methods 6010C/7471B and total solids by ALS SOP. The data validation was performed in accordance with USEPA Region 2 *Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program,* SOP HW-3a/c, Revision 1 (September 2016) and the USEPA *Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review,* EPA 542-R-20-006 (November 2020), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS)
- Serial Dilution Results
- Moisture Content
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

Metals

All criteria were met.

CRQL Standard Recoveries

Metals

All criteria were met.

Blank Results

Metals

Analytes were detected below the reporting limits in the laboratory blank samples. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
ICB/CCB	Antimony	7.80 ug/L	RL	HAE-TP01-3FT-022422 HAE-TP01-5FT-022422 HAE-TP02-5FT-022422 HAE-TP02-3FT-022422 HAE-TP03-3FT-022422 HAE-TP03-4FT-022422 HAE-TP04-5FT-022422 HAE-TP04-3FT-022422
ICB/CCB	Thallium	7.00 ug/L	RL	HAE-TP03-3FT-022422 HAE-TP03-4FT-022422 HAE-TP04-5FT-022422 HAE-TP04-3FT-022422

Blank Actions for analytes detected below the reporting limit (RL).
If the sample result is < RL, report the result as nondetect (U) at the RL.
If the sample result is > RL or nondetect, no action is required.
Blank Actions for analytes detected above the reporting limit or RL.
If the sample result is < RL and <action level; report the result as nondetect (U) at the RL.
If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.
If the sample result is > action level or nondetect, no action is required.

Qualified sample results are listed in the table below.

Sample	Analyte	Reported Level	Validation Action
HAE-TP01-3FT-022422	Antimony	2.4 mg/Kg	6.6U mg/Kg
HAE-TP01-5FT-022422	Antimony	4.9 mg/Kg	6.2U mg/Kg
HAE-TP04-3FT-022422	Antimony	0.604 mg/Kg	6.4U mg/Kg

These results can be used for project objectives as nondetect (U) which may have a minor impact on the data usability.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Total Solids

Contamination was not detected in the laboratory blank samples.

A field blank was not associated with this sample set. Validation action was not required on this basis.

ICP ICS Results

Metals

Analytes were within control limits in the ICSA and ICSAB analyses.

MS/MSD Results

Metals

MS/MSD analyses were performed on samples HAE-TP01-3FT-022422 and HAE-TP03-4FT-022422 for metals analyses. The following table lists the MS/MSD percent recoveries (%R) outside of control limits in the total solids analysis and the resulting validation actions.

MS ID	Analyte	MS %R (Limits)	MS/D %R (Limits)	Affected Sample	Validation Action
HAE-TP01-3FT-022422MS/MSD	Chromium	16 (75-125)	18 (75-125)	HAE-TP01-3FT-022422	J detects/UJ nondetects
	Antimony	-	74 (75-125)	HAE-TP01-5FT-022422	J detects/UJ nondetects
				HAE-TP02-5FT-022422	
				HAE-TP02-3FT-022422	
				HAE-TP03-3FT-022422	
				HAE-TP03-4FT-022422	
				HAE-TP04-5FT-022422	
				HAE-TP04-3FT-022422	

- Within control limits

The chromium and antimony results may be biased low due to low MS/MSD percent recoveries. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

For HAE-TP01-3FT-022422MS/MSD, although the percent recoveries were severely low for chromium, the associated sample results were qualified as estimated (J/UJ) since the post spike recoveries were within the QC limits for this analyte.

The following table lists the MS/MSD relative percent differences (RPD) outside of control limits in the metals analyses and the resulting validation actions.

MS ID	Analyte	RPD (Limits)	Affected Sample	Validation Action
HAE-TP01-3FT-022422MS/MSD	Calcium	92 (≤20)	HAE-TP01-3FT-022422	J detects
	Magnesium	130 (≤20)	HAE-TP01-5FT-022422	J detects
	Manganese	28 (≤20)	HAE-TP02-5FT-022422	J detects
	Mercury	21 (≤20)	HAE-TP02-3FT-022422	J detects
			HAE-TP03-3FT-022422	
			HAE-TP03-4FT-022422	
			HAE-TP04-5FT-022422	
			HAE-TP04-3FT-022422	

The calcium, magnesium, manganese, and mercury results were estimated due to MS/MSD relative percent difference exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

For HAE-TP01-3FT-022422MS/MSD, no data were qualified for aluminum, arsenic, calcium, copper, iron, lead, magnesium, manganese, zinc, and mercury percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

Total Solids

MS/MSD analyses were not required by the method.

Laboratory Duplicate Results

Metals

Laboratory duplicates were not associated with this sample set. Validation action was not required on this basis.

Total Solids

Laboratory duplicates were performed on sample HAE-TP04-3FT-022422 for total solids analysis. All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

LCS Results

Metals

All criteria were met.

Total Solids

Laboratory control samples (LCS) were not required by the method.

Serial Dilution Results

Metals

A serial dilution analysis was performed on samples HAE-TP01-3FT-022422 and HAE-TP03-4FT-022422 for metals analyses. All criteria were met.

Moisture Content

All criteria were met.

Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the metals analyses. These results were estimated (J) by the laboratory.

No results were reported below the RL and above the MDL in the total solids analysis.

Due to high target analyte levels or sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	Metals Analyses Reported
HAE-TP01-3FT-022422	10-fold dilution due to high analyte levels for calcium, iron and lead 1000-fold dilution due to high analyte levels for mercury
HAE-TP01-5FT-022422	10-fold dilution due to high analyte levels for iron, lead and zinc 200-fold dilution due to high analyte levels for mercury
HAE-TP02-5FT-022422	10-fold dilution due to high analyte levels for iron 1000-fold dilution due to high analyte levels for mercury
HAE-TP02-3FT-022422	10-fold dilution due to high analyte levels for iron 200-fold dilution due to high analyte levels for mercury
HAE-TP03-3FT-022422 HAE-TP03-4FT-022422 HAE-TP04-5FT-022422 HAE-TP04-3FT-022422	10-fold dilution due to high analyte levels for iron 100-fold dilution due to high analyte levels for mercury

Dilutions were not required for total solids analysis.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 53800A4b
SDG #: R2201689
Laboratory: ALS Environmental, Rochester, NY

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 7/6/22
Page: 1 of 1
Reviewer: ATV
2nd Reviewer: [illegible]

METHOD: Metals (EPA SW 846 Method 6010C/7471B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	A	
IV.	Laboratory Blanks	SW	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	SW	(9,10), (11,12)
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	A	
IX.	Laboratory control samples	A	LCS
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	A	MDL < samples < RL: Jdet
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	HAE-TP01-3FT-022422 (Hg @ 1000X, Cu, Fe & Pb @ 10X high analytes)	R2201689-001	Soil	02/24/22
2	HAE-TP01-5FT-022422 (Hg @ 200X, Zn, Fe & Pb @ 10X high analytes	R2201689-002	Soil	02/24/22
3	HAE-TP02-5FT-022422 (Hg @ 1000X, Fe @ 10X high analytes)	R2201689-003	Soil	02/24/22
4	HAE-TP02-3FT-022422 (Hg @ 200X, Fe @ 10X high analytes)	R2201689-004	Soil	02/24/22
5	HAE-TP03-3FT-022422 (Hg @ 100X, Fe @ 10X high analytes)	R2201689-005	Soil	02/24/22
6	HAE-TP03-4FT-022422	R2201689-006	Soil	02/24/22
7	HAE-TP04-5FT-022422	R2201689-007	Soil	02/24/22
8	HAE-TP04-3FT-022422	R2201689-008	Soil	02/24/22
9	HAE-TP01-3FT-022422MS	R2201689-001MS	Soil	02/24/22
10	HAE-TP01-3FT-022422MSD	R2201689-001MSD	Soil	02/24/22
11	HAE-TP03-4FT-022422MS	R2201689-006MS	Soil	02/24/22
12	HAE-TP03-4FT-022422MSD	R2201689-006MSD	Soil	02/24/22
13				
14				
15				
16				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?	✓			
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?	✓			
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)		✓		
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?		✓		
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?	✓			
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.		✓		
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?	✓			
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC #: 53800A4b

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Page: 1 of 1
Reviewer: ATV

All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1-8	S	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
QC		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
9,10	S	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
11,12	↓	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___

Analysis Method

ICP		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
ICP-MS		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___
GFAA		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, ___ ___

Comments: Mercury by CVAA if performed

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

METHOD: Trace metals (EPA SW 864 Method 6010B/6020/7000) Soil preparation factor applied: NA
Sample Concentration units, unless otherwise noted: mg/kg Associated Samples: all

Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (ug/L)	Action Level	1	2	8						
Sb			7.80		2.4/6.6	4.9/6.2	0.604/6.4						

Sample Concentration units, unless otherwise noted: mg/kg Associated Samples: 5 to 8

Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (ug/L)	Action Level									
Tl			7.00										

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".
Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 53800A4b

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Reviewer: ATL

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a matrix spike analyzed for each matrix in this SDG?

Y (N) N/A Were matrix spike percent recoveries (%R) within the control limits of 75-125? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.

Y (N) N/A Were all duplicate sample relative percent differences (RPD) ≤ 20% for samples?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	MS/MSD ID	Matrix	Analyte	MS %Recovery	MSD %Recovery	RPD (Limits)	Associated Samples	Qualifications
	9/10	S	Cr	16 (75-125)	18 (75-125)		all	J/UJ/A (detect) PS=84%
			Sb		74 (75-125)		all	J/UJ/A (detect/non-detect)
			Ca			92 (≤ 20%)	all	J/UJ/A (detect)
			Mg			130 (≤ 20%)	all	J/UJ/A (detect)
			Mn			28 (≤ 20%)	all	J/UJ/A (detect)
			Hg			21 (≤ 20%)	all	J/UJ/A (detect)

Comments: 9/10: Al,As,Ca,Cu,Fe,Pb,Mg,Mn,Zn,Hg > 4X

LDC #: 53800A46

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: ATV

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = \frac{Found}{True} \times 100$$

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
CRDL	ICP (Low Level calibration)	Be	5.200	5.000	104	104	Y
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	As	992.3	1000.00	99	99	Y
	ICP/MS (Initial calibration)						
ICV	CVAA (Initial calibration)	Hg	3.018	3.00	101	101	Y
CCV4	ICP (Continuing calibration)	Ni	1967.4	2000.00	98	98	Y
	ICP/MS (Continuing calibration)						
CCV5	CVAA (Continuing calibration)	Hg	3.159	3.00	105	105	Y

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 53800A4b

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	mg/kg Found / S / I (units)	mg/kg True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Cu	532.00 µg/L	500.00 µg/L	106	106	Y
LCS	Laboratory control sample	Hg	0.1028	0.100	103	103	Y
9	Matrix spike	Sb	(SSR-SR) 40.871	53.9	76	76	Y
9/10	Duplicate	Sb	41.974	43.245	3	3	Y
1	Post digestion spike	Se	852.9 µg/L	1010 µg/L	84	84	Y
1	ICP serial dilution	V	33.846	32.725	3	3	Y

Comments: _____

LDC #: 53800A46

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATV

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Hg were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation: #4

$5.434 \times 200 \times \left(\frac{50}{0.54}\right) \times \left(\frac{1}{0.938}\right) = 107281.055 \times \frac{1}{1000}$

$= 107.281$

#	Sample ID	Analyte	Reported Concentration (mg/kg)	Calculated Concentration mg/kg	Acceptable (Y/N)
	1	Hg	445	445	Y
	2	Hg	124	123.810	
	3	Hg	293	293.304	
	4	Hg	107	107.281	
	5	Hg	41.3	41.295	
	6	Hg	28.7	28.739	
	7	Hg	28.8	28.824	
	8	Hg	18.2	18.201	
	1	Al	5020	5022.231	
	2	Ba	453	453.203	
	3	Cr	35.1	35.096	
	4	Fe	7590	7585.781	
	5	Mn	207	207.120	
	6	K	433	432.793	
	7	Na	117	116.703	
	8	Zn	136	135.858	

Note:

LDC #: 53800A6
SDG #: R2201689
Laboratory: ALS Environmental, Rochester, NY

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 7/7/22
Page: 1 of 1
Reviewer: ATV
2nd Reviewer: RLK

METHOD: (Analyte) Total Solids (ALS SOP)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II	Initial calibration	N	not required
III.	Calibration verification	N	↓
IV	Laboratory Blanks	A	
V	Field blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	not required
VII.	Duplicate sample analysis	A	
VIII.	Laboratory control samples	N	not required
IX.	Field duplicates	N	
X.	Target Analyte Quantitation	A	none < RL
XI	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	HAE-TP01-3-022422	R2201689-001	Soil	02/24/22
2	HAE-TP01-5-022422	R2201689-002	Soil	02/24/22
3	HAE-TP02-5-022422	R2201689-003	Soil	02/24/22
4	HAE-TP02-3-022422	R2201689-004	Soil	02/24/22
5	HAE-TP03-3-022422	R2201689-005	Soil	02/24/22
6	HAE-TP03-4-022422	R2201689-006	Soil	02/24/22
7	HAE-TP04-5-022422	R2201689-007	Soil	02/24/22
8	HAE-TP04-3-022422	R2201689-008	Soil	02/24/22
9	HAE-TP04-3-022422DUP	R2201689-008DUP	Soil	02/24/22
10				
11				
12				
13				
14				
15				

Notes:

METHOD: Inorganics				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
II. Calibration				
Were all instruments calibrated at the required frequency?			✓	
Were the proper number of standards used?			✓	
Were all initial and continuing calibration verifications within the QC limits?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?			✓	
Were balance checks performed as required?	✓			
III. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?			✓	
IV. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?	✓			
V. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?			✓	
Were the LCS recoveries and RPDs (if applicable) within QC limits?			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?			✓	
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			

METHOD: Inorganics				
Validation Area	**Yes**	**No**	**NA**	**Comments**
XII. Field Duplicates				
Were field duplicates identifed in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC #: 53800A6

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Inorganics, Method see cover

Percent recoveries (%R) for a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

Sample ID	Type of Analysis	Element	90 Found / S (units)	90 True / D (units)	Recalculated %R / RPD	Reported %R / RPD	Acceptable (Y/N)
	Laboratory control sample						
	Matrix spike sample		(SSR-SR)				
9	Duplicate sample	TS	94.612	94.407	0.216	<1	Y

Comments: _____

LDC #: 53800A6

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATV

METHOD: Inorganics, Method See cover

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments?
(Y) N N/A Are all detection limits below the CRQL?

Compound (analyte) results for TS reported with a positive detect were recalculated and verified using the following equation:

Concentration =

Recalculation: #4

$$\frac{(12.04 - 2.50)}{(12.67 - 2.50)} \times 100 = 93.805$$

#	Sample ID	Analyte	Reported Concentration (%)	Calculated Concentration (%)	Acceptable (Y/N)
	1	TS	91.0	91	Y
	2	TS	92.4	92.366	
	3	TS	91.1	91.111	
	4	TS	93.8	93.805	
	5	TS	93.5	93.495	
	6	TS	95.2	95.224	
	7	TS	93.5	93.464	
	8	TS	94.4	94.407	

Note:

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Anchor QEA, LLC
1201 Third Ave. Suite 2600
Seattle, WA 98101
ATTN: Ms. Jennifer Marsalla
jmarsalla@anchorqea.com

October 27, 2022

SUBJECT: Gold Street Public Utility Regulating Station (PURS), 164 John Street - Data Validation

Dear Ms. Marsalla,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on June 20, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #54508:

SDG #	Fraction
R2205036 R2005037	Volatiles, Semivolatiles, polychlorinated biphenyls, Metals, Total Solids

The data validation was performed under Category B guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA Region 2 Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C, SOP HW-24, Revision 4 (October 2014)
- USEPA Region 2 Standard Operating Procedure for Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8270D, SOP HW-22, Revision 5 (December 2010), Revision 0 (June 2015)
- USEPA Region 2 Standard Operating Procedure for Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8270D, SOP HW-22, Revision 5 (December 2010)
- USEPA Region 2 Standard Operating Procedure for Validating PCB Compounds, PCBs by Gas Chromatography SW-846 Method 8082A, SOP HW-45, Revision 1 (October 2006)
- USEPA National Functional Guidelines for Organic Superfund Methods Data Review, EPA 540-R-20-005 (November 2020)
- USEPA Region 2 Standard Operating Procedure for ICP-AES Data Validation, SOP No. HW-3a, ISM02.2, Revision 1 (September 2016)
- USEPA Region 2 Standard Operating Procedure for Mercury and Cyanide Data Validation, SOP No. HW-3c, ISM02.2, Revision 1 (September 2016)
- USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, EPA 542-R-20-006 (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

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

Sincerely,

Stella Cuenco
scuenco@lab-data.com
Project Manager/Senior Chemist

Category B EDD **LDC# 54508 (Anchor Environmental-Seattle WA / Consolidated Edison, John Street)**

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (8260C)		SVOA (8270D)		PCBs (8082A)		Metals (6010C /7471B)		Total Solids (ALS)																									
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	R2205036	06/20/22	07/12/22	0	2	0	4	0	2	0	2	0	2																								
B	R2005037	06/20/22	07/12/22	0	10	0	20	0	10	0	10	0	10																								
Total	T/KK			0	12	0	24	0	12	0	12	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72

Shaded cells indicate Category B validation (all other cells are Category A validation). These sample counts do not include MS, MSD, or DUP's.

Site:	Gold Street Public Utility Regulating Station (PURS), 164 John Street, Brooklyn, New York
Laboratory:	ALS Environmental, Rochester, NY
Report No.:	R2205036
Reviewer:	Felomina Tanguilig and Stella Cuenco/Laboratory Data Consultants for Anchor Environmental – Seattle, WA
Date:	October 26, 2022

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
JSSC-TP03-220601	R2205036-001	VOC, SVOC, PCB
JSSC-TP03-220601RE	R2205036-001RE	SVOC
JSSC-TP02-220601	R2205036-002	VOC, SVOC, PCB
JSSC-TP02-220601RE	R2205036-002RE	SVOC

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed soil samples were collected on June 1, 2022 and were analyzed for volatile organic compounds (VOCs) by SW-846 8260C, semivolatile organic compounds (SVOCs) by SW-846 method 8270D, and polychlorinated biphenyls (PCBs) by SW-846 method 8082A. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C,* SOP HW-24, Revision 4 (October 2014), the USEPA Region 2 *Standard Operating Procedure for Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8270D,* SOP HW-22, Revision 5 (December 2010), Revision 0 (June 2015), the USEPA Region 2 *Standard Operating Procedure for Validating PCB Compounds, PCBs by Gas Chromatography SW-846 Method 8082A,* SOP HW-45, Revision 1 (October 2006), and the USEPA *National Functional Guidelines for Organic Superfund Methods Data Review,* EPA 540-R-20-005 (November 2020), modified as necessary to accommodate the non-CLP methodologies used

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

VOC and SVOC

The chain-of-custodies were reviewed for documentation of cooler temperatures. Cooler temperatures for all samples were reported at 10.8°C, 9.5°C, 8.1°C, 12.8°C, and 11.6°C upon receipt by the laboratory. The results can be used for project objectives as estimated values (J) and nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

PCB

The chain-of-custodies were reviewed for documentation of cooler temperatures. Cooler temperatures for all samples were reported at 10.8°C, 9.5°C, 8.1°C, 12.8°C, and 11.6°C upon receipt by the laboratory.

GC/MS Tunes

VOC and SVOC

All criteria were met.

Initial and Continuing Calibrations

VOC and PCB

All criteria were met.

SVOC

Initial calibration:

All criteria were met.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
06/08/22	CCV	4-Nitrophenol	39.8	JSSC-TP03-220601 JSSC-TP02-220601	XX	None
06/09/22	CCV	2,3,4,6-Tetrachlorophenol	24.7	JSSC-TP03-220601RE	XX	None
		2,4,6-Trichlorophenol	22.2	JSSC-TP02-220601RE	XX	
		2,4-Dichlorophenol	22.6		XX	
		2,4-Dinitrotoluene	21.5		XX	
		4-Chloroaniline	22.0		XX	
		4-Nitroaniline	21.8		XX	
		4-Nitrophenol	27.6		XX	
		Caprolactam	22.8		XX	
		Pentachlorophenol	22.9		XX	

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

Validation action was not required for the compounds listed above due to continuing calibration exceedance as positive results only are affected and these compounds were not detected in the associated samples.

Blanks

Contamination was not detected in the method blanks.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

MS/MSD analyses were performed on an associated project sample for VOC, SVOC, and PCB analyses. Percent recoveries (%R) were not within QC limits. No data were qualified since there were no associated samples in this SDG. Relative percent differences (RPD) were within QC limits.

LCS Results

VOC and PCB

All criteria were met.

SVOC

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the SVOC analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
RQ2206394-02/03	1,2,4,5-Tetrachlorobenzene	40 (50-150)	-	JSSC-TP03-220601	J detects/UJ nondetects
	2,4,5-Trichlorophenol	45 (50-150)	-	JSSC-TP02-220601	J detects/UJ nondetects
	2,4,6-Trichlorophenol	45 (50-150)	-		J detects/UJ nondetects
	2,4-Dichlorophenol	46 (50-150)	-		J detects/UJ nondetects
	2,4-Dimethylphenol	45 (50-150)	-		J detects/UJ nondetects
	2,4-Dinitrophenol	43 (50-150)	-		J detects/UJ nondetects
	2,4-Dinitrotoluene	48 (50-150)	-		J detects/UJ nondetects
	2,6-Dinitrotoluene	48 (50-150)	-		J detects/UJ nondetects
	2-Chloronaphthalene	43 (50-150)	-		J detects/UJ nondetects
	2-Chlorophenol	43 (50-150)	-		J detects/UJ nondetects
	2-Methylnaphthalene	46 (50-150)	-		J detects/UJ nondetects
	2-Methylphenol	45 (50-150)	-		J detects/UJ nondetects
	2-Nitroaniline	46 (50-150)	-		J detects/UJ nondetects
	2-Nitrophenol	44 (50-150)	-		J detects/UJ nondetects
	3&4-Methylphenol	42 (50-150)	-		J detects/UJ nondetects
	3-Nitroaniline	33 (50-150)	48 (50-150)		J detects/UJ nondetects
	4,6-Dinitro-2-methylphenol	36 (50-150)	-		J detects/UJ nondetects
	4-Bromophenyl-phenyl ether	47 (50-150)	-		J detects/UJ nondetects
	4-Chloro-3-methylphenol	45 (50-150)	-		J detects/UJ nondetects
	4-Chloroaniline	31 (50-150)	45 (50-150)		J detects/UJ nondetects
	4-Chlorophenyl-phenyl ether	45 (50-150)	-		J detects/UJ nondetects

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
RQ2206394-02/03 (cont.)	4-Nitroaniline	42 (50-150)	-	JSSC-TP03-220601	J detects/UJ nondetects
	4-Nitrophenol	45 (50-150)	-	JSSC-TP02-220601	J detects/UJ nondetects
	Acenaphthene	44 (50-150)	-		J detects/UJ nondetects
	Acenaphthylene	49 (50-150)	-		J detects/UJ nondetects
	Acetophenone	38 (50-150)	-		J detects/UJ nondetects
	Anthracene	46 (50-150)	-		J detects/UJ nondetects
	Benzo(a)anthracene	43 (50-150)	-		J detects/UJ nondetects
	Benzo(b)fluoranthene	43 (50-150)	-		J detects/UJ nondetects
	Benzo(g,h,i)perylene	41 (50-150)	-		J detects/UJ nondetects
	Benzo(k)fluoranthene	46 (50-150)	-		J detects/UJ nondetects
	Biphenyl	39 (50-150)	-		J detects/UJ nondetects
	2,2'-Oxybis(1-chloropropane)	43 (50-150)	-		J detects/UJ nondetects
	Bis(2-chloroethyl) ether	44 (50-150)	-		J detects/UJ nondetects
	Bis(2-ethylhexyl)phthalate	48 (50-150)	-		J detects/UJ nondetects
	Butylbenzylphthalate	45 (50-150)	-		J detects/UJ nondetects
	Caprolactam	44 (50-150)	-		J detects/UJ nondetects
	Carbazole	48 (50-150)	-		J detects/UJ nondetects
	Chrysene	42 (50-150)	-		J detects/UJ nondetects
	Di-n-butylphthalate	49 (50-150)	-		J detects/UJ nondetects
	Dibenzo(a,h)anthracene	37 (50-150)	-		J detects/UJ nondetects
	Dibenzofuran	44 (50-150)	-		J detects/UJ nondetects
	Diethylphthalate	44 (50-150)	-		J detects/UJ nondetects
	Dimethylphthalate	45 (50-150)	-		J detects/UJ nondetects
	Fluoranthene	46 (50-150)	-		J detects/UJ nondetects
	Fluorene	45 (50-150)	-		J detects/UJ nondetects
	Hexachlorobenzene	45 (50-150)	-		J detects/UJ nondetects
	Hexachlorobutadiene	46 (50-150)	-		J detects/UJ nondetects
	Hexachloroethane	42 (50-150)	-		J detects/UJ nondetects
	Indeno(1,2,3-cd)pyrene	41 (50-150)	-		J detects/UJ nondetects
	N-Nitroso-di-n-propylamine	42 (50-150)	-		J detects/UJ nondetects
	Naphthalene	44 (50-150)	-		J detects/UJ nondetects
	Nitrobenzene	45 (50-150)	-		J detects/UJ nondetects
	Phenanthrene	44 (50-150)	-		J detects/UJ nondetects
	Phenol	42 (50-150)	-		J detects/UJ nondetects
	Pyrene	46 (50-150)	-		J detects/UJ nondetects

- Within control limits

The results for the compounds listed above may be biased low due to low LCS/LCSD percent recoveries. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

The following table lists the LCS/LCSD relative percent differences (RPD) outside of control limits in the SVOC analysis and the resulting validation actions.

LCS ID	Compound	RPD (Limits)	Affected Sample	Validation Action
RQ2206394-02/03	1,2,4,5-Tetrachlorobenzene	44 (≤35)	JSSC-TP03-220601	None
	2,3,4,6-Tetrachlorophenol	41 (≤35)	JSSC-TP02-220601	
	2,4,5-Trichlorophenol	40 (≤35)		
	2,4,6-Trichlorophenol	39 (≤35)		
	2,4-Dichlorophenol	39 (≤35)		
	2,4-Dimethylphenol	38 (≤35)		
	2,4-Dinitrotoluene	41 (≤35)		
	2,6-Dinitrotoluene	41 (≤35)		
	2-Chloronaphthalene	40 (≤35)		
	2-Chlorophenol	38 (≤35)		
	2-Methylnaphthalene	37 (≤35)		
	2-Methylphenol	39 (≤35)		
	2-Nitroaniline	43 (≤35)		
	2-Nitrophenol	37 (≤35)		
	3&4-Methylphenol	39 (≤35)		
	3-Nitroaniline	40 (≤35)		
	4,6-Dinitro-2-methylphenol	35 (≤35)		
	4-Bromophenyl-phenyl ether	39 (≤35)		
	4-Chloro-3-methylphenol	39 (≤35)		
	4-Chloroaniline	36 (≤35)		
	4-Chlorophenyl-phenyl ether	40 (≤35)		
	4-Nitroaniline	41 (≤35)		
	4-Nitrophenol	44 (≤35)		
	Acenaphthene	39 (≤35)		
	Acenaphthylene	39 (≤35)		
	Acetophenone	41 (≤35)		
	Anthracene	38 (≤35)		
	Benzo(a)anthracene	40 (≤35)		
	Benzo(a)pyrene	44 (≤35)		
	Benzo(b)fluoranthene	44 (≤35)		
	Benzo(g,h,i)perylene	44 (≤35)		
	Benzo(k)fluoranthene	43 (≤35)		
	Biphenyl	46 (≤35)		
	2,2'-Oxybis(1-chloropropane)	39 (≤35)		
	Bis(2-chloroethoxy)methane	37 (≤35)		
	Bis(2-chloroethyl) ether	38 (≤35)		
	Bis(2-ethylhexyl)phthalate	41 (≤35)		
	Butylbenzylphthalate	42 (≤35)		
	Caprolactam	43 (≤35)		
	Carbazole	40 (≤35)		
	Chrysene	41 (≤35)		
	Di-n-octylphthalate	44 (≤35)		
	Dibenzo(a,h)anthracene	39 (≤35)		
	Dibenzofuran	39 (≤35)		
	Diethylphthalate	40 (≤35)		
	Dimethylphthalate	40 (≤35)		
	Fluoranthene	39 (≤35)		
	Fluorene	41 (≤35)		
	Hexachlorobenzene	37 (≤35)		
	Hexachlorobutadiene	36 (≤35)		
	Hexachlorocyclopentadiene	34 (≤35)		

LCS ID	Compound	RPD (Limits)	Affected Sample	Validation Action
RQ2206394-02/03 (cont.)	Hexachloroethane	36 (≤35)	JSSC-TP03-220601	None
	Indeno(1,2,3-cd)pyrene	44 (≤35)	JSSC-TP02-220601	
	Isophorone	38 (≤35)		
	N-Nitroso-di-n-propylamine	40 (≤35)		
	N-Nitrosodiphenylamine	39 (≤35)		
	Naphthalene	37 (≤35)		
	Nitrobenzene	37 (≤35)		
	Pentachlorophenol	36 (≤35)		
	Phenanthrene	39 (≤35)		
	Phenol	39 (≤35)		
	Pyrene	40 (≤35)		
RQ2206394-02/03	Di-n-butylphthalate	42 (≤35)	JSSC-TP02-220601	J detects
RQ2206394-02/03	Di-n-butylphthalate	42 (≤35)	JSSC-TP03-220601	None

Validation action was not required for the compounds listed above due to LCS/LCSD relative percent difference exceedances as positive results only are affected and these compounds were not detected in the associated samples.

The di-n-butylphthalate result was estimated due to LCS/LCSD relative percent difference exceedance. The bias cannot be determined. The result can be used for project objectives as an estimated value (J) which may have a minor impact on the data usability.

Internal Standards

VOC and PCB

All criteria were met.

SVOC

The following table lists the internal standard area outside of control limits in the SVOC analysis and the resulting validation actions.

Sample	Internal Standard	Area Exceedances (Limits)	Affected Compounds	Validation Action
JSSC-TP03-220601RE	1,4-Dichlorobenzene-d4	791549 (186627-746506)	Phenol	UJ nondetects
	Acenaphthene-d10	1652361 (391499-1565996)	Bis(2-chloroethyl) ether	UJ nondetects
	Naphthalene-d8	3095619 (762254-3049016)	2-Chlorophenol	UJ nondetects
	Phenanthrene-d10	2757987 (637672-2550688)	2-Methylphenol	UJ nondetects
			2,2'-Oxybis(1-chloropropane)	UJ nondetects
			N-Nitroso-di-n-propylamine	UJ nondetects
			Hexachloroethane	UJ nondetects
			Nitrobenzene	UJ nondetects
			Isophorone	UJ nondetects
			2-Nitrophenol	UJ nondetects
			2,4-Dimethylphenol	UJ nondetects
			Bis(2-chloroethoxy)methane	UJ nondetects
			2,4-Dichlorophenol	UJ nondetects
			1,2,4-Trichlorobenzene	UJ nondetects
			Naphthalene	UJ nondetects
			4-Chloroaniline	UJ nondetects
			Hexachlorobutadiene	UJ nondetects
			4-Chloro-3-methylphenol	UJ nondetects
			2-Methylnaphthalene	UJ nondetects
			Hexachlorocyclopentadiene	UJ nondetects
			2,4,6-Trichlorophenol	UJ nondetects
			2,4,5-Trichlorophenol	UJ nondetects
			2-Chloronaphthalene	UJ nondetects
			Dimethylphthalate	UJ nondetects
			Acenaphthylene	UJ nondetects
			2,6-Dinitrotoluene	UJ nondetects
			3-Nitroaniline	UJ nondetects
			Acenaphthene	UJ nondetects
			2,4-Dinitrophenol	UJ nondetects
JSSC-TP03-220601RE	1,4-Dichlorobenzene-d4	791549 (186627-746506)	4-Nitrophenol	UJ nondetects
	Acenaphthene-d10	1652361 (391499-1565996)	Dibenzofuran	UJ nondetects
	Naphthalene-d8	3095619 (762254-3049016)	2,4-Dinitrotoluene	UJ nondetects
	Phenanthrene-d10	2757987 (637672-2550688)	Diethylphthalate	UJ nondetects
			4-Chlorophenyl-phenyl ether	UJ nondetects
			Fluorene	UJ nondetects
			4-Nitroaniline	UJ nondetects
			4,6-Dinitro-2-methylphenol	UJ nondetects
			N-Nitrosodiphenylamine	UJ nondetects
			Hexachlorobenzene	UJ nondetects
			Pentachlorophenol	UJ nondetects
			Phenanthrene	UJ nondetects
			Anthracene	UJ nondetects
			Carbazole	UJ nondetects
			Di-n-butylphthalate	UJ nondetects
			Fluoranthene	UJ nondetects
			Biphenyl	UJ nondetects
			Acetophenone	UJ nondetects
			Atrazine	UJ nondetects
			Benzaldehyde	UJ nondetects
			Caprolactam	UJ nondetects
			3&4-Methylphenol	UJ nondetects
			2,3,4,6-Tetrachlorophenol	UJ nondetects
			1,2,4,5-Tetrachlorobenzene	UJ nondetects

The bias cannot be determined for the samples listed above due to internal standard area exceedances. The results are usable for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on data usability.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Moisture Content

All criteria were met.

Quantitation Limits and Data Assessment

No results were reported below the reporting limit (RL) and above the method detection limit (MDL) in the VOC, SVOC, and PCB analyses.

Dilutions were not required for VOC, SVOC, and PCB analyses.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

SVOC

In the case where more than one result was reported for an individual sample, the least technically acceptable results were deemed not reportable as follows:

Sample	Compound	Reason	Validation Action
JSSC-TP03-220601RE	All compounds	Results from original analysis were more usable.	Not reportable
JSSC-TP02-220601	All compounds except Di-n-butylphthalate	Results from reextraction were more usable.	Not reportable
JSSC-TP02-220601RE	Di-n-butylphthalate	Result from original analysis were more usable.	Not reportable

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 54508A1a

SDG #: R2205036

Laboratory: ALS Environmental, Rochester, NY

VALIDATION COMPLETENESS WORKSHEET

Category B

Date: 9/22/22

Page: 1 of 1

Reviewer:

2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	SW, A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A, A	%D RSD ≤20, r² ICV ≤30
IV.	Continuing calibration	A	CCV ≤20
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	SW	~~as~~ R2205037-008MS/D (%R NO Ass. Sample)
IX.	Laboratory control samples	A	LCS
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	A	
XIII.	Target analyte identification	A	MI
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	JSSC-TP03-220601	R2205036-001	Soil	06/01/22
2	JSSC-TP02-220601	R2205036-002	Soil	06/01/22
3				
4				
5				
6				
7				
8				
9				

Notes:

	R2206435-04						

LDC #: 54506A1a

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: Volatiles (EPA SW 846 Method 8260 C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	~~NA~~ ✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%, 15/30% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20% 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?	✓			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation findings worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	✓			
Were target analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target analyte identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did analyte spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?	✓		.	
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 54908A1a

VALIDATION FINDINGS WORKSHEET
Technical Holding Times

Reviewer: FT

All circled dates have exceeded the technical holding times.
Y (N) N/A Were all cooler temperatures within validation criteria?
Y N N/A Were air bubbles > 1/4 inch or was headspace present in the vials?

METHOD : GC/MS VOA (EPA SW 846 Method 8260)

Sample ID	Matrix	Preserved	Sampling Date	Extraction date	Analysis date	Total # of Days	Qualifier
All	cooler temp-			10.8, 9.5, 8.1, 17.8, 11.6°C			J/UJ/A (ND)

TECHNICAL HOLDING TIME CRITERIA

Water unpreserved:	Aromatic within 7 days, non-aromatic within 14 days of sample collection.
Water preserved:	Within 14 days of sample collection.
Soil:	Within 14 days of sample collection.

LDC #: 54508A1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the target analytes identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of target analyte
C_x = Concentration of target analyte
S = Standard deviation of the RRFs
X = Mean of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

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#	Standard ID	Calibration Date	Target Analyte (Internal Standard)	Reported RRF (20 std)	Recalculated RRF (20 std)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported %RSD	Recalculated %RSD
1	ICAL	5/31/22	K	0.808	0.808	0.8606	0.8606	8.3	8.3
			V	1.063	1.063	1.155	1.155	7.3	7.3
			EE	0.4574	0.4574	0.4791	0.4791	5.5	5.5
			JJJ	1.302	1.302	1.409	1.409	6.3	6.3
2									
3									
4									

Comments: _____

LDC #: 54508A1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where:
ave. RRF = initial calibration average RRF
A_x = Area of target analyte
C_x = Concentration of target analyte
RRF = continuing calibration RRF
A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

page 303

#	Standard ID	Calibration Date	Target Analyte (Internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV	6/8/22 1019	K	0.8606	0.8422	0.8422	2.1	2.1
			V	1.155	1.113	1.113	3.6	3.6
			EE	0.4791	0.4452	0.4452	7.1	7.1
			JJJ	1.409	1.3243	1.3243	6.0	6.0
2								
3								
4								

LDC #: 54508A1a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	50.0	49.70	99	99	0
1,2-Dichloroethane-d4					
Toluene-d8	↓	49.24	98	98	0
Bromofluorobenzene	↓	48.44	97	97	0

Comments: _____

LDC #: 54508A1a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the target analytes identified below using the following calculation:

% Recovery = 100 * SSC/SA

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC)

Where: SSC = Spiked sample concentration
SA = Spike added
LCSC = Laboratory control sample concentration
LCSDC = Laboratory control sample duplicate concentration

LCS ID: R0220635-03

Compound	Spike Added (ug/kg)		Spiked Sample Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
1,1-Dichloroethene	20.0	NA	19.6	NA	98	98				
Trichloroethene	↓		19.3		96	96				
Benzene			18.7		94	94				
Toluene			18.4		92	92				
Chlorobenzene			17.7		88	88				

Comments: _____

LDC #: 54508A1a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 Cy

The concentration of the sample was calculated for the target analytes identified below using the following calculation:

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the target analyte to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. RQ2206435-03 V

Conc. = $\frac{269721 \quad (50)}{(624394)(1.155)}$

= 18.7 ug/kg

#	Sample ID	Compound	Reported Concentration (ug/kg)	Calculated Concentration (18.7) ug/kg	Qualification
	LCS	V	18.7	18.7	-

LDC #: 54508A2a **VALIDATION COMPLETENESS WORKSHEET** Date: 9/22/22
SDG #: R2205036 Category B Page: 1 of 1
Laboratory: ALS Environmental, Rochester, NY Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS Semivolatiles (EPA SW-846 Method 8270D)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	SW/Δ	
II.	GC/MS Instrument performance check	Δ	
III.	Initial calibration/ICV	A/Δ	%RSD ≤ 20, r ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	Δ	
VI.	Field blanks	N	
VII.	Surrogate spikes	Δ	R2205037-008RE MS/D (%R, RPD's samples)
VIII.	Matrix spike/Matrix spike duplicates	SW	R2205037-008MS/D
IX.	Laboratory control samples	SW	LCS/D
X.	Field duplicates	N	
XI.	Internal standards	SW	
XII.	Target analyte quantitation	Δ	
XIII.	Target analyte identification	Δ	MI
XIV.	System performance	Δ	
XV.	Overall assessment of data	SW	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	JSSC-TP03-220601	R2205036-001	Soil	06/01/22
2	JSSC-TP03-220601RE	R2205036-001RE	Soil	06/01/22
3	JSSC-TP02-220601	R2205036-002	Soil	06/01/22
4	JSSC-TP02-220601RE	R2205036-002RE	Soil	06/01/22
5				
6				
7				
8				
9				

Notes:

	RQ2206394-01		6/9 ext.				
	RQ2206596-01		6/9 ext				

LDC #: 54508 A2a **VALIDATION FINDINGS CHECKLIST** Page: 1 of 2
Reviewer: FT

Method: Semivolatiles (EPA SW 846 Method 8270 D)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓	✓		
II. GC/MS Instrument performance check				
Were the DFTPP performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% 15/30% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20% 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the blanks validation findings worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?		✓	✓	
Were target analytes detected in the field blanks?				
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any percent recoveries (%R) was less than 10%, was a reanalysis performed to confirm %R ?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?		✓		
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target analyte identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?			✓	
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

(DCB) NPT * ANT ✓ PHN * *

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	CC. Dimethylphthalate ✓	EEE. Bis(2-ethylhexyl)phthalate	GGGG. C30-Hopane	I1. Methyl methanesulfonate
B. Bis (2-chloroethyl) ether	DD. Acenaphthylene ✓	FFF. Di-n-octylphthalate	HHHH. 1-Methylphenanthrene	J1. Ethyl methanesulfonate
C. 2-Chlorophenol	EE. 2,6-Dinitrotoluene ✓	GGG. Benzo(b)fluoranthene	IIII. 1,4-Dioxane	K1. o,o',o''-Triethylphosphorothioate
D. 1,3-Dichlorobenzene	FF. 3-Nitroaniline ✓	HHH. Benzo(k)fluoranthene	JJJJ. Acetophenone	L1. n-Phenylene diamine
E. 1,4-Dichlorobenzene	GG. Acenaphthene ✓	III. Benzo(a)pyrene	KKKK. Atrazine * *	M1. 1,4-Naphthoquinone
F. 1,2-Dichlorobenzene	HH. 2,4-Dinitrophenol ✓	JJJ. Indeno(1,2,3-cd)pyrene	LLLL. Benzaldehyde	N1. N-Nitro-o-toluidine
G. 2-Methylphenol	II. 4-Nitrophenol ✓	KKK. Dibenz(a,h)anthracene	MMMM. Caprolactam *	O1. 1,3,5-Trinitrobenzene
H. 2,2'-Oxybis(1-chloropropane)	JJ. Dibenzofuran ✓	LLL. Benzo(g,h,i)perylene	NNNN. 2,6-Dichlorophenol	P1. Pentachlorobenzene
I. 4-Methylphenol	KK. 2,4-Dinitrotoluene ✓	MMM. Bis(2-Chloroisopropyl)ether	OOOO. 1,2-Diphenylhydrazine	Q1. 4-Aminobiphenyl
J. N-Nitroso-di-n-propylamine	LL. Diethylphthalate ✓	NNN. Aniline	PPPP. 3-Methylphenol	R1. 2-Naphthylamine
K. Hexachloroethane	MM. 4-Chlorophenyl-phenyl ether ✓	OOO. N-Nitrosodimethylamine	QQQQ. 3&4-Methylphenol	S1. Triphenylene
L. Nitrobenzene *	NN. Fluorene ✓	PPP. Benzoic Acid	RRRR. 4-Dimethyldibenzothiophene (4MDT)	T1. Octachlorostyrene
M. Isophorone *	OO. 4-Nitroaniline ✓	QQQ. Benzyl alcohol	SSSS. 2/3-Dimethyldibenzothiophene (4MDT)	U1. Famphur
N. 2-Nitrophenol *	PP. 4,6-Dinitro-2-methylphenol * *	RRR. Pyridine	TTTT. 1-Methyldibenzothiophene (1MDT)	V1. 1,4-phenylenediamine
O. 2,4-Dimethylphenol *	QQ. N-Nitrosodiphenylamine * *	SSS. Benzidine	UUUU.. 2,3,4,6-Tetrachlorophenol ✓	W1. Methapyrilene
P. Bis(2-chloroethoxy)methane *	RR. 4-Bromophenyl-phenylether	TTT. 1-Methylnaphthalene	VVVV. 1,2,4,5-Tetrachlorobenzene ✓	X1. Pentachloroethane
Q. 2,4-Dichlorophenol *	SS. Hexachlorobenzene * *	UUU.Benzo(b)thiophene	WWWW.. 2-Picoline	Y1. 3,3'-Dimethylbenzidine
R. 1,2,4-Trichlorobenzene	TT. Pentachlorophenol * *	VVV.Benzonaphthothiophene	XXXX. 3-Methylcholanthrene	Z1. o-Toluidine
S. Naphthalene *	UU. Phenanthrene * *	WWW.Benzo(e)pyrene	YYYY. a,a-Dimethylphenethylamine	A2. 1-Naphthylamine
T. 4-Chloroaniline *	VV. Anthracene * *	XXX. 2,6-Dimethylnaphthalene	ZZZZ. Hexachloropropene	B2. 4-Aminobiphenyl
U. Hexachlorobutadiene *	WW. Carbazole * *	YYY. 2,3,5-Trimethylnaphthalene	A1. N-Nitrosodiethylamine	C2. 4-Nitroquinoline-1-oxide
V. 4-Chloro-3-methylphenol *	XX. Di-n-butylphthalate * *	ZZZ. Perylene	B1. N-Nitrosodi-n-butylamine	D2. Hexachloropene
W. 2-Methylnaphthalene *	YY. Fluoranthene * *	AAAA. Dibenzothiophene	C1. N-Nitrosomethylethylamine	E2. Bis (2-chloro-1-methylethyl) ether
X. Hexachlorocyclopentadiene ✓	ZZ. Pyrene	BBBB. Benzo(a)fluoranthene	D1. N-Nitrosomorpholine	F2. Bifenthrin
Y. 2,4,6-Trichlorophenol ✓	AAA. Butylbenzylphthalate	CCCC. Benzo(b)fluorene	E1. N-Nitrosopyrrolidine	G2. Cyfluthrin
Z. 2,4,5-Trichlorophenol ✓	BBB. 3,3'-Dichlorobenzidine	DDDD. cis/trans-Decalin	F1. Phenacetin	H2. Cypermethrin
AA. 2-Chloronaphthalene ✓	CCC. Benzo(a)anthracene	EEEE. 1,1'-Biphenyl ✓	G1. 2-Acetylaminofluorene	I2. Permethrin (cis/trans)
BB. 2-Nitroaniline	DDD. Chrysene	FFFF. Retene	H1. Pronamide	J2. 5-Nitro-o-toluidine

LDC #: 54908A2a

VALIDATION FINDINGS WORKSHEET
Technical Holding Times

Page: 1 of 1
Reviewer: FT

All circled dates have exceeded the technical holding times.
Y N N/A Were all cooler temperatures within validation criteria?

METHOD : ___ GC ___ HPLC GCMS SVOA 8270D

Sample ID	Matrix	Preserved	Sampling Date	Extraction date	Analysis date	Total # of Days	Qualifier
All	soil	cooler	temp=	10.8, 9.5,	8.1, 12.8,	11.6°C	J/UJ/A
							ND+Det

TECHNICAL HOLDING TIME CRITERIA

VOLATILES:	Water unpreserved:	Aromatic within 7 days, non-aromatic within 14 days of sample collection.
	Water preserved:	Both within 14 days of sample collection.
	Soils:	Both within 14 days of sample collection.
	Encores unpreserved:	Both within 48 hours of sample collection.
	Encores preserved:	Both within 14 days of sample collection.
EXTRACTABLES:		
	Water:	Extracted within 7 days, analyzed within 40 days.
	Soil:	Extracted within 14 days, analyzed within 40 days.

LDC #: 51508A2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT

METHOD: GC/MS SVOA(EPA Method 8270 D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours of sample analysis for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	6/8/22 1327	CCV	II	39.8		1,3, RQ2206394-01	J det /A ND
	6/9/22 1638	CCV	HHHH	24.7		2,4, RQ2206596-01	J det /A ND
			Y	22.2			
			Q	22.6			
			KK	21.5			
			T	22.0			
			OO	21.8			
			II	27.6			
			MMMM	22.8			
			TT	22.9			

LDC #: 54508A2a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

METHOD: GC/MS BNA (Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS/LCSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	RQ2206394-02/03	see following pages	( )	( )	( )	1, 3	1
			( )	( )	( )	RQ2206394-MB	
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )	All %R = J/UJ/~~A~~P ND+Det	
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )	All %RPD = J/P ND+Det	
			( )	( )	( )		
			( )	( )	( )	#3 is dil for XX	
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205036
Date Analyzed: 06/08/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample RQ2206394-02			Duplicate Lab Control Sample RQ2206394-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene VVV	8270D	1330	3340	40	2080	3360	62	10-174	44*	30
2,3,4,6-Tetrachlorophenol UUU	8270D	1720	3350	51	2620	3380	78	42-127	41*	30
2,4,5-Trichlorophenol Z	8270D	1520	3350	45	2290	3380	68	33-134	40*	30
2,4,6-Trichlorophenol Y	8270D	1520	3350	45	2260	3380	67	24-131	39*	30
2,4-Dichlorophenol Q	8270D	1550	3350	46	2300	3380	68	17-125	39*	30
2,4-Dimethylphenol O	8270D	1510	3350	45	2220	3380	66	21-116	38*	30
2,4-Dinitrophenol HH	8270D	1450 J	3350	43	1770	3380	52	10-80	20	30
2,4-Dinitrotoluene KK	8270D	1600	3350	48	2430	3380	72	55-118	41*	30
2,6-Dinitrotoluene EE	8270D	1600	3350	48	2420	3380	72	38-136	41*	30
2-Chloronaphthalene AA	8270D	1450	3350	43	2170	3380	64	27-121	40*	30
2-Chlorophenol C	8270D	1440	3350	43	2120	3380	63	20-97	38*	30
2-Methylnaphthalene W	8270D	1530	3350	46	2220	3380	66	23-111	37*	30
2-Methylphenol G	8270D	1520	3350	45	2250	3380	67	28-105	39*	30
2-Nitroaniline BB	8270D	1550 J	3350	46	2400	3380	71	40-124	43*	30
2-Nitrophenol N	8270D	1490	3350	44	2160	3380	64	15-107	37*	30
3- and 4-Methylphenol Coelution	8270D	1400	3350	42	2070	3380	61	25-112	39*	30
3-Nitroaniline FF	8270D	1100 J	3350	33	1640 J	3380	48	36-112	40*	30
4,6-Dinitro-2-methylphenol PP	8270D	1210 J	3350	36	1720	3380	51	23-107	35*	30
4-Bromophenyl Phenyl Ether RR	8270D	1580	3350	47	2340	3380	69	38-138	39*	30
4-Chloro-3-methylphenol V	8270D	1500	3350	45	2220	3380	66	25-123	39*	30
4-Chloroaniline T	8270D	1050	3350	31	1510	3380	45	30-87	36*	30
4-Chlorophenyl Phenyl Ether MM	8270D	1510	3350	45	2280	3380	67	41-130	40*	30
4-Nitroaniline OO	8270D	1420 J	3350	42	2150	3380	64	49-119	41*	30
4-Nitrophenol II	8270D	1500 J	3350	45	2330	3380	69	33-124	44*	30
Acenaphthene GG	8270D	1480	3350	44	2200	3380	65	34-121	39*	30
Acenaphthylene DD	8270D	1640	3350	49	2430	3380	72	39-124	39*	30
Acetophenone JJJ	8270D	2580	6700	38	3900	6760	58	20-89	41*	30
Anthracene VV	8270D	1550	3350	46	2280	3380	67	58-119	38*	30
Benz(a)anthracene CCC	8270D	1440	3350	43	2160	3380	64	60-114	40*	30
Benzo(a)pyrene III	8270D	1800	3350	54 *	2810	3380	83	72-128	44*	30
Benzo(b)fluoranthene GGG	8270D	1440	3350	43	2250	3380	67	64-109	44*	30
Benzo(g,h,i)perylene LLL	8270D	1380	3350	41	2140	3380	63	59-129	44*	30
Benzo(k)fluoranthene HHH	8270D	1540	3350	46	2370	3380	70	70-110	43*	30

%R limit = 50-150%
%RPD limit ≤ 35%

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205036
Date Analyzed: 06/08/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample RQ2206394-02			Duplicate Lab Control Sample RQ2206394-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Biphenyl EEEE	8270D	1320	3350	39	2100	3380	62	17-123	46*	30
2,2'-Oxybis(1-chloropropane) H	8270D	1440	3350	43	2130	3380	63	22-80	39*	30
Bis(2-chloroethoxy)methane P	8270D	1790	3350	54	2610	3380	77	31-112	37*	30
Bis(2-chloroethyl) Ether B	8270D	1460	3350	44	2130	3380	63	21-83	38*	30
Bis(2-ethylhexyl) Phthalate EEE	8270D	1620	3350	48 *	2460	3380	73	57-117	41*	30
Butyl Benzyl Phthalate AAA	8270D	1510	3350	45 *	2310	3380	68	60-116	42*	30
Caprolactam MMMM	8270D	1460	3350	44	2260	3380	67	10-150	43*	30
Carbazole WW	8270D	1620	3350	48 *	2440	3380	72	63-129	40*	30
Chrysene PDN	8270D	1420	3350	42 *	2160	3380	64 *	65-114	41*	30
Di-n-butyl Phthalate XX	8270D	1650	3350	49 *	2530	3380	75	71-126	42*	30
Di-n-octyl Phthalate FFF	8270D	1670	3350	50 *	2620	3380	77	60-115	44*	30
Dibenz(a,h)anthracene KKK	8270D	1260	3350	37 *	1870	3380	55 *	60-128	39*	30
Dibenzofuran JJ	8270D	1490	3350	44	2220	3380	66	38-124	39*	30
Diethyl Phthalate LL	8270D	1460	3350	44 *	2190	3380	65	51-113	40*	30
Dimethyl Phthalate CC	8270D	1500	3350	45	2260	3380	67	40-127	40*	30
Fluoranthene YY	8270D	1540	3350	46 *	2290	3380	68	61-131	39*	30
Fluorene NN	8270D	1500	3350	45	2280	3380	68	39-128	41*	30
Hexachlorobenzene SS	8270D	1520	3350	45	2210	3380	66	42-135	37*	30
Hexachlorobutadiene U	8270D	1550	3350	46	2220	3380	66	19-96	36*	30
Hexachlorocyclopentadiene X	8270D	1790	3350	53	2530	3380	75	10-112	34*	30
Hexachloroethane K	8270D	1400	3350	42	2020	3380	60	15-75	36*	30
Indeno(1,2,3-cd)pyrene JJJ	8270D	1390	3350	41 *	2160	3380	64	60-123	44*	30
Isophorone MM	8270D	1700	3350	51	2500	3380	74	27-106	38*	30
N-Nitrosodi-n-propylamine J	8270D	1420	3350	42	2130	3380	63	22-99	40*	30
N-Nitrosodiphenylamine QQ	8270D	1680	3350	50 *	2510	3380	74	51-127	39*	30
Naphthalene S	8270D	1480	3350	44	2140	3380	63	21-101	37*	30
Nitrobenzene L	8270D	1490	3350	45	2180	3380	64	22-98	37*	30
Pentachlorophenol (PCP) TT	8270D	2010	3350	60	2890	3380	85	46-124	36*	30
Phenanthrene UU	8270D	1480	3350	44 *	2210	3380	65	56-117	39*	30
Phenol A	8270D	1410	3350	42	2100	3380	62	24-102	39*	30
Pyrene ZZ	8270D	1550	3350	46 *	2340	3380	69	67-118	40*	30

LDC #: 54508A2a

VALIDATION FINDINGS WORKSHEET
Internal Standards

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y (N) N/A Were all internal standard area counts within -50 to +100 of the associated calibration standard?

Y (N) N/A Were the retention times of the internal standards within +/- 30 seconds of the retention times of the associated calibration standard?

#	Sample ID	Internal Standard	Area (Limits)	RT (Limits)	Qualifications
PRY ODD	RQ 2206394-01	DCB	9360,88 (209 513 - 838052)		J|UJ/A P per list
		ANT	1916881 (446492 - 1785966)		↓
		NPT	3635892 (861661 - 3446642)		↓
		PHN	3093265 (735656 - 2942622)		↓
	2	DCB	791549 (186,527 - 746,506)		J|UJ/A all ND
		ANT	165 2361 (391499 - 1565996)		↓ per list
		NPT	3095619 (762 254 - 3049016)		↓
CRY PRY		PHN	2757987 (637,672 - 2,550,688)		↓

* QC limits are advisory

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

LDC #: 54508A2a

VALIDATION FINDINGS WORKSHEET
Overall Assessment of Data

Reviewer: FT
2nd Reviewer: _____

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
All available information pertaining to the data were reviewed using professional judgement to compliment the determination of the overall quality of the data.

(Y) N N/A Was the overall quality and usability of the data acceptable?

#	Sample ID	Compound	Finding	Qualifications
	2	All	several IS outside criteria	NR/A
	3	all except XX	several %R + %RPD LCS/D outside criteria	NR/A
	4	all XX	ND	NR/A

this sample is NR

Comments: _____

LDC #: 54508A2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)
The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the target analytes identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of target analyte
C_x = Concentration of target analyte
S = Standard deviation of the RRFs,

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard
X = Mean of the RRFs

#	Standard ID	Calibration Date	Target Analyte / Internal Standard	Reported RRF (20 std)	Recalculated RRF (20 std)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported %RSD	Recalculated %RSD
1	ICAL	4/8/22	Δ (1st IS)	2.095	2.095	2.072	2.072	5.5	5.5
			S (2nd IS)	1.129	1.129	1.133	1.133	4.6	4.6
			GG (3rd IS)	1.325	1.325	1.339	1.339	2.4	2.4
			UU (4th IS)	1.186	1.186	1.199	1.199	4.4	4.4
			PDD (5th IS)	1.332	1.332	1.346	1.346	3.6	3.6
			GGG (6th IS)	1.276	1.276	1.257	1.257	3.3	3.3
2			(1st IS)						
			(2nd IS)						
			(3rd IS)						
			(4th IS)						
			(5th IS)						
			(6th IS)						
3			(1st IS)						
			(2nd IS)						
			(3rd IS)						
			(4th IS)						
			(5th IS)						
			(6th IS)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54508A2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
A_x = Area of target analyte
C_x = Concentration of target analyte
RRF = continuing calibration RRF
A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Target Analyte (Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	ccv	6/8/22 1327	Δ (1st IS)	2.072	2.2416	2.2416	8.2	8.2
			S (2nd IS)	1.133	1.1608	1.1608	2.5	2.5
			GG (3rd IS)	1.339	1.3513	1.3513	0.9	0.9
			HH (4th IS)	1.199	1.1842	1.1842	1.2	1.2
	original		DDD (5th IS)	1.346	1.3581	1.3581	0.9	0.9
			GGG (6th IS)	1.257	1.3365	1.3365	6.3	6.3
2	ccv	6/9/22 1638	(1st IS)		2.3725	2.3725	14.5	14.5
			(2nd IS)		1.2443	1.2443	9.8	9.8
			(3rd IS)		1.4681	1.4681	9.7	9.7
	RE		(4th IS)		1.2917	1.2917	7.7	7.7
			(5th IS)		1.4604	1.4604	8.5	8.5
			(6th IS)		1.4295	1.4295	13.7	13.7
3			(1st IS)					
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54508A2a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	50.0	27.42	55	55	0
2-Fluorobiphenyl	↓	28.15	56	56	
Terphenyl-d14	↓	36.12	72	72	
Phenol-d5	100.0	55.27	55	55	
2-Fluorophenol	↓	54.99	55	55	
2,4,6-Tribromophenol	↓	69.22	69	69	↓

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					

LDC #: 54508A2a

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

$$SSC = \frac{(Ax)(C_{IS})(Fv)(Df)}{(A_{IS})(RRF)(Vs \text{ or } Ws)(\%S/100)}$$

%Recovery = (SSC/SA)*100

RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where: A_X= Area of the target analyte
A_{IS}= Area for the specific internal standard
C_{IS} = Concentration of internal standard
Fv =Final volume of extract
Df= Dilution factor
RRF= Average relative response factor of the target analyte
Ws= Initial weight of the sample
%S= Percent Solid
SSC = Spiked sample concentration
LCS = Laboratory control sample
LCSD = Laboratory control sample duplicate
Vs= Initial volume of the sample

LCS/LCSD samples: RQ2206596-02/03

Compound	Spike Added (ug/Kg)		Spike Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol	3330	3330	2190	2360	66	66	71	71	7	7
N-Nitroso-di-n-propylamine			2130	2310	64	64	69	69	8	8
4-Chloro-3-methylphenol			2590	2680	78	78	80	80	3	3
Acenaphthene			2470	2530	74	74	76	76	3	3
Pentachlorophenol			3390	3460	102	102	104	104	2	2
Pyrene			2640	2660	79	79	80	80	<1	0.75

LDC #: 54508A2a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

$$\text{Concentration} = \frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$$

A_x = Area of the characteristic ion (EICP) for the target analyte to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

V_o = Volume or weight of sample extract in milliliters (ml) or grams (g).

V_i = Volume of extract injected in microliters (ul)

V_t = Volume of the concentrated extract in microliters (ul)

Df = Dilution Factor.

%S = Percent solids, applicable to soil and solid matrices only.

2.0 = Factor of 2 to account for GPC cleanup

S = 94.3

page 327 1/14.50

Example:

Sample I.D. #3, XX

Conc. = $\frac{(467826)(40)(1)(1000)}{(1853017)(1.48)(14.50)(0.943)}$

=

= 499 ug/kg

#	Sample ID	Target Analyte	Reported Concentration (ug/kg)	Calculated Concentration (ug/kg)	Qualification
	#3	XX	500	499	

LDC #: 54508A3b

SDG #: R2205036

Laboratory: ALS Environmental, Rochester, NY

VALIDATION COMPLETENESS WORKSHEET

Category B

Date: 9/22/22

Page: 1 of 1

Reviewer: R

2nd Reviewer: R

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	SW/A	
II.	Initial calibration/ICV	A/A	%RSD/ICV ≤ 20
III.	Continuing calibration	A	CCV ≤ 20/20
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates A	~~A~~	~~A~~ R2205037-008 MS/D
VIII.	Laboratory control samples	A	LCS/D
IX.	Field duplicates	N	
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	JSSC-TP03-220601	R2205036-001	Soil	06/01/22
2	JSSC-TP02-220601	R2205036-002	Soil	06/01/22
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

	RQ220637/-01						

LDC #: 54508A3b

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: ✓GC __HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓	✓		
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?			✓	
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 54508A3b

VALIDATION FINDINGS WORKSHEET
Technical Holding Times

Reviewer: FT

All circled dates have exceeded the technical holding times.
Y (N) N/A Were all cooler temperatures within validation criteria?

METHOD : / GC ___ HPLC

Sample ID	Matrix	Preserved	Sampling Date	Extraction date	Analysis date	Total # of Days	Qualifier
All	soils	cooler	temp =	10.8, 9.5, 11.6 °C	8.1, 12.8,		Text

TECHNICAL HOLDING TIME CRITERIA

VOLATILES:	Water unpreserved:	Aromatic within 7 days, non-aromatic within 14 days of sample collection.
	Water preserved:	Both within 14 days of sample collection.
	Soils:	Both within 14 days of sample collection.
	Encores unpreserved:	Both within 48 hours of sample collection.
	Encores preserved:	Both within 14 days of sample collection.
EXTRACTABLES:		
	Water:	Extracted within 7 days, analyzed within 40 days.
	Soil:	Extracted within 14 days, analyzed within 40 days.

LDC #: 54508A36

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC / HPLC

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (252 std)	Recalculated CF (252 std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL DB170 1	6/9/22	Aroclor 1260-1	4.286×10^5	4.286×10^5	4.188×10^5	4.188×10^5	11.4	11.4
2	DB17	6/9/22	Aroclor 1260-1	5.242×10^5	5.242×10^5	5.011×10^5	5.011×10^5	11.1	11.1
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54508A-3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1 MB	CCV	6/10/22 0333	Aroclor 1260-1 (DB 1701)	500	445	445	11.0	11.0
			Aroclor 1260-1 (DB-17)	500	455	455	8.9	8.9
2 1,2	CCV	6/10/22 0709	↓	↓	461	461	7.7	7.7
			↓	↓	481	481	3.8	3.8
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54508A3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ~~GC~~ ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
DCB	DB 1701	50.0	40.653	81	81	0
TCMX	↓	↓	40.493	81	81	↓

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 54508A3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample

SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: RQ220637/1-02/03

Compound	Spike Added (ug/kg)		Spike Sample Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	165	167	127	129	77	77	77	77	1	1.56

Comments: _____

LDC #: 54508A3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

METHOD: / **GC** __ **HPLC**

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. R0220637l:02 Aroclor 1260-1

Concentration = $\frac{8052489}{\cancel{5.011 \times 10^5}\ 4.188 \times 10^5}$ =

page 574 15.14 = 192.275
150V

#	Sample ID	Target analyte	Reported Concentrations (ug/kg)	Recalculated Results Concentrations (ug/kg)	Qualifications
	LCS	Aroclor 1260	127	128.5	
	1260-1 = 192.275				
	196.994		final conc = $\frac{192.895}{(15)}$ (10) = 128.5		
	180.749				
	201.976				
	192.480				

Ave = 192.895

Comments:

Site:	Gold Street Public Utility Regulating Station (PURS), 164 John Street, Brooklyn, New York
Laboratory:	ALS Environmental, Rochester, NY
Report No.:	R2205036
Reviewer:	An Le and Stella Cuenco/Laboratory Data Consultants for Anchor Environmental – Seattle, WA
Date:	October 24, 2022

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
JSSC-TP03-220601	R2205036-001	Metals, Total Solids
JSSC-TP02-220601	R2205036-002	Metals, Total Solids
JSSC-TP02-220601DUP	R2205036-002DUP	Total Solids

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed soil samples were collected on June 1, 2022 and were analyzed for metals by SW-846 methods 6010C/7471B and total solids by ALS SOP. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for ICP-AES Data Validation,* SOP No. HW-3a, ISM02.2, Revision 1 (September 2016), the USEPA Region 2 *Standard Operating Procedure for Mercury and Cyanide Data Validation,* SOP No. HW-3c, ISM02.2, Revision 1 (September 2016), and the USEPA *Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review,* EPA 542-R-20-006 (November 2020), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS)
- Serial Dilution Results
- Moisture Content
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

Metals

All criteria were met.

Total Solids

Instrument calibration was not required by the method.

CRQL Standard Recoveries

Metals

All criteria were met.

Blank Results

Metals

Analytes were detected below the reporting limits in the laboratory blank samples. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
PB (prep blank)	Mercury	0.025 mg/Kg	RL	JSSC-TP03-220601 JSSC-TP02-220601
ICB/CCB	Antimony	8.2 ug/L	RL	JSSC-TP03-220601 JSSC-TP02-220601

Blank Actions for analytes detected below the reporting limit (RL).
If the sample result is < RL, report the result as nondetect (U) at the RL.
If the sample result is > RL or nondetect, no action is required.
Blank Actions for analytes detected above the reporting limit or RL.

If the sample result is < RL and <action level; report the result as nondetect (U) at the RL.
If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.
If the sample result is > action level or nondetect, no action is required.

No samples were qualified since the associated sample results were nondetect.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Total Solids

Contamination was not detected in the laboratory blank samples.

A field blank was not associated with this sample set. Validation action was not required on this basis.

ICP ICS Results

Metals

Analytes were within control limits in the ICSA and ICSAB analyses.

MS/MSD Results

Metals

MS/MSD analyses were not associated with this sample set. Validation action was not required on this basis.

Total Solids

MS/MSD analyses were not required by the method.

Laboratory Duplicate Results

Metals

Laboratory duplicates were not associated with this sample set. Validation action was not required on this basis.

Total Solids

Laboratory duplicates were performed on sample JSSC-TP02-220601 for total solids analysis. All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

LCS Results

Metals

All criteria were met.

Total Solids

Laboratory control samples (LCS) were not required by the method.

Serial Dilution Results

Metals

A serial dilution analysis was performed on an associated project sample for metals analyses. All criteria were met.

Moisture Content

All criteria were met.

Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the metals analyses. These results were estimated (J) by the laboratory.

No results were reported below the RL and above the MDL in the total solids analysis.

Due to high target analyte levels or sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	Metals Analyses Reported
JSSC-TP03-220601	10-fold dilution due to high analyte levels for iron and mercury.
JSSC-TP02-220601	10-fold dilution due to high analyte levels for iron. 100-fold dilution due to high analyte levels for mercury.

Dilutions were not required for total solids analysis.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 54508A4b
SDG #: R2205036
Laboratory: ALS Environmental, Rochester, NY

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 8/1/22
Page: 1 of 1
Reviewer: ATV
2nd Reviewer:

METHOD: Metals (EPA SW 846 Method 6010C/7471B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	A	
IV.	Laboratory Blanks	SW	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	CS
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	A	
IX.	Laboratory control samples	A	LCS
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	A	MDL < samples < RL : Jdet
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	JSSC-TP03-220601 (Fe, Hg @ 10X high analytes)	R2205036-001	Soil	06/01/22
2	JSSC-TP02-220601 (Fe @ 10X, Hg @ 100X high analyte)	R2205036-002	Soil	06/01/22
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	X			
Were all water samples preserved to a pH of <2.			X	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			X	
Were %RSDs of isoptoes in the tuning solution ≤5%?			X	
III. Calibration				
Were all instruments calibrated daily?	X			
Were the proper standards used?	X			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	X			
Were the low level standard checks within 70-130%?	X			
Were all initial calibration correlation coefficients within limits as specifed by the method?	X			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	X			
Was there contamination in the method blanks?	X			
Was there contamination in the initial and continuing calibration blanks?	X			
V. Interference Check Sample				
Were the interference check samples performed daily?	X			
Were the AB solution recoveries within 80-120%?	X			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			X	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			X	
VII. Laboratory Control Samples				
SDG?	X			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	X			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			X	
If the recoveries were outside the limits, was a reanalysis performed?			X	
IX. Serial Dilution				
Were all percent differences <10%?	X			
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.		X		
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	X			
Were all soil samples dry weight corrected?	X			
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	X			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?		X		
Were target analytes detected in the field duplicates?			X	
XIII. Field Blanks				
Were field blanks identified in this SDG?		X		
Were target analytes detected in the field blanks?			X	

All elements are applicable to each sample as noted below.

Sample ID	Target Analyte List
1,2	Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Hg,Ni,K,Se,Ag,Na,Tl,V,Zn

Analysis Method

ICP	
ICP-MS	
CVAA	

VALIDATION FINDINGS WORKSHEET
Laboratory Blank Contamination (PB/ICB/CCB)

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: Associated Samples: all

				Sample Identification								
Analyte	**PB (mg/kg)**	**Maximum ICB/CCB (ug/L)**	**Action Level**									
Hg	0.025											
Sb		8.2										

Comments: The listed analyte concentrtaion is the highest ICB or CCB detected in the analysis. The action level, when applicable, is established at 5X the highest ICB, CCB, or PB concentration.

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An intial calibration verification (ICV), continuing calibration verification (CCV), low level calibration check (LLCC), and interference check sample (ICSAB) percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
ICV	ICP	Cr	509.8	500	101.96	102	Y
CCV3	ICP	Na	25410.2	25000	101.6408	102	Y
LLCC	ICP	Cd	10.4	10	104	104	Y
ICSAB	ICP	Ni	955	1000	95.5	96	Y
ICV	ICP-MS						
CCV	ICP-MS						
LLCC	ICP-MS						
ICSAB	ICP-MS						
ICV	CVAA	Hg	3.089	3	102.9666667	103	Y
CCV5	CVAA	Hg	3.131	3	104.3666667	104	Y

ICP-MS Tune	QC Parameter	Mass	Actual	Required
	Mass Axis			± 0.1 amu
	%RSD			≤ 5%

Quality Control Sample Recalculations

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Percent recoveries (%R) for the laboratory control sample (LCS), matrix spike (MS), and post digestion spike (PDS) were recalculated using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis. For the MS calculation, Found = SSR (Spiked Sample Result) - SR (Sample Result)

True = concentration of each analyte in the source

The sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

RPD = (Absolute value(S-D)x 200) / (S+D)

S = Original sample concentration

D = Duplicate sample concentration

The serial dilution percent difference (%D) was recalculated using the following formula.

%D = (Absolute value (I - SDR)) x 100 / (I)

I = Initial sample result

SDR = Serial dilution result (with a 5x dilution applied)

Sample ID	Type of Analysis	Element	Found/S/I	True/D/SDR	Recalculated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
LCS	LCS	Hg	0.315	0.25	126	126	Y
	MS						
	Duplicate						
	PDS						
1	Serial dilution	Fe	14031.99	13422.937	4.340460619	4	Y

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)
Analytes were recalculated and verified using the following equation:
Concentration = (Result from raw data x Final volume x Dilution factor) / (Percent solids x Initial weight)

Sample ID	Analyte	Raw Data (ppm/ppb)	Dilution	Initial Weight/ Volume (g)	Final Volume (ml)	Percent solids (%)	Reported Result (mg/kg)	Recalculated Result (mg/kg)	Acceptable (Y/N)
1	Ba	0.4753	1	0.55	50	95.2	45.4	45.38770053	Y
2	Pb	0.7396	1	0.51	50	94.3	76.9	76.89268709	Y
1	Hg	2.485	10	0.23	50	95.2	5.68	5.67455243	Y
2	Hg	3.548	100	0.23	50	94.3	81.8	81.79261377	Y

LDC #: 54508A6 **VALIDATION COMPLETENESS WORKSHEET** Date: 8/1/22
SDG #: R2205036 Category B Page: 1 of 1
Laboratory: ALS Environmental, Rochester, NY Reviewer: ATV
2nd Reviewer: AL

METHOD: (Analyte) Total Solids (ALS SOP)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II	Initial calibration	N	not required
III.	Calibration verification	N	↓
IV	Laboratory Blanks	A	
V	Field blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	not required
VII.	Duplicate sample analysis	A	3
VIII.	Laboratory control samples	N	not required
IX.	Field duplicates	N	
X.	Target Analyte Quantitation	A	
XI	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	JSSC-TP03-220601	R2205036-001	Soil	06/01/22
2	JSSC-TP02-220601	R2205036-002	Soil	06/01/22
3	↓ DUP	↓ DUP	↓	↓
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

METHOD: Inorganics				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
II. Calibration				
Were all instruments calibrated at the required frequency?			✓	
Were the proper number of standards used?			✓	
Were all initial and continuing calibration verifications within the QC limits?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?			✓	
Were balance checks performed as required?	✓			
III. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?			✓	
IV. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?	✓			
V. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?			✓	
Were the LCS recoveries and RPDs (if applicable) within QC limits?			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			

METHOD: Inorganics				
Validation Area	**Yes**	**No**	**NA**	**Comments**
XII. Field Duplicates				
Were field duplicates identifed in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC #: 54508A6

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Inorganics, Method See cover

Percent recoveries (%R) for a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

Sample ID	Type of Analysis	Element	(%) Found / S (units)	(%) True / D (units)	Recalculated %R / RPD	Reported %R / RPD	Acceptable (Y/N)
	Laboratory control sample						
	Matrix spike sample		(SSR-SR)				
3	Duplicate sample	TS	94.76	94.3	0.49	<1	Y

Comments: _____

LDC #: 54508A6

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATL

METHOD: Inorganics, Method See cover

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments?
(Y) N N/A Are all detection limits below the CRQL?

Compound (analyte) results for TS reported with a positive detect were recalculated and verified using the following equation:

Concentration = Recalculation: #1

$$\frac{12.31 - 2.47}{12.81 - 2.47} \times 100 = 95.16$$

#	Sample ID	Analyte	Reported Concentration (%)	Calculated Concentration (%)	Acceptable (Y/N)
	1	TS	95.2	95.16	Y
	2	TS	94.3	94.28	Y

Note:

Site:	Gold Street Public Utility Regulating Station (PURS), 164 John Street, Brooklyn, New York
Laboratory:	ALS Environmental, Rochester, NY
Report No.:	R2205037
Reviewer:	Felomina Tanguilig and Stella Cuenco/Laboratory Data Consultants for Anchor Environmental – Seattle, WA
Date:	October 26, 2022

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB2-5-6-220602	R2205037-001	VOC, SVOC, PCB
SB2-5-6-220602RE	R2205037-001RE	SVOC
SB2-6-7-220602	R2205037-002	VOC, SVOC, PCB
SB2-6-7-220602RE	R2205037-002RE	SVOC
SB2-7-8-220602	R2205037-003	VOC, SVOC, PCB
SB2-7-8-220602RE	R2205037-003RE	SVOC
SB2-8-9-220602	R2205037-004	VOC, SVOC, PCB
SB2-8-9-220602RE	R2205037-004RE	SVOC
SB2-9-10-220602	R2205037-005	VOC, SVOC, PCB
SB2-9-10-220602RE	R2205037-005RE	SVOC
SB2-FD-220602	R2205037-006	VOC, SVOC, PCB
SB2-FD-220602RE	R2205037-006RE	SVOC
SB5-5-6-220602	R2205037-007	VOC, SVOC, PCB
SB5-5-6-220602RE	R2205037-007RE	SVOC
SB5-6-7-220602	R2205037-008	VOC, SVOC, PCB
SB5-6-7-220602RE	R2205037-008RE	SVOC
SB5-7-8-220602	R2205037-009	VOC, SVOC, PCB
SB5-7-8-220602RE	R2205037-009RE	SVOC
SB5-8-9-220602	R2205037-010	VOC, SVOC, PCB
SB5-8-9-220602RE	R2205037-010RE	SVOC
SB5-6-7-220602MS	R2205037-008MS	VOC, SVOC, PCB
SB5-6-7-220602MSD	R2205037-008MSD	VOC, SVOC, PCB
SB5-6-7-220602REMS	R2205037-008REMS	SVOC
SB5-6-7-220602REMSD	R2205037-008REMSD	SVOC

Associated QC Samples(s):

Field/Trip Blanks:	None Associated
Field Duplicate pair:	SB2-9-10-220602 and SB2-FD-220602
	SB2-9-10-220602RE and SB2-FD-220602RE

The above-listed soil samples were collected on June 2, 2022 and were analyzed for volatile organic compounds (VOCs) by SW-846 8260C, semivolatile organic compounds (SVOCs) by SW-846 method 8270D, and polychlorinated biphenyls (PCBs) by SW-846 method 8082A. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C,* SOP HW-24, Revision 4 (October 2014), the USEPA Region 2 *Standard Operating Procedure for Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8270D,* SOP HW-22, Revision 5 (December 2010), the USEPA Region 2 *Standard Operating Procedure for Validating PCB Compounds, PCBs by Gas Chromatography SW-846 Method 8082A,* SOP HW-45, Revision 1 (October 2006), and the USEPA *National Functional Guidelines for Organic Superfund Methods Data Review,* EPA 540-R-20-005 (November 2020), modified as necessary to accommodate the non-CLP methodologies used

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

VOC and SVOC

The chain-of-custodies were reviewed for documentation of cooler temperatures. Cooler temperatures for all samples were reported at 10.8°C, 9.5°C, 8.1°C, 12.8°C, and 11.6°C upon receipt by the laboratory. The results can be used for project objectives as estimated values (J) and nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

PCB

The chain-of-custodies were reviewed for documentation of cooler temperatures. Cooler temperatures for all samples were reported at 10.8°C, 9.5°C, 8.1°C, 12.8°C, and 11.6°C upon receipt by the laboratory.

GC/MS Tunes

VOC and SVOC

All criteria were met.

Initial and Continuing Calibrations

VOC

Initial calibration:

All criteria were met.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
06/09/22	CCV (10:05)	Bromomethane	46.2	SB5-6-7-220602	XX	None
06/09/22	CCV (10:05)	Hexachlorobutadiene	21.8	SB5-6-7-220602	XX	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

Validation action was not required for bromomethane due to continuing calibration exceedance as positive results only are affected and this compound is not detected in the associated samples.

The hexachlorobutadiene result was estimated due to continuing calibration exceedance. The bias cannot be determined. The result can be used for project objectives as nondetect with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

SVOC

Initial calibration:

All criteria were met.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
06/08/22	CCV	4-Nitrophenol	39.8	SB2-5-6-220602 SB2-6-7-220602 SB2-7-8-220602 SB2-8-9-220602 SB2-9-10-220602 SB2-FD-220602 SB5-5-6-220602 SB5-6-7-220602 SB5-7-8-220602 SB5-8-9-220602	XX	None
06/09/22	CCV	2,3,4,6-Tetrachlorophenol 2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dinitrotoluene 4-Chloroaniline 4-Nitroaniline 4-Nitrophenol Caprolactam Pentachlorophenol	24.7 22.2 22.6 21.5 22.0 21.8 27.6 22.8 22.9	SB2-5-6-220602RE SB2-6-7-220602RE SB2-7-8-220602RE SB2-8-9-220602RE SB2-9-10-220602RE SB2-FD-220602RE SB5-5-6-220602RE SB5-6-7-220602RE SB5-7-8-220602RE SB5-8-9-220602RE	XX XX XX XX XX XX XX XX XX	None

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

Validation action was not required for the compounds listed above due to continuing calibration exceedance as positive results only are affected and these compounds were not detected in the associated samples.

PCB

All criteria were met.

Blanks

VOC

Contamination was detected in the associated VOC method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Blank ID	Compound	Level Detected	Action Level	Associated Samples
RQ2206467-05	2-Hexanone	0.60 ug/Kg	RL	SB5-6-7-220602

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

No samples were qualified since the associated sample results were nondetect.

SVOC and PCB

Contamination was not detected in the method blanks.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Surrogate Recoveries

VOC and PCB

All criteria were met.

SVOC

The following table lists the surrogate percent recoveries (%R) outside of control limits in the SVOC analysis and the resulting validation actions.

Sample ID	Surrogate	%R (Limits)	Validation Action
SB5-8-9-220602RE	2-Fluorobiphenyl	18 (25-114)	UJ nondetects
	2-Fluorophenol	17 (18-98)	UJ nondetects
	Phenol-d6	16 (18-103)	UJ nondetects
	Terphenyl-d14	24 (38-141)	UJ nondetects

The SB5-8-9-220602RE SVOC results may be biased low. The positive results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

MS/MSD Results

VOC

MS/MSD analyses were performed on sample SB5-6-7-220602 for VOC analysis. The following table lists the MS/MSD percent recoveries (%R) outside of control limits in the VOC analysis and the resulting validation actions.

MS ID	Compound	MS %R (Limits)	MS/D %R (Limits)	Affected Sample	Validation Action
SB5-6-7-220602MS/MSD	Acetone	161 (50-150)	173 (50-150)	SB5-6-7-220602	None
	Bromomethane	176 (50-150)	-		

- Within control limits

Validation action was not required for acetone and bromomethane due to high MS/MSD recoveries as positive results only are affected and these compounds were not detected in the associated sample.

SVOC

MS/MSD analyses were performed on samples SB5-6-7-220602 and SB5-6-7-220602RE for SVOC analysis. The following table lists the MS/MSD percent recoveries (%R) outside of control limits in the SVOC analysis and the resulting validation actions.

MS ID	Compound	MS %R (Limits)	MS/D %R (Limits)	Affected Sample	Validation Action
SB5-6-7-220602MS/MSD	2,4-Dinitrophenol	40 (50-150)	42 (50-150)	SB5-6-7-220602	UJ nondetects
	3,3'-Dichlorobenzidine	49 (50-150)	-		UJ nondetects
SB5-6-7-220602REMS/MSD	2,4-Dinitrophenol	0 (50-150)	0 (50-150)	SB5-6-7-220602RE	R nondetects
SB5-6-7-220602REMS/MSD	4,6-Dinitro-2-methylphenol	7 (50-150)	6 (50-150)	SB5-6-7-220602RE	UJ nondetects
	Pentachlorophenol	-	47 (50-150)		UJ nondetects

- Within control limits

The 2,4-dinitrophenol, 3,3'-dichlorobenzidine, 4,6-dinitro-2-methylphenol, and pentachlorophenol results may be biased low due to low MS/MSD percent recoveries. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

The SVOC nondetect result for 2,4-dinitrophenol in sample SB5-6-7-220602RE was rejected (R) due to low MS/MSD recoveries. The results are not usable for project objectives, which may have a major impact on the data usability.

PCB

MS/MSD analyses were performed on sample SB5-6-7-220602 for PCB analysis. All criteria were met.

LCS Results

VOC and PCB

All criteria were met.

Reason code and qualifiers only only applied to some analytes

SVOC

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the SVOC analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
RQ2206394-02/03	1,2,4,5-Tetrachlorobenzene	40 (50-150)	-	SB2-5-6-220602	J detects/UJ nondetects
	2,4,5-Trichlorophenol	45 (50-150)	-	SB2-6-7-220602	J detects/UJ nondetects
	2,4,6-Trichlorophenol	45 (50-150)	-	SB2-7-8-220602	J detects/UJ nondetects
	2,4-Dichlorophenol	46 (50-150)	-	SB2-8-9-220602	J detects/UJ nondetects
	2,4-Dimethylphenol	45 (50-150)	-	SB2-9-10-220602	J detects/UJ nondetects
	2,4-Dinitrophenol	43 (50-150)	-	SB2-FD-220602	J detects/UJ nondetects
	2,4-Dinitrotoluene	48 (50-150)	-	SB5-5-6-220602	J detects/UJ nondetects
	2,6-Dinitrotoluene	48 (50-150)	-	SB5-6-7-220602	J detects/UJ nondetects
	2-Chloronaphthalene	43 (50-150)	-	SB5-7-8-220602	J detects/UJ nondetects
	2-Chlorophenol	43 (50-150)	-	SB5-8-9-220602	J detects/UJ nondetects
	2-Methylnaphthalene	46 (50-150)	-		J detects/UJ nondetects
	2-Methylphenol	45 (50-150)	-		J detects/UJ nondetects
	2-Nitroaniline	46 (50-150)	-		J detects/UJ nondetects
	2-Nitrophenol	44 (50-150)	-		J detects/UJ nondetects
	3&4-Methylphenol	42 (50-150)	-		J detects/UJ nondetects
	3-Nitroaniline	33 (50-150)	48 (50-150)		J detects/UJ nondetects
	4,6-Dinitro-2-methylphenol	36 (50-150)	-		J detects/UJ nondetects
	4-Bromophenyl-phenyl ether	47 (50-150)	-		J detects/UJ nondetects
	4-Chloro-3-methylphenol	45 (50-150)	-		J detects/UJ nondetects
	4-Chloroaniline	31 (50-150)	45 (50-150)		J detects/UJ nondetects
	4-Chlorophenyl-phenyl ether	45 (50-150)	-		J detects/UJ nondetects
	4-Nitroaniline	42 (50-150)	-		J detects/UJ nondetects
	4-Nitrophenol	45 (50-150)	-		J detects/UJ nondetects
	Acenaphthene	44 (50-150)	-		J detects/UJ nondetects
	Acenaphthylene	49 (50-150)	-		J detects/UJ nondetects
	Acetophenone	38 (50-150)	-		J detects/UJ nondetects
	Anthracene	46 (50-150)	-		J detects/UJ nondetects
	Benzo(a)anthracene	43 (50-150)	-		J detects/UJ nondetects
	Benzo(b)fluoranthene	43 (50-150)	-		J detects/UJ nondetects
	Benzo(g,h,i)perylene	41 (50-150)	-		J detects/UJ nondetects
	Benzo(k)fluoranthene	46 (50-150)	-		J detects/UJ nondetects

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
RQ2206394-02/03 (cont.)	Biphenyl	39 (50-150)	-	SB2-5-6-220602	J detects/UJ nondetects
	2,2'-Oxybis(1-chloropropane)	43 (50-150)	-	SB2-6-7-220602	J detects/UJ nondetects
	Bis(2-chloroethyl) ether	44 (50-150)	-	SB2-7-8-220602	J detects/UJ nondetects
	Bis(2-ethylhexyl)phthalate	48 (50-150)	-	SB2-8-9-220602	J detects/UJ nondetects
	Butylbenzylphthalate	45 (50-150)	-	SB2-9-10-220602	J detects/UJ nondetects
	Caprolactam	44 (50-150)	-	SB2-FD-220602	J detects/UJ nondetects
	Carbazole	48 (50-150)	-	SB5-5-6-220602	J detects/UJ nondetects
	Chrysene	42 (50-150)	-	SB5-6-7-220602	J detects/UJ nondetects
	Di-n-butylphthalate	49 (50-150)	-	SB5-7-8-220602	J detects/UJ nondetects
	Dibenzo(a,h)anthracene	37 (50-150)	-	SB5-8-9-220602	J detects/UJ nondetects
	Dibenzofuran	44 (50-150)	-		J detects/UJ nondetects
	Diethylphthalate	44 (50-150)	-		J detects/UJ nondetects
	Dimethylphthalate	45 (50-150)	-		J detects/UJ nondetects
	Fluoranthene	46 (50-150)	-		J detects/UJ nondetects
	Fluorene	45 (50-150)	-		J detects/UJ nondetects
	Hexachlorobenzene	45 (50-150)	-		J detects/UJ nondetects
	Hexachlorobutadiene	46 (50-150)	-		J detects/UJ nondetects
	Hexachloroethane	42 (50-150)	-		J detects/UJ nondetects
	Indeno(1,2,3-cd)pyrene	41 (50-150)	-		J detects/UJ nondetects
	N-Nitroso-di-n-propylamine	42 (50-150)	-		J detects/UJ nondetects
	Naphthalene	44 (50-150)	-		J detects/UJ nondetects
	Nitrobenzene	45 (50-150)	-		J detects/UJ nondetects
	Phenanthrene	44 (50-150)	-		J detects/UJ nondetects
	Phenol	42 (50-150)	-		J detects/UJ nondetects
	Pyrene	46 (50-150)	-		J detects/UJ nondetects

- Within control limits

The results for the compounds listed above may be biased low due to low LCS/LCSD percent recoveries. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

The following table lists the LCS/LCSD relative percent differences (RPD) outside of control limits in the SVOC analysis and the resulting validation actions.

LCS ID	Compound	RPD (Limits)	Affected Sample	Validation Action
RQ2206394-02/03	1,2,4,5-Tetrachlorobenzene	44 (≤35)	SB2-5-6-220602	None
	2,3,4,6-Tetrachlorophenol	41 (≤35)	SB2-6-7-220602	
	2,4,5-Trichlorophenol	40 (≤35)	SB2-7-8-220602	
	2,4,6-Trichlorophenol	39 (≤35)	SB2-8-9-220602	
	2,4-Dichlorophenol	39 (≤35)	SB2-9-10-220602	
	2,4-Dimethylphenol	38 (≤35)	SB2-FD-220602	
	2,4-Dinitrotoluene	41 (≤35)	SB5-5-6-220602	
	2,6-Dinitrotoluene	41 (≤35)	SB5-6-7-220602	
	2-Chloronaphthalene	40 (≤35)	SB5-7-8-220602	
	2-Chlorophenol	38 (≤35)	SB5-8-9-220602	
	2-Methylnaphthalene	37 (≤35)		
	2-Methylphenol	39 (≤35)		
	2-Nitroaniline	43 (≤35)		
	2-Nitrophenol	37 (≤35)		

LCS ID	Compound	RPD (Limits)	Affected Sample	Validation Action
RQ2206394-02/03 (cont.)	3&4-Methylphenol	39 (≤35)	SB2-5-6-220602	None
	3-Nitroaniline	40 (≤35)	SB2-6-7-220602	
	4,6-Dinitro-2-methylphenol	35 (≤35)	SB2-7-8-220602	
	4-Bromophenyl-phenyl ether	39 (≤35)	SB2-8-9-220602	
	4-Chloro-3-methylphenol	39 (≤35)	SB2-9-10-220602	
	4-Chloroaniline	36 (≤35)	SB2-FD-220602	
	4-Chlorophenyl-phenyl ether	40 (≤35)	SB5-5-6-220602	
	4-Nitroaniline	41 (≤35)	SB5-6-7-220602	
	4-Nitrophenol	44 (≤35)	SB5-7-8-220602	
	Acenaphthene	39 (≤35)	SB5-8-9-220602	
	Acenaphthylene	39 (≤35)		
	Acetophenone	41 (≤35)		
	Anthracene	38 (≤35)		
	Benzo(a)anthracene	40 (≤35)		
	Benzo(a)pyrene	44 (≤35)		
	Benzo(b)fluoranthene	44 (≤35)		
	Benzo(g,h,i)perylene	44 (≤35)		
	Benzo(k)fluoranthene	43 (≤35)		
	Biphenyl	46 (≤35)		
	2,2'-Oxybis(1-chloropropane)	39 (≤35)		
	Bis(2-chloroethoxy)methane	37 (≤35)		
	Bis(2-chloroethyl) ether	38 (≤35)		
	Bis(2-ethylhexyl)phthalate	41 (≤35)		
	Butylbenzylphthalate	42 (≤35)		
	Caprolactam	43 (≤35)		
	Carbazole	40 (≤35)		
	Chrysene	41 (≤35)		
	Di-n-butylphthalate	42 (≤35)		
	Di-n-octylphthalate	44 (≤35)		
	Dibenzo(a,h)anthracene	39 (≤35)		
	Dibenzofuran	39 (≤35)		
	Diethylphthalate	40 (≤35)		
	Dimethylphthalate	40 (≤35)		
	Fluorene	41 (≤35)		
	Hexachlorobenzene	37 (≤35)		
	Hexachlorobutadiene	36 (≤35)		
	Hexachlorocyclopentadiene	34 (≤35)		
	Hexachloroethane	36 (≤35)		
	Indeno(1,2,3-cd)pyrene	44 (≤35)		
	Isophorone	38 (≤35)		
	N-Nitroso-di-n-propylamine	40 (≤35)		
	N-Nitrosodiphenylamine	39 (≤35)		
	Naphthalene	37 (≤35)		
	Nitrobenzene	37 (≤35)		
	Pentachlorophenol	36 (≤35)		
	Phenanthrene	39 (≤35)		
	Phenol	39 (≤35)		
RQ2206394-02/03	Fluoranthene	39 (≤35)	SB5-6-7-220602	J detects
	Pyrene	40 (≤35)		

LCS ID	Compound	RPD (Limits)	Affected Sample	Validation Action
RQ2206394-02/03	Fluoranthene Pyrene	39 (≤35) 40 (≤35)	SB2-5-6-220602 SB2-6-7-220602 SB2-7-8-220602 SB2-8-9-220602 SB2-9-10-220602 SB2-FD-220602 SB5-5-6-220602 SB5-7-8-220602 SB5-8-9-220602	None

Validation action was not required for the compounds listed above due to LCS/LCSD relative percent difference exceedances as positive results only are affected and these compounds were not detected in the associated samples.

The fluoranthene and pyrene results were estimated due to LCS/LCSD relative percent difference exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

Internal Standards

All criteria were met.

Field Duplicate Results

Samples SB2-9-10-220602 and SB2-FD-220602 and samples SB2-9-10-220602RE and SB2-FD-220602RE were submitted as the field duplicate pairs with this sample group. The following table summarizes the concentrations.

VOC and PCB

There were no detected compounds in the field duplicate pairs for VOC and PCB.

SVOC

Compound	Concentration (ug/Kg)		RPD
	SB2-9-10-220602RE	SB2-FD-220602RE	
Di-n-butylphthalate	57U	76	Not calculable

Moisture Content

All criteria were met.

Quantitation Limits and Data Assessment

No results were reported below the reporting limit (RL) and above the method detection limit (MDL) in the VOC, SVOC, and PCB analyses.

Dilutions were not required for VOC, SVOC, and PCB analyses.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

SVOC

In the case where more than one result was reported for an individual sample, the least technically acceptable results were deemed not reportable as follows:

Sample	Compound	Reason	Validation Action
SB2-5-6-220602 SB2-6-7-220602 SB2-7-8-220602 SB2-8-9-220602 SB2-9-10-220602 SB2-FD-220602 SB5-5-6-220602 SB5-7-8-220602	All analytes	Results from reextraction were more usable.	Not reportable
SB5-6-7-220602	All analytes except 2,4-Dinitrophenol Fluoranthene Pyrene	Results from reextraction were more usable.	Not reportable
SB5-6-7-220602RE	2,4-Dinitrophenol Fluoranthene Pyrene	Result from original analysis were more usable.	Not reportable
SB5-8-9-220602RE	All analytes	Result from original analysis were more usable.	Not reportable

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 54508B1a **VALIDATION COMPLETENESS WORKSHEET** Date: 9/22/22
SDG #: R2205037 Category B Page: 1 of 1
Laboratory: ALS Environmental, Rochester, NY Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	SW/A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	%RSD ≤ 20, r² ICV ≤ 20
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	SW	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	A	LCS/D
X.	Field duplicates	ND	D = 5, 6
XI.	Internal standards	A	
XII.	Target analyte quantitation	A	
XIII.	Target analyte identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	SB2-5-6-220602	R2205037-001	Soil	06/02/22
2	SB2-6-7-220602	R2205037-002	Soil	06/02/22
3	SB2-7-8-220602	R2205037-003	Soil	06/02/22
4	SB2-8-9-220602	R2205037-004	Soil	06/02/22
5	SB2-9-10-220602	R2205037-005	Soil	06/02/22
6	SB2-FD-220602	R2205037-006	Soil	06/02/22
7	SB5-5-6-220602	R2205037-007	Soil	06/02/22
8	SB5-6-7-220602	R2205037-008	Soil	06/02/22
9	SB5-7-8-220602	R2205037-009	Soil	06/02/22
10	SB5-8-9-220602	R2205037-010	Soil	06/02/22
11	SB5-6-7-220602MS	R2205037-008MS	Soil	06/02/22
12	SB5-6-7-220602MSD	R2205037-008MSD	Soil	06/02/22
13	R2206435-04			
14	R2206467-05			

LDC #: 54908B1a **VALIDATION FINDINGS CHECKLIST** Page: 1 of 2
Reviewer: FT

Method: Volatiles (EPA SW 846 Method 8260 C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% 15/30% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20% 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation findings worksheet.	✓			
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		✓		

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target analytes detected in the field duplicates?		✓		
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	✓			
Were target analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target analyte identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did analyte spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?			✓	
XIV. System performance				
System performance was found to be acceptable.		✓		
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 54908B1a

VALIDATION FINDINGS WORKSHEET
Technical Holding Times

Reviewer: FT

All circled dates have exceeded the technical holding times.
Y (N) N/A Were all cooler temperatures within validation criteria?

METHOD : ___ GC ___ HPLC GCMS VOA 8260C

Sample ID	Matrix	Preserved	Sampling Date	Extraction date	Analysis date	Total # of Days	Qualifier
All	SOILS	cooler temp =	10.8,	9.5, 8.1,	12.8, 11.6°C		J/UJ/A NDDet

TECHNICAL HOLDING TIME CRITERIA

VOLATILES:	Water unpreserved:	Aromatic within 7 days, non-aromatic within 14 days of sample collection.
	Water preserved:	Both within 14 days of sample collection.
	Soils:	Both within 14 days of sample collection.
	Encores unpreserved:	Both within 48 hours of sample collection.
	Encores preserved:	Both within 14 days of sample collection.
EXTRACTABLES:		
	Water:	Extracted within 7 days, analyzed within 40 days.
	Soil:	Extracted within 14 days, analyzed within 40 days.

LDC #: 54508B1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: <20.0%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
	6/9/22	CCV	B	46.2		All	J dw /A ND
	1005		LLL	21.8		RQ2206467-05	J/UJ/A

LDC #: 54508 B/a

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a method blank associated with every sample in this SDG?

Y N N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?

Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank analysis date: 6/9/22

Conc. units: ug/kg

Associated Samples: 8 (ND)

Compound	Blank ID	Sample Identification								
	RQ220667-05									
Z	0.60									

Blank analysis date:

Conc. units:

Associated Samples:

Compound	Blank ID	Sample Identification								

All results were qualified using the criteria stated below except those circled.

Note: Common contaminants such as Methylene chloride, Acetone, 2-Butanone, Carbon disulfide and TICs that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

.LDC #: 54508B k

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Reviewer: FT

METHOD : GC/MS VOA (EPA SW 846 Method 8260)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

(Y) N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y (N) N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	11+12	F	161 (50-150)	~~173~~ 173 (50-150)	( )	8	Jdet /A ND
		B	176 (↓)	171 ( )	( )	↓	↓
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

Method: VOA 8260C

Calibration Date	System	Compound	Standard	(Y) Response	(X) Concentration
4/8/2022	GCMS	Acetone	1	0.03979	0.1
			2	0.09428	0.4
			3	0.2079	1
			4	0.375	2
			5	0.5736	3
			6	0.7984	4

Regression Output		*Reported*
Constant	*0.013103*	*NR*
Std Err of Y Est		
R Squared	*0.997457*	*0.998800*
Degrees of Freedom		
X Coefficient(s)	*0.191462*	*NR*
Std Err of Coef.		
Correlation Coefficient	*0.998728*	
Coefficient of Determination (r^2)	*0.997457*	*0.998800*

040822 acetone plus constant

LDC #: 54508 B1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the target analytes identified below using the following calculations:

RRF = $(A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of target analyte
C_x = Concentration of target analyte
S = Standard deviation of the RRFs
X = Mean of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Target Analyte (Internal Standard)	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
				RRF (20 std)	RRF (20 std)	Average RRF (initial)	Average RRF (initial)	%RSD	%RSD
1	ICAL	5/31/22	K	0.808	0.808	0.8606	0.8606	8.3	8.3
			Y	1.063	1.063	1.155	1.155	7.3	7.3
			EE	0.4574	0.4574	0.4791	0.4791	5.5	5.5
			JJJ	1.302	1.302	1.409	1.409	6.3	6.3
2									
3									
4									

Comments: _____

LDC #: 54508B1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where:
ave. RRF = initial calibration average RRF
A_x = Area of target analyte
C_x = Concentration of target analyte
RRF = continuing calibration RRF
A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Target Analyte (Internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV	6/8/22 1019	K	0.86006	0.8422	0.8422	2.1	2.1
			V	1.155	1.113	1.113	3.6	3.6
			EE	0.4791	0.4452	0.4452	7.1	7.1
			JJJ	1.4092	1.3243	1.3243	6.0	6.0
2	CCV	6/9/22 1005	K		0.9425	0.9425	9.5	9.5
			V		1.1963	1.1963	3.6	3.6
			EE		0.4789	0.4789	0.0	0.0
			JJJ		1.4396	1.4396	2.2	2.2
3								
4								

LDC #: 54508 Bk

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	50.0	49.26	99	99	0
1,2-Dichloroethane-d4					
Toluene-d8	↓	48.89	98	98	0
Bromofluorobenzene	↓	48.91	98	98	0

Comments: _____

LDC #: 54508B1a

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the target analytes identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA

Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration

RPD = I MSC - MSC I * 2/(MSC + MSDC)

MSC = Matrix spike concentration; MSDC = Matrix spike duplicate concentration

MS/MSD sample: 11 d 12

Compound	Spike Added (ug/kg)		Sample Concentration (ug/kg)	Spiked Sample Concentration (ug/kg)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
1,1-Dichloroethene	49.4	46.7	ND	57.0	52.3	115	115	112	112	3	8.6
Trichloroethene	↓	↓	↓	51.7	51.3	105	105	110	110	5	0.78
Benzene	↓	↓	↓	51.3	~~46~~ 48.8	104	104	105	105	≤1	4.99
Toluene	↓	↓	↓	49.7	47.6 ~~48.7~~ ~~46~~	101	101	102	102	≤1	4.32
Chlorobenzene	↓	↓	↓	45.6	45.1	92	92	97	97	5	1.1

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

Note: lab was using %R to calculate %RPD
validator used concentration to calculate %RPD

LDC #: 54508B1a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the target analytes identified below using the following calculation:

% Recovery = 100 * SSC/SA

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC)

Where: SSC = Spiked sample concentration
SA = Spike added
LCSC = Laboratory control sample concentration
LCSDC = Laboratory control sample duplicate concentration

LCS ID: RQ2206435-03

Compound	Spike Added (ug/kg)		Spiked Sample Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
1,1-Dichloroethene	20.0	NA	19.6	NA	98	98				
Trichloroethene			19.3		96	96				
Benzene			18.7		94	94				
Toluene			18.4		92	92				
Chlorobenzene			17.7		88	88				

Comments: _____

LDC #: 54508B1a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: GC/MS GC

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #4 , F

Conc. = $\frac{\left(\frac{24466}{266757} - 0.013103\right)(50)(0.96)}{(0.191462)(0.967}$ = 20.38

%S = 96.7

#	Sample ID	Compound	Reported Concentration (ug/kg)	Calculated Concentration (ug/kg)	Qualification
	#4	F	19	20.38	
	RQ220643-03 V (Benzene)				
	$= \frac{269721\ (50)}{(624394)(1.155)}$ = 18.7 ug/kg			lab reported 18.7 ug/kg	

LDC #: 54508B2a

SDG #: R2205037

Laboratory: ALS Environmental, Rochester, NY

VALIDATION COMPLETENESS WORKSHEET

Category B

Date: 9/13/22

Page: 1 of 2

Reviewer: [illegible]

2nd Reviewer: [illegible]

METHOD: GC/MS Semivolatiles (EPA SW-846 Method 8270D)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	SW A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A / A	%RSD ≤ 20, 12 ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	SW	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	SW	LCS ID *
X.	Field duplicates	SW	D = 9, 11 10, 12
XI.	Internal standards	SW	
XII.	Target analyte quantitation	A	
XIII.	Target analyte identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	SW	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID		Lab ID	Matrix	Date
1	SB2-5-6-220602		R2205037-001	Soil	06/02/22
2	SB2-5-6-220602RE		R2205037-001RE	Soil	06/02/22
3	SB2-6-7-220602		R2205037-002	Soil	06/02/22
4	SB2-6-7-220602RE		R2205037-002RE	Soil	06/02/22
5	SB2-7-8-220602		R2205037-003	Soil	06/02/22
6	SB2-7-8-220602RE		R2205037-003RE	Soil	06/02/22
7	SB2-8-9-220602		R2205037-004	Soil	06/02/22
8	SB2-8-9-220602RE		R2205037-004RE	Soil	06/02/22
9	SB2-9-10-220602	D	R2205037-005	Soil	06/02/22
10	SB2-9-10-220602RE	D1	R2205037-005RE	Soil	06/02/22
11	SB2-FD-220602	D	R2205037-006	Soil	06/02/22
12	SB2-FD-220602RE	D1	R2205037-006RE	Soil	06/02/22
13	SB5-5-6-220602		R2205037-007	Soil	06/02/22
14	SB5-5-6-220602RE		R2205037-007RE	Soil	06/02/22

LDC #: 54508B2a **VALIDATION COMPLETENESS WORKSHEET** Date: 9/23/22
SDG #: R2205037 Category B Page: 2 of 2
Laboratory: ALS Environmental, Rochester, NY Reviewer: [illegible]
2nd Reviewer:

METHOD: GC/MS Semivolatiles (EPA SW-846 Method 8270D)

15	SB5-6-7-220602 YY, ZZ	R2205037-008	Soil	06/02/22
16	SB5-6-7-220602RE	R2205037-008RE	Soil	06/02/22
17	SB5-7-8-220602	R2205037-009	Soil	06/02/22
18	SB5-7-8-220602RE	R2205037-009RE	Soil	06/02/22
19	SB5-8-9-220602	R2205037-010	Soil	06/02/22
20	SB5-8-9-220602RE	R2205037-010RE	Soil	06/02/22
21	SB5-6-7-220602MS	R2205037-008MS	Soil	06/02/22
22	SB5-6-7-220602MSD	R2205037-008MSD	Soil	06/02/22
23	SB5-6-7-220602REMS	R2205037-008REMS	Soil	06/02/22
24	SB5-6-7-220602REMSD	R2205037-008REMSD	Soil	06/02/22
25				
26				
27				

Notes:

1	RQ 2206394-01						
2	RQ2206596-01						

LDC #: 54509 B2a

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: Semivolatiles (EPA SW 846 Method 8270 D)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the DFTPP performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% 15/30% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20% 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the blanks validation findings worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?		✓		
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?	✓			
If any percent recoveries (%R) was less than 10%, was a reanalysis performed to confirm %R ?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	✓			

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		✓		
IX. Laboratory control samples				
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	•	✓		
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target analytes detected in the field duplicates?	✓			
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓	✓		
Were retention times within ± 30 seconds of the associated calibration standard?	✓	•		
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target analyte identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?			✓	
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

(DCB) NPT * ANTV PHN * *

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	CC. Dimethylphthalate ✓	EEE. Bis(2-ethylhexyl)phthalate	GGGG. C30-Hopane	I1. Methyl methanesulfonate
B. Bis (2-chloroethyl) ether	DD. Acenaphthylene ✓	FFF. Di-n-octylphthalate	HHHH. 1-Methylphenanthrene	J1. Ethyl methanesulfonate
C. 2-Chlorophenol	EE. 2,6-Dinitrotoluene ✓	GGG. Benzo(b)fluoranthene	IIII. 1,4-Dioxane	K1. o,o',o"-Triethylphosphorothioate
D. 1,3-Dichlorobenzene	FF. 3-Nitroaniline ✓	HHH. Benzo(k)fluoranthene	JJJJ. Acetophenone	L1. n-Phenylene diamine
E. 1,4-Dichlorobenzene	GG. Acenaphthene ✓	III. Benzo(a)pyrene	KKKK. Atrazine * *	M1. 1,4-Naphthoquinone
F. 1,2-Dichlorobenzene	HH. 2,4-Dinitrophenol ✓	JJJ. Indeno(1,2,3-cd)pyrene	LLLL. Benzaldehyde	N1. N-Nitro-o-toluidine
G. 2-Methylphenol	II. 4-Nitrophenol ✓	KKK. Dibenz(a,h)anthracene	MMMM. Caprolactam *	O1. 1,3,5-Trinitrobenzene
H. 2,2'-Oxybis(1-chloropropane)	JJ. Dibenzofuran ✓	LLL. Benzo(g,h,i)perylene	NNNN. 2,6-Dichlorophenol	P1. Pentachlorobenzene
I. 4-Methylphenol	KK. 2,4-Dinitrotoluene ✓	MMM. Bis(2-Chloroisopropyl)ether	OOOO. 1,2-Diphenylhydrazine	Q1. 4-Aminobiphenyl
J. N-Nitroso-di-n-propylamine	LL. Diethylphthalate ✓	NNN. Aniline	PPPP. 3-Methylphenol	R1. 2-Naphthylamine
K. Hexachloroethane	MM. 4-Chlorophenyl-phenyl ether ✓	OOO. N-Nitrosodimethylamine	QQQQ. 3&4-Methylphenol	S1. Triphenylene
L. Nitrobenzene *	NN. Fluorene ✓	PPP. Benzoic Acid	RRRR. 4-Dimethyldibenzothiophene (4MDT)	T1. Octachlorostyrene
M. Isophorone *	OO. 4-Nitroaniline ✓	QQQ. Benzyl alcohol	SSSS. 2/3-Dimethyldibenzothiophene (4MDT)	U1. Famphur
N. 2-Nitrophenol *	PP. 4,6-Dinitro-2-methylphenol * *	RRR. Pyridine	TTTT. 1-Methyldibenzothiophene (1MDT)	V1. 1,4-phenylenediamine
O. 2,4-Dimethylphenol *	QQ. N-Nitrosodiphenylamine * *	SSS. Benzidine	UUUU.. 2,3,4,6-Tetrachlorophenol ✓	W1. Methapyrilene
P. Bis(2-chloroethoxy)methane *	RR. 4-Bromophenyl-phenylether	TTT. 1-Methylnaphthalene	VVVV. 1,2,4,5-Tetrachlorobenzene ✓	X1. Pentachloroethane
Q. 2,4-Dichlorophenol *	SS. Hexachlorobenzene * *	UUU.Benzo(b)thiophene	WWWW.. 2-Picoline	Y1. 3,3'-Dimethylbenzidine
R. 1,2,4-Trichlorobenzene	TT. Pentachlorophenol * *	VVV.Benzonaphthothiophene	XXXX. 3-Methylcholanthrene	Z1. o-Toluidine
S. Naphthalene *	UU. Phenanthrene * *	WWW.Benzo(e)pyrene	YYYY. a,a-Dimethylphenethylamine	A2. 1-Naphthylamine
T. 4-Chloroaniline *	VV. Anthracene * *	XXX. 2,6-Dimethylnaphthalene	ZZZZ. Hexachloropropene	B2. 4-Aminobiphenyl
U. Hexachlorobutadiene *	WW. Carbazole * *	YYY. 2,3,5-Trimethylnaphthalene	A1. N-Nitrosodiethylamine	C2. 4-Nitroquinoline-1-oxide
V. 4-Chloro-3-methylphenol *	XX. Di-n-butylphthalate * *	ZZZ. Perylene	B1. N-Nitrosodi-n-butylamine	D2. Hexachloropene
W. 2-Methylnaphthalene *	YY. Fluoranthene * *	AAAA. Dibenzothiophene	C1. N-Nitrosomethylethylamine	E2. Bis (2-chloro-1-methylethyl) ether
X. Hexachlorocyclopentadiene ✓	ZZ. Pyrene	BBBB. Benzo(a)fluoranthene	D1. N-Nitrosomorpholine	F2. Bifenthrin
Y. 2,4,6-Trichlorophenol ✓	AAA. Butylbenzylphthalate	CCCC. Benzo(b)fluorene	E1. N-Nitrosopyrrolidine	G2. Cyfluthrin
Z. 2,4,5-Trichlorophenol ✓	BBB. 3,3'-Dichlorobenzidine	DDDD. cis/trans-Decalin	F1. Phenacetin	H2. Cypermethrin
AA. 2-Chloronaphthalene ✓	CCC. Benzo(a)anthracene	EEEE. 1,1'-Biphenyl ✓	G1. 2-Acetylaminofluorene	I2. Permethrin (cis/trans)
BB. 2-Nitroaniline	DDD. Chrysene	FFFF. Retene	H1. Pronamide	J2. 5-Nitro-o-toluidine

LDC #: 54508B2a

VALIDATION FINDINGS WORKSHEET
Technical Holding Times

Page: 1 of 1
Reviewer: FT

All circled dates have exceeded the technical holding times.
Y (N) N/A Were all cooler temperatures within validation criteria?

METHOD : GC HPLC ✓GCMS SVOA 8270D

Sample ID	Matrix	Preserved	Sampling Date	Extraction date	Analysis date	Total # of Days	Qualifier
All	cooler temp =		10.8, 9.5,	8.1, 12.8,	11.6°C		J/UJ/A ND+Det

TECHNICAL HOLDING TIME CRITERIA

VOLATILES:	Water unpreserved:	Aromatic within 7 days, non-aromatic within 14 days of sample collection.
	Water preserved:	Both within 14 days of sample collection.
	Soils:	Both within 14 days of sample collection.
	Encores unpreserved:	Both within 48 hours of sample collection.
	Encores preserved:	Both within 14 days of sample collection.
EXTRACTABLES:		
	Water:	Extracted within 7 days, analyzed within 40 days.
	Soil:	Extracted within 14 days, analyzed within 40 days.

LDC #: 54508B2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT

METHOD: GC/MS SVOA(EPA Method 8270 D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours of sample analysis for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: <20.0%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
	6/8/22 1327	CCV	II	39.8		1, 3, 5, 7, 9, 11, 13, 15, 17, 19 RQ2206394-01	Jdw/A ND
	6/9/22 1638	CCV	UUUU	24.7		2, 4, 6, 8, 10, 12, 14, 16, 18, 20 RQ2206596-01	Jdw/A ND
			V	22.2			
			Q	22.6			
			KK	21.5			
			T	22.0			
			ΘΘ	21.8			
			II	27.6			
			MMMM	22.8			
			TT	22.9			

LDC #: 54508B2a

VALIDATION FINDINGS WORKSHEET
Surrogate Recovery

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)

Please see qualification below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were percent recoveries (%R) for surrogates within QC limits? (N circled)

Y N N/A If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R? (Y circled)

Y N N/A If any %R was less than 10 percent, was a reanalysis performed to confirm %R? (N/A circled)

#	Sample ID	Surrogate	%R (Limits)	Qualifications
	20	FBP	18 (25-114)	J/UJ/A NP
		2FP	17 (18-98)	↓
		PHL-d6	16 (18-103)	↓
		TPH	24 (38-141)	↓

(NBZ) = Nitrobenzene - d5
(FBP) = 2-Fluorobiphenyl
(TPH) = Terphenyl - d14
(2FP) = 2-Fluorophenol
(TBP) = 2,4,6 -Tribromophenol
(2CP) = 2-Chlorophenol - d4

LDC #: 54508 B2a

VALIDATION FINDINGS WORKSHEET
Internal Standards

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y (N) N/A Were all internal standard area counts within -50 to +100 of the associated calibration standard?

Y (N) N/A Were the retention times of the internal standards within +/- 30 seconds of the retention times of the associated calibration standard?

#	Sample ID	Internal Standard	Area (Limits)	RT (Limits)	Qualifications
	RQ2206394-01	DCB	9360 88 (209513 - 838052)		J/UJ/P see list
		ANT	1916881 (446492 - 1785966)		↓
		NPT	3635692 (861661 - 3446642)		↓
		PHN	3093265 (735656 - 2942622)		↓

* QC limits are advisory

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

LDC #: 54508B2a

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	21 + 22	HH	40 (50-150)	42 (50-150)	( )	15	J/UJ/A ND
		BBB	49 ( )	( )	( )		↓
			( )	( )			
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
	23 + 24	HH	0 (50-150)	0 (50-150)	( )	16	R J/UJ/A and ND
		PP	7 (↓)	6 (↓)	( )	↓	J/UJ/A
		TT	( )	47 (↓)	( )	↓	↓
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC #: 54508B2a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Reviewer: FT

METHOD: GC/MS BNA (Method 8270D

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a LCS required?

Y (N) N/A Were the LCS/LCSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	RQ2206394		( )	( )	( )	1, 3, 5, 7, 9,	
	-02/03		( )	( )	( )	11, 13, 15	
			( )	( )	( )	17, 19	
			( )	( )	( )	RQ2206394-MB	
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )	all %R = J/NJ/P ND+Det	
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )	all %RPD = J/NJ/P ND+Det	
			( )	( )	( )	#15 out for YY, ZZ	
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205036
Date Analyzed: 06/08/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample RQ2206394-02			Duplicate Lab Control Sample RQ2206394-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4,5-Tetrachlorobenzene VVV	8270D	1330	3340	40	2080	3360	62	10-174	44*	30
2,3,4,6-Tetrachlorophenol UUU	8270D	1720	3350	51	2620	3380	78	42-127	41*	30
2,4,5-Trichlorophenol Z	8270D	1520	3350	45	2290	3380	68	33-134	40*	30
2,4,6-Trichlorophenol Y	8270D	1520	3350	45	2260	3380	67	24-131	39*	30
2,4-Dichlorophenol Q	8270D	1550	3350	46	2300	3380	68	17-125	39*	30
2,4-Dimethylphenol O	8270D	1510	3350	45	2220	3380	66	21-116	38*	30
2,4-Dinitrophenol HH	8270D	1450 J	3350	43	1770	3380	52	10-80	20	30
2,4-Dinitrotoluene KK	8270D	1600	3350	48	2430	3380	72	55-118	41*	30
2,6-Dinitrotoluene EE	8270D	1600	3350	48	2420	3380	72	38-136	41*	30
2-Chloronaphthalene AA	8270D	1450	3350	43	2170	3380	64	27-121	40*	30
2-Chlorophenol C	8270D	1440	3350	43	2120	3380	63	20-97	38*	30
2-Methylnaphthalene W	8270D	1530	3350	46	2220	3380	66	23-111	37*	30
2-Methylphenol G	8270D	1520	3350	45	2250	3380	67	28-105	39*	30
2-Nitroaniline BB	8270D	1550 J	3350	46	2400	3380	71	40-124	43*	30
2-Nitrophenol N	8270D	1490	3350	44	2160	3380	64	15-107	37*	30
3- and 4-Methylphenol Coelution	8270D	1400	3350	42	2070	3380	61	25-112	39*	30
3-Nitroaniline FF	8270D	1100 J	3350	33	1640 J	3380	48	36-112	40*	30
4,6-Dinitro-2-methylphenol PP	8270D	1210 J	3350	36	1720	3380	51	23-107	35*	30
4-Bromophenyl Phenyl Ether RR	8270D	1580	3350	47	2340	3380	69	38-138	39*	30
4-Chloro-3-methylphenol V	8270D	1500	3350	45	2220	3380	66	25-123	39*	30
4-Chloroaniline T	8270D	1050	3350	31	1510	3380	45	30-87	36*	30
4-Chlorophenyl Phenyl Ether MM	8270D	1510	3350	45	2280	3380	67	41-130	40*	30
4-Nitroaniline OO	8270D	1420 J	3350	42	2150	3380	64	49-119	41*	30
4-Nitrophenol II	8270D	1500 J	3350	45	2330	3380	69	33-124	44*	30
Acenaphthene GG	8270D	1480	3350	44	2200	3380	65	34-121	39*	30
Acenaphthylene DD	8270D	1640	3350	49	2430	3380	72	39-124	39*	30
Acetophenone JJJJ	8270D	2580	6700	38	3900	6760	58	20-89	41*	30
Anthracene VV	8270D	1550	3350	46	2280	3380	67	58-119	38*	30
Benz(a)anthracene CCC	8270D	1440	3350	43	2160	3380	64	60-114	40*	30
Benzo(a)pyrene III	8270D	1800	3350	54 *	2810	3380	83	72-128	44*	30
Benzo(b)fluoranthene GGG	8270D	1440	3350	43	2250	3380	67	64-109	44*	30
Benzo(g,h,i)perylene LLL	8270D	1380	3350	41	2140	3380	63	59-129	44*	30
Benzo(k)fluoranthene HHH	8270D	1540	3350	46	2370	3380	70	70-110	43*	30

%R limit = 50-150%
%RPD limit ≤ 35%

Client: Anchor QEA, LLC
Project: John Street/E.10921.03.01
Sample Matrix: Soil

Service Request: R2205036
Date Analyzed: 06/08/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample RQ2206394-02			Duplicate Lab Control Sample RQ2206394-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Biphenyl EEEE	8270D	1320	3350	39	2100	3380	62	17-123	46*	30
2,2'-Oxybis(1-chloropropane) H	8270D	1440	3350	43	2130	3380	63	22-80	39*	30
Bis(2-chloroethoxy)methane P	8270D	1790	3350	54	2610	3380	77	31-112	37*	30
Bis(2-chloroethyl) Ether B	8270D	1460	3350	44	2130	3380	63	21-83	38*	30
Bis(2-ethylhexyl) Phthalate EEE	8270D	1620	3350	48	2460	3380	73	57-117	41*	30
Butyl Benzyl Phthalate AAA	8270D	1510	3350	45	2310	3380	68	60-116	42*	30
Caprolactam MMMM	8270D	1460	3350	44	2260	3380	67	10-150	43*	30
Carbazole WW	8270D	1620	3350	48	2440	3380	72	63-129	40*	30
Chrysene PPP	8270D	1420	3350	42	2160	3380	64 *	65-114	41*	30
Di-n-butyl Phthalate XX	8270D	1650	3350	49	2530	3380	75	71-126	42*	30
Di-n-octyl Phthalate FFF	8270D	1670	3350	50 *	2620	3380	77	60-115	44*	30
Dibenz(a,h)anthracene KKK	8270D	1260	3350	37	1870	3380	55 *	60-128	39*	30
Dibenzofuran JJ	8270D	1490	3350	44	2220	3380	66	38-124	39*	30
Diethyl Phthalate LL	8270D	1460	3350	44	2190	3380	65	51-113	40*	30
Dimethyl Phthalate CC	8270D	1500	3350	45	2260	3380	67	40-127	40*	30
Fluoranthene YY	8270D	1540	3350	46	2290	3380	68	61-131	39*	30
Fluorene NN	8270D	1500	3350	45	2280	3380	68	39-128	41*	30
Hexachlorobenzene SS	8270D	1520	3350	45	2210	3380	66	42-135	37*	30
Hexachlorobutadiene U	8270D	1550	3350	46	2220	3380	66	19-96	36*	30
Hexachlorocyclopentadiene X	8270D	1790	3350	53	2530	3380	75	10-112	34*	30
Hexachloroethane K	8270D	1400	3350	42	2020	3380	60	15-75	36*	30
Indeno(1,2,3-cd)pyrene JJJ	8270D	1390	3350	41	2160	3380	64	60-123	44*	30
Isophorone MM M	8270D	1700	3350	51	2500	3380	74	27-106	38*	30
N-Nitrosodi-n-propylamine J	8270D	1420	3350	42	2130	3380	63	22-99	40*	30
N-Nitrosodiphenylamine QQ	8270D	1680	3350	50 *	2510	3380	74	51-127	39*	30
Naphthalene S	8270D	1480	3350	44	2140	3380	63	21-101	37*	30
Nitrobenzene L	8270D	1490	3350	45	2180	3380	64	22-98	37*	30
Pentachlorophenol (PCP) TT	8270D	2010	3350	60	2890	3380	85	46-124	36*	30
Phenanthrene UU	8270D	1480	3350	44	2210	3380	65	56-117	39*	30
Phenol A	8270D	1410	3350	42	2100	3380	62	24-102	39*	30
Pyrene ZZ	8270D	1550	3350	46	2340	3380	69	67-118	40*	30

LDC #: 54508B2a

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds identified in the field duplicate pairs?

Compound	Concentration (ug/Kg)		RPD (≤ %)	QUAL
	10	12		
XX	57 U	76	NC	

Compound	Concentration ( )		RPD (≤ %)	QUAL

Compound	Concentration ( )		RPD (≤ %)	QUAL

LDC #: 54508 B2a

VALIDATION FINDINGS WORKSHEET
Overall Assessment of Data

Reviewer: FT
2nd Reviewer: C

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
All available information pertaining to the data were reviewed using professional judgement to compliment the determination of the overall quality of the data.

(Y) N N/A Was the overall quality and usability of the data acceptable?

#	Sample ID	Compound	Finding	Qualifications
	1, 3, 5, 7, 9, 11, 13, 17, *	All	several LCS %R + % RPD outside limit	NR/A
	15	All except HH, YY, ZZ	↓	NR/A
	16	HH, YY, ZZ	MS/D %R = 0% + ND for YY, ZZ	NR/A
	20	All	% surrogate recovery low	NR/A

Comments: _____

OVR.wpd

LDC #: 54508B2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)
The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the target analytes identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of target analyte
C_x = Concentration of target analyte
S = Standard deviation of the RRFs,

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard
X = Mean of the RRFs

#	Standard ID	Calibration Date	Target Analyte / Internal Standard	Reported RRF (20 std)	Recalculated RRF (20 std)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported %RSD	Recalculated %RSD
1	ICAL	4/8/22	Δ (1st IS)	2.095	2.095	2.072	2.072	5.5	5.5
			S (2nd IS)	1.129	1.129	1.133	1.133	4.6	4.6
			GG (3rd IS)	1.325	1.325	1.339	1.339	2.4	2.4
			UU (4th IS)	1.186	1.186	1.199	1.199	4.4	4.4
			PDD (5th IS)	1.332	1.332	1.346	1.346	3.6	3.6
			GGG (6th IS)	1.276	1.276	1.257	1.257	3.3	3.3
2			(1st IS)						
			(2nd IS)						
			(3rd IS)						
			(4th IS)						
			(5th IS)						
			(6th IS)						
3			(1st IS)						
			(2nd IS)						
			(3rd IS)						
			(4th IS)						
			(5th IS)						
			(6th IS)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54508B2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270 /3)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
A_x = Area of target analyte
C_x = Concentration of target analyte
RRF = continuing calibration RRF
A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Target Analyte (Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	ccv	6/8/22 1327	A (1st IS)	2.072	2.2416	2.2416	8.2	8.2
			S (2nd IS)	1.133	1.1608	1.1608	2.5	2.5
			GG (3rd IS)	1.339	1.3513	1.3513	0.9	0.9
			HH (4th IS)	1.199	1.1842	1.1842	1.2	1.2
	original		DDD (5th IS)	1.346	1.3581	1.3581	0.9	0.9
			GGG (6th IS)	1.257	1.3365	1.3365	6.3	6.3
2	ccv	6/9/22 1638	(1st IS)		2.3725	2.3725	14.5	14.5
			(2nd IS)		1.2443	1.2443	9.8	9.8
			(3rd IS)		1.4681	1.4681	9.7	9.7
	RE		(4th IS)		1.2917	1.2917	7.7	7.7
			(5th IS)		1.4604	1.4604	8.5	8.5
			(6th IS)		1.4295	1.4295	13.7	13.7
3			(1st IS)					
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54508B2a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270 D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: ~~HG~~ 16

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	50	32.40	65	65	0
2-Fluorobiphenyl	↓	36.57	73	73	
Terphenyl-d14	↓	44.27	89	89	↓
Phenol-d5	100	68.53	69	69	
2-Fluorophenol	↓	68.17	68	68	
2,4,6-Tribromophenol	↓	72.69	73	73	↓

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					

LDC #: 54508B2a

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the target analytes identified below using the following calculation:

$$SSC = \frac{(A_X)(C_{IS})(F_V)(D_f)}{(A_{IS})(RRF)(V_s \text{ or } W_s)(\%S/100)}$$

%Recovery = (SSC/SA)*100

RPD =(({SSCMS - SSCMSD} * 2) / (SSCMS + SSCMSD))*100

Where: A_X= Area of the target analyte
A_{IS} = Area for the specific internal standard
C_{IS} = Concentration of internal standard
Fv =Final volume of extract
Df= Dilution factor
RRF= Average relative response factor of the target analyte
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid
SSC = Spiked sample concentration
SA= Spike added
MS= Matrix spike
MSD= Matrix spike duplicate

MS/MSD samples: 21 & 22

Compound	Spike Added (ug/kg)		Sample Concentration (ug/kg)	Spiked Sample Concentration (ug/kg)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalc
Phenol	4020	4230	NM	2800	3180	70	70	75	75	13	13
N-Nitroso-di-n-propylamine			↓	3500	3910	87	87	92	92	11	11
4-Chloro-3-methylphenol	↓	↓	↓	3070	3430	76	76	81	81	11	11
Acenaphthene			ND	3000	3370	75	75	80	80	11	11
Pentachlorophenol			↓	3260	3710	81	81	88	88	13	13
Pyrene	↓	↓	↓	3300	3730	80	80	86	86	12	12

LDC #: 54508B2a

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

$$SSC = \frac{(A_X)(C_{IS})(Fv)(Df)}{(A_{IS})(RRF)(Vs \text{ or } Ws)(\%S/100)}$$

$$\%Recovery = (SSC/SA)*100$$

$$RPD = (((\{SSCLCS - SSCLCSD\} * 2) / (SSCLCS + SSCLCSD))*100$$

Where: A_X= Area of the target analyte
A_{IS}= Area for the specific internal standard
C_{IS} = Concentration of internal standard
Fv =Final volume of extract
Df= Dilution factor
RRF= Average relative response factor of the target analyte
Ws= Initial weight of the sample
%S= Percent Solid
SSC = Spiked sample concentration
LCS = Laboratory control sample
LCSD = Laboratory control sample duplicate
Vs= Initial volume of the sample

LCS/LCSD samples: RQ2206596-02/03

Compound	Spike Added (ug/kg)		Spike Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol	3330	3330	2190	2360	66	66	71	71	7	7
N-Nitroso-di-n-propylamine	↓	↓	2130	2310	64	64	69	69	8	8
4-Chloro-3-methylphenol			2590	2680	78	78	80	80	3	3
Acenaphthene			~~3824~~ 2470	2530	74	74	76	76	3	3
Pentachlorophenol			3390	3460	102	102	104	104	2	2
Pyrene			2640	2660	79	79	80	80	<1	0.75

LDC #: 54508B2a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: GC/MS BNA (EPA SW 846 Method 8270 D)

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

$$\text{Concentration} = \frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$$

A_x	=	Area of the characteristic ion (EICP) for the target analyte to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. #6, Di-n-butyl Phthalate

Conc. = $\frac{(833391)(40)(1000)}{(1721436)(1.48)(14.82)\ 0.962}$

= 91.83 ug/kg

p 612 1/14.82 %S = 96.2

#	Sample ID	Target Analyte	Reported Concentration (ug/kg)	Calculated Concentration (ug/kg)	Qualification
	#6	Di-n-butylphthalate	92	91.83	

LDC #: 54508B3b
SDG #: R2205037
Laboratory: ALS Environmental, Rochester, NY

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 9/22/22
Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	SW/A	
II.	Initial calibration/ICV	A/A	%D RSD/ICV ≤20
III.	Continuing calibration	A	CCV ≤20
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	A	LCS 1D
IX.	Field duplicates	ND	D = 5, 6
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	SB2-5-6-220602	R2205037-001	Soil	06/02/22
2	SB2-6-7-220602	R2205037-002	Soil	06/02/22
3	SB2-7-8-220602	R2205037-003	Soil	06/02/22
4	SB2-8-9-220602	R2205037-004	Soil	06/02/22
5	SB2-9-10-220602	R2205037-005	Soil	06/02/22
6	SB2-FD-220602	R2205037-006	Soil	06/02/22
7	SB5-5-6-220602	R2205037-007	Soil	06/02/22
8	SB5-6-7-220602	R2205037-008	Soil	06/02/22
9	SB5-7-8-220602	R2205037-009	Soil	06/02/22
10	SB5-8-9-220602	R2205037-010	Soil	06/02/22
11	SB5-6-7-220602MS	R2205037-008MS	Soil	06/02/22
12	SB5-6-7-220602MSD	R2205037-008MSD	Soil	06/02/22
13				

Notes:

RQ 2206371-01

LDC #: 54-8 54508B36 **VALIDATION FINDINGS CHECKLIST**

Reviewer: FT

Method: ✓ GC __ HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?		✓		
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	✓			
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓	~~✓~~		
Were target analytes detected in the field duplicates?		✓	~~✓~~	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?			✓	
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.		✓		

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 54508B3b

VALIDATION FINDINGS WORKSHEET
Technical Holding Times

Reviewer: FT

All circled dates have exceeded the technical holding times.
Y N N/A Were all cooler temperatures within validation criteria?

METHOD : ✓ GC HPLC

Sample ID	Matrix	Preserved	Sampling Date	Extraction date	Analysis date	Total # of Days	Qualifier
All	cooler	temp=	10.8,	9.5, 8.1,	12.8, 11.6°C		text

TECHNICAL HOLDING TIME CRITERIA

VOLATILES:	Water unpreserved:	Aromatic within 7 days, non-aromatic within 14 days of sample collection.
	Water preserved:	Both within 14 days of sample collection.
	Soils:	Both within 14 days of sample collection.
	Encores unpreserved:	Both within 48 hours of sample collection.
	Encores preserved:	Both within 14 days of sample collection.
EXTRACTABLES:		
	Water:	Extracted within 7 days, analyzed within 40 days.
	Soil:	Extracted within 14 days, analyzed within 40 days.

LDC #: 54508B3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (std)	Recalculated CF (std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL DB170)	6/9/22	Aroclor 1260-)	4.286×10^5	4.286×10^5	4.188×10^5	4.188×10^5	11.4	11.4
2	ICAL DB 17	6/9/22	↓	5.242×10^5	5.242×10^5	5.011×10^5	5.011×10^5	11.1	11.1
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54508B3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV	6/10/22 333	Aroclor 1260-1 (DB-17)	500	445	445	11.09	11.0
			↓ (DB-17)	500	455	455	8.9	8.9
2	CCV	6/10/22 0709	↓	↓	461	461	7.7	7.7
			↓	↓	481	481	3.8	3.8
3	CCV	6/10/22 1045	↓	↓	468	468	6.4	6.4
			↓	↓	489	489	2.2	2.2
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54508B3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
DCB	DB-1701	50.0	40.461	81	81	0
TCMX	↓	↓	~~40.46~~ F7	80	80	0
			40.087			

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C`	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 54508B3b

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC ___HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the matrix spike and matrix spike duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC - SC)/SA

RPD =(({SSCMS - SSCMSD} * 2) / (SSCMS + SSCMSD))*100

Where SSC = Spiked sample concentration; SC = Sample concentration; SA = Spike added; MS = Matrix spike; MSD = Matrix spike duplicate

MS/MSD samples: 11 & 12

Compound	Spike Added (ug/kg)		Sample Conc. (ug/kg)	Spike Sample Concentration (ug/kg)		Matrix spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	---	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	205	194	ND	178	158	87	87	82	82	12	12

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54508B3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample

SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: ~~Aroclor 1260~~ RQ 2206371-02/03 FQ

Compound	Spike Added (ug/Kg)		Spike Sample Concentration (ug/Kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	165	167	127	129	77	77	77	77	1	1.56

Comments: _____

LDC #: 54508B36

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= (A)(Fv)(Df) / (RF)(Vs or Ws)(%S/100)

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. RQ2206371-02 Aroclor 1260-1

Concentration = $\frac{80524889}{4.188 \times 105}$ =

= 192.275

#	Sample ID	Target analyte	Reported Concentrations (ug/kg)	Recalculated Results Concentrations (ug/kg)	Qualifications
	LC>	Aroclor 1260	127	128.5	
	1260-1 =	192.275			
		196.994	final conc.	= 192.895 (10) / 15	
		180.749			
		201.976			
		192.480		= 128.5 ug/kg	
		Avg 192.895			

Comments: _____

Site:	Gold Street Public Utility Regulating Station (PURS), 164 John Street, Brooklyn, New York
Laboratory:	ALS Environmental, Rochester, NY
Report No.:	R2205037
Reviewer:	An Le and Stella Cuenco/Laboratory Data Consultants for Anchor Environmental – Seattle, WA
Date:	October 24, 2022

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB2-5-6-220602	R2205037-001	Metals, Total Solids
SB2-6-7-220602	R2205037-002	Metals, Total Solids
SB2-7-8-220602	R2205037-003	Metals, Total Solids
SB2-8-9-220602	R2205037-004	Metals, Total Solids
SB2-9-10-220602	R2205037-005	Metals, Total Solids
SB2-FD-220602	R2205037-006	Metals, Total Solids
SB5-5-6-220602	R2205037-007	Metals, Total Solids
SB5-6-7-220602	R2205037-008	Metals, Total Solids
SB5-7-8-220602	R2205037-009	Metals, Total Solids
SB5-8-9-220602	R2205037-010	Metals, Total Solids
SB5-6-7-220602MS	R2205037-008MS	Metals
SB5-6-7-220602MSD	R2205037-008MSD	Metals
SB5-6-7-220602DUP	R2205037-008DUP	Total Solids

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: SB2-9-10-220602 and SB2-FD-220602

The above-listed soil samples were collected on June 2, 2022 and were analyzed for metals by SW-846 methods 6010C/7471B and total solids by ALS SOP. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for ICP-AES Data Validation,* SOP No. HW-3a, ISM02.2, Revision 1 (September 2016), the USEPA Region 2 *Standard Operating Procedure for Mercury and Cyanide Data Validation,* SOP No. HW-3c, ISM02.2, Revision 1 (September 2016), and the USEPA *Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review,* EPA 542-R-20-006 (November 2020), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS)
- Serial Dilution Results
- Moisture Content
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

Metals

All criteria were met.

Total Solids

Instrument calibration was not required by the method.

CRQL Standard Recoveries

Metals

All criteria were met.

Blank Results

Metals

Analytes were detected below the reporting limits in the laboratory blank samples. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
ICB/CCB	Antimony	8.2 ug/L	RL	SB2-5-6-220602 SB2-6-7-220602 SB2-7-8-220602 SB2-8-9-220602 SB2-9-10-220602 SB2-FD-220602 SB5-5-6-220602 SB5-6-7-220602 SB5-7-8-220602 SB5-8-9-220602

Blank Actions for analytes detected below the reporting limit (RL).
If the sample result is < RL, report the result as nondetect (U) at the RL.
If the sample result is > RL or nondetect, no action is required.
Blank Actions for analytes detected above the reporting limit or RL.
If the sample result is < RL and <action level; report the result as nondetect (U) at the RL.
If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.
If the sample result is > action level or nondetect, no action is required.

No samples were qualified since the associated sample results were nondetect.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Total Solids

Contamination was not detected in the laboratory blank samples.

A field blank was not associated with this sample set. Validation action was not required on this basis.

ICP ICS Results

Metals

Analytes were within control limits in the ICSA and ICSAB analyses.

MS/MSD Results

Metals

MS/MSD analyses were performed on sample SB5-6-7-220602 for metals analyses. The following table lists the MS/MSD percent recoveries (%R) outside of control limits in the metals analyses and the resulting validation actions.

MS ID	Analyte	MS %R (Limits)	MS/D %R (Limits)	Affected Sample	Validation Action
SB5-6-7-220602MS/MSD	Arsenic	131 (75-125)	-	SB2-5-6-220602	J detects
	Chromium	140 (75-125)	-	SB2-6-7-220602	J detects
	Copper	142 (75-125)	-	SB2-7-8-220602	J detects
				SB2-8-9-220602	
				SB2-9-10-220602	
				SB2-FD-220602	
				SB5-5-6-220602	
				SB5-6-7-220602	
				SB5-7-8-220602	
				SB5-8-9-220602	

- Within control limits

The arsenic, chromium, and copper results may be biased high due to high MS/MSD percent recoveries. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

For SB5-6-7-220602MS/MSD, no data were qualified for aluminum, mercury, calcium, iron, magnesium, and manganese percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

The following table lists the MS/MSD relative percent differences (RPD) outside of control limits in the metals analyses and the resulting validation actions.

MS ID	Analyte	RPD (Limits)	Affected Sample	Validation Action
SB5-6-7-220602MS/MSD	Calcium	61 (≤20)	SB2-5-6-220602	J detects
	Chromium	21 (≤20)	SB2-6-7-220602	J detects
	Magnesium	43 (≤20)	SB2-7-8-220602	J detects
			SB2-8-9-220602	
			SB2-9-10-220602	
			SB2-FD-220602	
			SB5-5-6-220602	
			SB5-6-7-220602	
			SB5-7-8-220602	
			SB5-8-9-220602	

The calcium, chromium, and magnesium results were estimated due to MS/MSD relative percent difference exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

Total Solids

MS/MSD analyses were not required by the method.

Laboratory Duplicate Results

Metals

Laboratory duplicates were not associated with this sample set. Validation action was not required on this basis.

Total Solids

Laboratory duplicates were performed on sample SB5-6-7-220602 for total solids analysis. All criteria were met.

Field Duplicate Results

Samples SB2-9-10-220602 and SB2-FD-220602 were submitted as the field duplicate pair with this sample group. The following tables summarize the concentrations.

Metals

Analyte	Concentration (mg/Kg)		RPD
	SB2-9-10-220602	SB2-FD-220602	
Aluminum	3450	3570	3
Arsenic	2.08	1.9	9
Barium	37.4	29.3	24
Beryllium	0.23	0.28	20
Cadmium	0.23	0.17	30
Calcium	4570	5310	15

Analyte	Concentration (mg/Kg)		RPD
	SB2-9-10-220602	SB2-FD-220602	
Chromium	9.89	13.0	27
Cobalt	7.9	4.3	59
Copper	23.5	15.8	39
Iron	11800	12100	3
Lead	11.4	8.6	28
Magnesium	2660	5020	61
Manganese	229	194	17
Mercury	5.68	7.88	32
Nickel	16.6	28.6	53
Potassium	910	770	17
Sodium	151	120	23
Vanadium	18.6	17.0	9
Zinc	29.9	29.4	2

Total Solids

Analyte	Concentration (%)		RPD
	SB2-9-10-220602	SB2-FD-220602	
Total solids	96.10	95.51	1

LCS Results

Metals

All criteria were met.

Total Solids

Laboratory control samples (LCS) were not required by the method.

Serial Dilution Results

Metals

A serial dilution analysis was performed on sample SB5-6-7-220602 for metals analyses. The following table lists the serial dilution percent differences (%D) outside of control limits in the metals analyses and the resulting validation actions.

Diluted Sample	Analyte	%D (Limits)	Associated Samples	Validation Action
SB5-6-7-220602	Iron	21 (≤10)	SB2-5-6-220602 SB2-6-7-220602 SB2-7-8-220602 SB2-8-9-220602 SB2-9-10-220602 SB2-FD-220602 SB5-5-6-220602 SB5-6-7-220602 SB5-7-8-220602 SB5-8-9-220602	J detects

The iron result for the samples listed above was estimated due to serial dilution percent difference exceedance. The bias cannot be determined. The result can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

Moisture Content

All criteria were met.

Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the metals analyses. These results were estimated (J) by the laboratory.

No results were reported below the RL and above the MDL in the total solids analysis.

Due to high target analyte levels or sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	Metals Analyses Reported
SB2-5-6-220602 SB2-6-7-220602 SB2-7-8-220602 SB2-8-9-220602 SB2-9-10-220602 SB2-FD-220602	10-fold dilution due to high analyte levels for iron and mercury.
SB5-5-6-220602 SB5-7-8-220602	10-fold dilution due to high analyte levels for iron. 100-fold dilution due to high analyte levels for mercury.
SB5-6-7-220602	10-fold dilution due to high analyte levels for iron. 500-fold dilution due to high analyte levels for mercury.
SB5-8-9-220602	10-fold dilution due to high analyte levels for iron. 50-fold dilution due to high analyte levels for mercury.

Dilutions were not required for total solids analysis.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 54508B4b
SDG #: R2205037
Laboratory: ALS Environmental, Rochester, NY

VALIDATION COMPLETENESS WORKSHEET
Category B

Date: 10/21/22
Page: 1 of 1
Reviewer: ATV
2nd Reviewer: A

METHOD: Metals (EPA SW-846 Method 6010C/7471B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	A	
IV.	Laboratory Blanks	SW	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	SW	(11,12)
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	SW	
IX.	Laboratory control samples	A	LCS
X.	Field Duplicates	SW	(5,6)
XI.	Target Analyte Quantitation	A	MDL < samples < RL : Jdet
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	SB2-5-6-220602 (Fe, Hg @10X high analytes)	R2205037-001	Soil	06/02/22
2	SB2-6-7-220602	R2205037-002	Soil	06/02/22
3	SB2-7-8-220602	R2205037-003	Soil	06/02/22
4	SB2-8-9-220602	R2205037-004	Soil	06/02/22
5	SB2-9-10-220602	R2205037-005	Soil	06/02/22
6	SB2-FD-220602	R2205037-006	Soil	06/02/22
7	SB5-5-6-220602 (Hg @100X, Fe @10X high analytes)	R2205037-007	Soil	06/02/22
8	SB5-6-7-220602 (Hg @500X, Fe @10X high analytes)	R2205037-008	Soil	06/02/22
9	SB5-7-8-220602 (Hg @100X, Fe @10X high analytes)	R2205037-009	Soil	06/02/22
10	SB5-8-9-220602 (Hg @5DX, Fe @10X high analytes)	R2205037-010	Soil	06/02/22
11	SB5-6-7-220602MS	R2205037-008MS	Soil	06/02/22
12	SB5-6-7-220602MSD	R2205037-008MSD	Soil	06/02/22
13				
14				
15				
16				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	X			
Were all water samples preserved to a pH of <2.			X	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			X	
Were %RSDs of isoptoes in the tuning solution ≤5%?			X	
III. Calibration				
Were all instruments calibrated daily?	X			
Were the proper standards used?	X			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	X			
Were the low level standard checks within 70-130%?	X			
Were all initial calibration correlation coefficients within limits as specifed by the method?	X			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	X			
Was there contamination in the method blanks?		X		
Was there contamination in the initial and continuing calibration blanks?	X			
V. Interference Check Sample				
Were the interference check samples performed daily?	X			
Were the AB solution recoveries within 80-120%?	X			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)		X		
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?		X		
VII. Laboratory Control Samples				
SDG?	X			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	X			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			X	
If the recoveries were outside the limits, was a reanalysis performed?			X	
IX. Serial Dilution				
Were all percent differences <10%?		X		
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.		X		
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	X			
Were all soil samples dry weight corrected?	X			
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	X			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?	X			
Were target analytes detected in the field duplicates?	X			
XIII. Field Blanks				
Were field blanks identified in this SDG?		X		
Were target analytes detected in the field blanks?			X	

All elements are applicable to each sample as noted below.

Sample ID	Target Analyte List
1 to 10	Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Hg,Ni,K,Se,Ag,Na,Tl,V,Zn
QC	
11,12	Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Hg,Ni,K,Se,Ag,Na,Tl,V,Zn

Analysis Method

ICP	
ICP-MS	
CVAA	

VALIDATION FINDINGS WORKSHEET
Laboratory Blank Contamination (PB/ICB/CCB)

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: Associated Samples: all

				Sample Identification								
Analyte	**PB (mg/kg)**	**Maximum ICB/CCB (ug/L)**	**Action Level**									
Sb		8.2										

Comments: The listed analyte concentrtaion is the highest ICB or CCB detected in the analysis. The action level, when applicable, is established at 5X the highest ICB, CCB, or PB concentration.

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

MS/MSD analysis was performed by the laboratory. All MS/MSD percent recoveries (%R) and relative percent differences (RPDs) were within the acceptable limits with the following exceptions:

MS/MSD ID	Matrix	Analyte	MS %R	MSD %R	%R Limit	RPD	RPD Limit	Associated Samples	Qualification	Det/ND
11 & 12	S	Ca				61	20	all	J/UJ/A	Det
		Cr				21	20	all	J/UJ/A	Det
		Mg				43	20	all	J/UJ/A	Det
		As	131		75-125			all	Jdet/A	Det
		Cr	140		75-125			all	Jdet/A	Det
		Cu	142		75-125			all	Jdet/A	Det

Comments: 11/12: Al, Hg, Ca, Fe, Mg, Mn > 4X

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Serial dilution analysis was performed by the laboratory. All serial dilution percent differences (%D) were within 10%D with the following exceptions:

Diluted Sample ID	Matrix	Analyte	%D	Associated Samples	Qualification	Det/ND
8	S	Fe	21	all	J/UJ/A	Det

Comments:

Method: Metals

Analyte	Concentration (mg/kg)		RPD (≤ 30)	Qualifiers (Parents Only)
	5	6		
Aluminum	3450	3570	3	
Arsenic	2.08	1.9	9	
Barium	37.4	29.3	24	
Beryllium	0.23	0.28	20	
Cadmium	0.23	0.17	30	
Calcium	4570	5310	15	
Chromium	9.89	13.0	27	
Cobalt	7.9	4.3	59	
Copper	23.5	15.8	39	
Iron	11800	12100	3	
Lead	11.4	8.6	28	
Magnesium	2660	5020	61	
Manganese	229	194	17	
Mercury	5.68	7.88	32	
Nickel	16.6	28.6	53	
Potassium	910	770	17	
Sodium	151	120	23	
Vanadium	18.6	17.0	9	
Zinc	29.9	29.4	2	

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An intial calibration verification (ICV), continuing calibration verification (CCV), low level calibration check (LLCC), and interference check sample (ICSAB) percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
ICV	ICP	Zn	987.8	1000	98.78	99	Y
CCV3	ICP	Mg	24844.8	25000	99.3792	99	Y
LLCC	ICP	Be	5.1	5	102	102	Y
ICSAB	ICP	Ni	955	1000	95.5	96	Y
ICV	ICP-MS						
CCV	ICP-MS						
LLCC	ICP-MS						
ICSAB	ICP-MS						
ICV	CVAA	Hg	3.043	3	101.4333333	101	Y
CCV6	CVAA	Hg	3.295	3	109.8333333	110	Y

ICP-MS Tune	QC Parameter	Mass	Actual	Required
	Mass Axis			± 0.1 amu
	%RSD			≤ 5%

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Percent recoveries (%R) for the laboratory control sample (LCS), matrix spike (MS), and post digestion spike (PDS) were recalculated using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis. For the MS calculation, Found = SSR (Spiked Sample Result) - SR (Sample Result)

True = concentration of each analyte in the source

The sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

RPD = (Absolute value(S-D)x 200) / (S+D)

S = Original sample concentration

D = Duplicate sample concentration

The serial dilution percent difference (%D) was recalculated using the following formula.

%D = (Absolute value (I - SDR)) x 100 / (I)

I = Initial sample result

SDR = Serial dilution result (with a 5x dilution applied)

Sample ID	Type of Analysis	Element	Found/S/I	True/D/SDR	Recalculated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
LCS	LCS	Hg	0.283	0.25	113.2	113	Y
11	MS	Ag	4.98	5.1	97.64705882	99	Y
11 & 12	Duplicate	Ag	5.171	4.98	3.763176042	4	Y
8	PDS	Sb	451.4	500	90.28	90	Y
8	Serial dilution	Al	61890	59624.2	3.661011472	4	Y

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)
Analytes were recalculated and verified using the following equation:
Concentration = (Result from raw data x Final volume x Dilution factor) / (Percent solids x Initial weight)

Sample ID	Analyte	Raw Data (ppm/ppb)	Dilution	Initial Weight/ Volume (g)	Final Volume (ml)	Percent solids (%)	Reported Result (mg/kg)	Recalculated Result (mg/kg)	Acceptable (Y/N)
1	Al	42.1021	1	0.53	50	96	4140	4137.391903	Y
2	Ba	0.4207	1	0.53	50	95.9	41.4	41.38548409	Y
3	Cr	0.1375	1	0.55	50	96.2	13	12.99376299	Y
4	Fe	12.3254	10	0.51	50	96.7	12500	12496.09668	Y
5	Mn	2.3306	1	0.53	50	96.1	229	228.7907643	Y
6	V	0.1653	1	0.51	50	95.5	17	16.96951032	Y
7	Ca	26.7462	1	0.53	50	88.9	2840	2838.274933	Y
8	As	0.1458	1	0.55	50	90	14.7	14.72727273	Y
9	Zn	0.3269	1	0.54	50	92.2	32.8	32.82919579	Y
10	Pb	0.0853	1	0.54	50	91.7	8.6	8.613029605	Y
1	Hg	5.738	10	0.2	50	96	14.9	14.94270833	Y
2	Hg	2.704	10	0.21	50	95.9	6.7	6.713342271	Y
3	Hg	4.097	10	0.2	50	96.2	10.6	10.6470894	Y
4	Hg	2.751	10	0.21	50	96.7	6.8	6.77352637	Y
5	Hg	2.621	10	0.24	50	96.1	5.7	5.682015262	Y
6	Hg	3.762	10	0.25	50	95.5	7.9	7.878534031	Y
7	Hg	6.043	100	0.2	50	88.9	170	169.9381327	Y
8	Hg	3.176	500	0.25	50	90	353	352.8888889	Y
9	Hg	1.114	100	0.25	50	92.2	24.2	24.164859	Y
10	Hg	3.018	50	0.2	50	91.7	41.1	41.13958561	Y

LDC #: 54508B6 **VALIDATION COMPLETENESS WORKSHEET** Date: 10/21/22
SDG #: R2205037 Category B Page: 1 of 1
Laboratory: ALS Environmental, Rochester, NY Reviewer: ATV
2nd Reviewer: [illegible]

METHOD: (Analyte) Total Solids (ALS SOP)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A,A	
II	Initial calibration	N	
III.	Calibration verification	N	
IV	Laboratory Blanks	A	
V	Field blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	A	11
VIII.	Laboratory control samples	N	
IX.	Field duplicates	SW	(5,6)
X.	Target Analyte Quantitation	A	
XI	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	SB2-5-6-220602	R2205037-001	Soil	06/02/22
2	SB2-6-7-220602	R2205037-002	Soil	06/02/22
3	SB2-7-8-220602	R2205037-003	Soil	06/02/22
4	SB2-8-9-220602	R2205037-004	Soil	06/02/22
5	SB2-9-10-220602	R2205037-005	Soil	06/02/22
6	SB2-FD-220602	R2205037-006	Soil	06/02/22
7	SB5-5-6-220602	R2205037-007	Soil	06/02/22
8	SB5-6-7-220602	R2205037-008	Soil	06/02/22
9	SB5-7-8-220602	R2205037-009	Soil	06/02/22
10	SB5-8-9-220602	R2205037-010	Soil	06/02/22
11	SB5-6-7-220602DUP	R2205037-008DUP	Soil	06/02/22
12				
13				
14				
15				

Notes:

METHOD: Inorganics				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
II. Calibration				
Were all instruments calibrated at the required frequency?			✓	
Were the proper number of standards used?			✓	
Were all initial and continuing calibration verifications within the QC limits?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?			✓	
Were balance checks performed as required?	✓			
III. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?			✓	
IV. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?	✓			
V. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?			✓	
Were the LCS recoveries and RPDs (if applicable) within QC limits?			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			

METHOD: Inorganics				
Validation Area	**Yes**	**No**	**NA**	**Comments**
XII. Field Duplicates				
Were field duplicates identifed in this SDG?	✓			
Were target analytes detected in the field duplicates?	✓			
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC# 54508B6

VALIDATION FINDINGS WORKSHEET

Field Duplicates

Reviewer: ATL

Inorganics: Method See Cover

Analyte	Concentration (%)		RPD	
	5	6		
Total Solids	96.10	95.51	1	

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LDC #: 54508B6

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATV

METHOD: Inorganics, Method see cover

Percent recoveries (%R) for a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

Sample ID	Type of Analysis	Element	Found / S (units)	True / D (units)	Recalculated %R / RPD	Reported %R / RPD	Acceptable (Y/N)
	Laboratory control sample						
	Matrix spike sample		(SSR-SR)				
11	Duplicate sample	TS	90.52 %	90.03 %	0.54	<1	Y

Comments: _____

LDC #: 54508B6

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATV

METHOD: Inorganics, Method See cover

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments?
(Y) N N/A Are all detection limits below the CRQL?

Compound (analyte) results for TS reported with a positive detect were recalculated and verified using the following equation:

Concentration = Recalculation: #5

$$\frac{14.02 - 2.43}{14.49 - 2.43} \times 100 = 96.10$$

#	Sample ID	Analyte	Reported Concentration (%)	Calculated Concentration (%)	Acceptable (Y/N)
	1	TS	96	96.02	Y
	2	TS	95.9	95.86	
	3	TS	96.2	96.18	
	4	TS	96.7	96.70	
	5	TS	96.1	96.10	
	6	TS	95.5	95.51	
	7	TS	88.9	88.90	
	8	TS	90.0	90.03	
	9	TS	92.2	92.2	
	10	TS	91.7	91.67	

Note:

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ANCHOR QEA

Data Usability Summary Report

January 25, 2023

Project: 164 John Street

Project Number: E10921-03.01

Introduction

This Data Usability Summary Report (DUSR) summarizes the results of the validation of laboratory data for three water samples, one soil sample, one field duplicate sample, one equipment blank sample, and one rinsate blank sample collected on November 1 and 2, 2022 by Anchor QEA, LLC. Data were validated by Anchor QEA on behalf of Consolidated Edison.

Laboratory results were reviewed using the following guidelines, as applicable to each method:

- *Quality Assurance Project Plan (QAPP)*, 164 John Street (Anchor QEA 2022)
- *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods* (USEPA 1986)
- *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA 2020a)
- *National Functional Guidelines for Inorganic Superfund Data Review* (USEPA 2020b)
- *Region 2 Standard Operating Procedure for Validating Volatile Organic Compounds* (USEPA 2014)
- *Region 2 Standard Operating Procedure for Validating Semivolatile Organic Compounds* (USEPA 2010)
- *Region 2 Standard Operating Procedure for Validating PCB Compounds*, (USEPA 2006)
- *Region 2 Standard Operating Procedure for ICP-AES Data Validation* (USEPA 2016a)
- *Region 2 Standard Operating Procedure for Mercury and Cyanide Data Validation*, (USEPA 2016b)

Data Usability Assessment

Analytical data reported were validated following Stage 4 criteria (USEPA 2009). Quality control results were evaluated using control limits listed in QAPP Table 6. For analyses with no control limits listed, laboratory control limits were used to assess data quality. Unless noted in this report, laboratory results for the samples listed in Table 1 were within quality control criteria. Samples were analyzed by ALS Environmental (ALS) in Rochester, New York for the following parameters:

- Semivolatile organic compounds (SVOCs) by U.S. Environmental Protection Agency (USEPA) method 8270D
- Volatile organic compounds (VOCs) by USEPA method 8260C
- Polychlorinated biphenyl Aroclors (PCBs) by USEPA method 8082A
- Total and dissolved metals by USEPA methods 6010C, 7470A, and 7471B
- Total solids (TS) by USEPA method 160.3 modified

ALS sample delivery group (SDG) number R2210625 was reviewed in this report. Sample IDs, matrices, and analyses of the samples are summarized in Table 1.

Table 1
Sample IDs and Matrices

Sample ID	Laboratory Sample ID	Matrix	Analyses
JSSC-TMW-01-20221101	R2210625-002, -003	Water	SVOCs, VOCs, PCBs, metals
JSSC-TMW-01-DUP-20221101	R2210625-004, -005	Water	SVOCs, VOCs, PCBs, metals
JSSC-MW-07-20221102	R2210625-006, -007	Water	SVOCs, VOCs, PCBs, metals
JSSC-HW-10-20221102	R2210625-008, -009	Water	SVOCs, VOCs, PCBs, metals
JSSC-EB-01-20221102	R2210625-010, -011	Water	SVOCs, VOCs, PCBs, metals
JSSC-TB-01-20221102	R2210625-012	Water	VOCs
JSSC-TMW-01-16-17-20221101	R2210625-013	Soil	SVOCs, VOCs, PCBs, metals, TS

Data were evaluated based on the following parameters:

- Sample receipt
- Data completeness
- Sample preservation and holding times
- Instrument performance checks
- Initial and continuing calibrations
- Method blanks
- Internal standards and surrogate spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD)
- Matrix spike (MS)/matrix spike duplicates
- Laboratory duplicates
- Equipment rinsate blank
- Trip blank
- Field duplicates
- Method reporting limits
- Moisture content
- Sample quantitation and compound identification

Any quality control deficiencies in the analytical data are described in the following sections. Table 2 summarizes the field duplicate results and validation qualifiers applied to the data are summarized in Table 3.

Sample Receipt

The chain-of-custody form was signed by the laboratory at the time of sample receipt. Samples were received at the laboratory within the recommended temperature range and mostly in good

condition. One sample jar lid was cracked and replaced upon receipt at the laboratory and two one-liter amber bottles for one sample were broken, however, extra volume was provided, and the sample was analyzed for all requested methods.

Data Completeness

The data package was complete as defined under the requirements of the New York State Department of Environmental Conservation Analytical Services Protocol Category B deliverables.

Sample Preservation and Holding Times

Samples were appropriately preserved and prepared and analyzed within holding times.

Instrument Performance Checks

Instrument performance checks were performed at the required frequency and ion abundance criteria were met.

Initial Calibrations

Initial calibrations met method criteria.

Calibration Verifications

Initial calibration verifications (ICV) and continuing calibration verification (CCVs) met method criteria with the following exceptions:

- VOCs – The percent difference (%D) values for 2,2-dichloropropane and vinyl acetate in the CCV analyzed in association with the water samples were below the control limit. Associated sample results have been qualified "UJ" to indicate a potentially low bias.
- SVOCs
  - The atrazine %D values in all three ICVs reported were above the control limit. Associated sample results have been qualified "UJ" to indicate they are estimated.
  - Eighteen analyte %D values were above the control limit in the CCV analyzed in association with the equipment blank sample. Associated sample results were below detection, so no data were qualified.
  - The percent drift values for 2,4-dinitrophenol, hexachlorocyclopentadiene, and pentachlorophenol were below the control limit in the CCV analyzed in association with the water samples. Associated sample results have been qualified "UJ" to indicate a potentially low bias.
  - Twelve analyte %D values were above the control limit in the CCV analyzed in association with the soil sample. Associated results were below detection so no data were qualified.

Laboratory Method Blanks and Calibration Blanks

Laboratory method blanks and initial calibration blanks (ICBs) and continuing calibration blanks (CCBs) were analyzed at the required frequencies. Method blanks and calibration blanks were free of target analytes with the following exceptions:

- Total thallium was detected in the water method blank at a level between the method detection limit (MDL) and the method reporting limit (MRL). Associated sample results were below detection so no qualification was necessary.
- Antimony was detected in the ICB analyzed in batch 785279 and the CCB analyzed in the same batch on 11/12/22 at 00:16. Associated sample results were below detection, except for total antimony in sample JSSC-TMW-01-20221101, which was significantly less than the concentration of the blanks and has been qualified as a non-detect.
- Thallium and vanadium were detected in one or more CCBs, however; associated sample results were below detection, so no action was necessary.
- Antimony was detected in the ICB and CCB analyzed in association with the soil sample. The sample result was below detection, so no action was necessary.

Internal Standards and Surrogate Spike Recoveries

Internal standard area counts and retention times were within method criteria. Surrogates recovered within laboratory control limits, except for decachlorobiphenyl in the PCB analysis of sample JSSC-TMW-01-16-17-20221101, which recovered below the control limit. The sample was re-extracted and reanalyzed, resulting in surrogate recoveries within control limits. Results have been reported from the reanalysis and no data qualification was necessary.

Laboratory Control and Laboratory Control Sample Duplicates

LCS and LCSD were analyzed at the required frequency and resulted in recoveries or RPD values within project-required or laboratory control limits with the following exceptions in the SVOC analyses:

- Batch 409605 – 3,3'-Dichlorobenzidine recovered below the control limit in the LCSD. Associated sample results have been qualified "UJ" to indicate a potentially low bias.
- Batch 409679 – The LCS/LCSD RPD values for 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, and caprolactam were above the control limit and atrazine recovered above the control limit in the LCSD. Associated sample results were below detection so no qualification was required, except for caprolactam in sample JSSC-MW-07-20221102. This result has been qualified "J" to indicate it is estimated.
- Batch 409747 – 4-Chloroaniline recovered below the control limit in the LCS and LCSD. 2,4-Dinitrophenol recovered below the control limit in the LCSD and the RPD value for was above

the control limit. Associated sample results have been qualified "UJ" to indicate a potentially low bias.

Laboratory Duplicates

No laboratory duplicates were required or analyzed in association with these sample sets.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequency or LCS and/or LCSDs were analyzed in place of MS/MSDs. Recoveries and/or RPD values were within project-required or laboratory control limits with the following exceptions:

- VOCs – The 1,4-dioxane RPD value in the MS analyzed on sample JSSC-HW-10-20221102. Since recoveries were within control limits and the parent sample result was below detection, no data were qualified.
- SVOCs
  - 3,3'-Dichlorobenzidine recovered below the control limit in the MS and MSD analyzed on sample JSSC-HW-10-20221102 and the RPD value was above the control limit. The MS recovered at 7% and the MSD recovered at 12%. The NFG specifies rejection of results with recoveries less than 10%, however, this is a known problematic compound so, using professional judgment, the associated parent sample result has been qualified "UJ" to indicate a potentially low bias.
  - Atrazine recovered above the control limit in the MSD. The associated parent sample result was below detection, so no data were qualified.
- Metals – Total iron recovered below the control limit in the MS analyzed on sample JSSC-HW-10-20221102. Associated batch sample results have been qualified "J" or "UJ" to indicate a potentially low bias. The RPD value for dissolved iron for the MS/MSD analyzed on the same sample was above the control limit. Associated detected sample results have been qualified "J" to indicate they are estimated.

Second Column Confirmation Results

All column confirmation analyses (PCB) results were below detection.

Contract Required Quantitation Limit Standard

Contract required quantitation limit (CRQL) standards were analyzed at the required frequency and resulted in recoveries within method control limits.

Serial Dilutions

Serial dilutions were analyzed on project samples for metals analyses and results met validation criteria.

Interference Check Samples

Interference check solutions (ICSA and ICSAB) were analyzed at the required frequency and results were within method control limits.

Field Quality Control Samples

Field Quality Control Samples Included an equipment rinsate blank, a trip blank, and a field duplicate.

Equipment Rinse Blank

One rinsate blank was collected in association with this sample set. Target analytes were below detection, except for detections of methylene chloride and acetophenone at levels between the MDLs and RLs. Detected sample results that were not significantly greater than (greater than five times) the levels detected in the blank have been qualified as non-detects.

Trip Blank

One trip blank was submitted and analyzed for VOCs with this sample set and was free of target analytes.

Field Duplicate

One field duplicate was collected in association with this sample set and detected results are summarized in Table 2. Results that were less than five times the MRL were assessed by the difference between them versus the RPD value. Results below detection were evaluated as the MRL value and field duplicate difference values were assessed using ± MRL. RPD values were evaluated using the project control limit of ± 50%. Field duplicate difference or RPD values were within control limits, except for dissolved iron. Consistent with the project QAPP, no data were qualified based on field duplicate precision alone.

Table 2
Field Duplicate Detections Summary

Analyte	JSSC-TMW-01-20221101	JSSC-TMW-01-DUP-20221101	RPD	Difference	Reporting Limit
Dissolved Arsenic	224 µg/L	219 µg/L	2%	--	--
Dissolved Barium	219 µg/L	220 µg/L	0%	--	--
Dissolved Calcium	53700 µg/L	54300 µg/L	1%	--	--
Dissolved Chromium	66 µg/L	65 µg/L	2%	--	--
Dissolved Iron	900 µg/L	100U µg/L	--	800 µg/L	100 µg/L
Dissolved Magnesium	4800 µg/L	4900 µg/L	--	100 µg/L	1000 µg/L
Dissolved Manganese	53 µg/L	44 µg/L	--	9 µg/L	10 µg/L
Dissolved Potassium	10400 µg/L	10500 µg/L	1%	--	--
Dissolved Sodium	184000 µg/L	184000 µg/L	0%	--	--
Total Aluminum	80J µg/L	120 µg/L	--	40 µg/L	100 µg/L
Total Arsenic	219 µg/L	217 µg/L	1%	--	--

Analyte	JSSC-TMW-01-20221101	JSSC-TMW-01-DUP-20221101	RPD	Difference	Reporting Limit
Total Barium	218 µg/L	216 µg/L	1%	--	--
Total Calcium	53600 µg/L	53100 µg/L	1%	--	--
Total Chromium	64 µg/L	64 µg/L	0%	--	--
Total Cobalt	1J µg/L	50U µg/L	--	49 µg/L	50 µg/L
Total Iron	150 µg/L	230 µg/L	--	80 µg/L	100 µg/L
Total Magnesium	4800 µg/L	4800 µg/L	--	0 µg/L	1000 µg/L
Total Manganese	48 µg/L	48 µg/L	--	0 µg/L	10 µg/L
Total Potassium	10500 µg/L	10500 µg/L	0%	--	--
Total Sodium	184000 µg/L	185000 µg/L	1%	--	--
Total Vanadium	6J µg/L	6J µg/L	--	0 µg/L	50 µg/L
Dissolved Mercury	0.27 µg/L	0.27 µg/L	--	0 µg/L	0.2 µg/L
Total Mercury	0.42 µg/L	0.39 µg/L	--	0.03 µg/L	0.2 µg/L
Acetophenone	1.8J µg/L	1.8J µg/L	--	0 µg/L	8.8 µg/L

Method Reporting Limits

Method reporting limits (MRLs) were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or, when diluted, the reporting limits reflect the dilution factor.

Moisture content

The soil sample moisture content met validation criteria.

Sample Quantitation

Calculations were spot-checked and reported results matched recalculated values.

Overall Assessment

The laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the calibration, internal standard, surrogate, LCS/LCSD, and MS/MSD results and recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values with the exceptions noted above. Some results were qualified due to hold time exceedances. All data are acceptable as reported or as qualified.

Data Qualifier Definitions

U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.

J Indicates an estimated value.

UJ Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated

DNR Do not report

Table 3
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
JSSC-EB-01-20221102	Metals	Total Iron	100U µg/L	100UJ µg/L	MS %R below CL
	SVOCs	Atrazine	9.3U µg/L	9.3UJ µg/L	ICV %D above CL
	VOCs	2,2-Dichloropropane	5U µg/L	5UJ µg/L	CCV %D below CL
		Vinyl acetate	10U µg/L	10UJ µg/L	
JSSC-HW-10-20221102	Metals	Dissolved Iron	160 µg/L	160J µg/L	MS %R below CL
		Total Iron	430 µg/L	430J µg/L	
	SVOCs	2,4-Dinitrophenol	44U µg/L	44UJ µg/L	CCV %D below CL
		Hexachlorocyclopentadiene	8.8U µg/L	8.8UJ µg/L	
		Pentachlorophenol	44U µg/L	44UJ µg/L	
		Atrazine	8.8U µg/L	8.8UJ µg/L	ICV %D above CL
		3,3'-Dichlorobenzidine	8.8U µg/L	8.8UJ µg/L	MS/MSD %R below CL
	VOCs	2,2-Dichloropropane	5U µg/L	5UJ µg/L	CCV %D below CL
		Vinyl acetate	10U µg/L	10UJ µg/L	
		Methylene chloride	0.69J µg/L	0.69U µg/L	EB contamination
JSSC-MW-07-20221102	Metals	Dissolved Iron	90J µg/L	90J µg/L	MS %R below CL
		Total Iron	640 µg/L	640J µg/L	
	SVOCs	2,4-Dinitrophenol	45U µg/L	45UJ µg/L	CCV %D below CL
		Hexachlorocyclopentadiene	8.9U µg/L	8.9UJ µg/L	
		Pentachlorophenol	45U µg/L	45UJ µg/L	
		Acetophenone	1.9J µg/L	1.9U µg/L	EB contamination
		Atrazine	8.9U µg/L	8.9UJ µg/L	ICV %D above CL
		Caprolactam	1.3J µg/L	1.3J µg/L	LCS/LCSD RPD above CL
	VOCs	2,2-Dichloropropane	5U µg/L	5UJ µg/L	CCV %D below CL
		Vinyl acetate	10U µg/L	10UJ µg/L	
		Methylene chloride	0.66J µg/L	0.66U µg/L	EB contamination
JSSC-TB-01-20221102	VOCs	2,2-Dichloropropane	5U µg/L	5UJ µg/L	CCV %D below CL
		Vinyl acetate	10U µg/L	10UJ µg/L	
JSSC-TMW-01-16-17-20221101	PCBs	All TCL Analytes	Various	DNR	Report from reanalysis
	SVOCs	Atrazine	350U µg/kg	350UJ µg/kg	ICV %D above CL
		4-Chloroaniline	350U µg/kg	350UJ µg/kg	LCS/LCSD %R below CL
		2,4-Dinitrophenol	1800U µg/kg	1800UJ µg/kg	LCSD %R below CL
JSSC-TMW-01-20221101	Metals	Total Antimony	8J µg/L	8U µg/L	ICB/CCB contamination
		Dissolved Iron	900 µg/L	900J µg/L	MS %R below CL
		Total Iron	150 µg/L	150J µg/L	
	SVOCs	2,4-Dinitrophenol	44U µg/L	44UJ µg/L	CCV %D below CL
		Hexachlorocyclopentadiene	8.8U µg/L	8.8UJ µg/L	
		Pentachlorophenol	44U µg/L	44UJ µg/L	
		Acetophenone	1.8J µg/L	1.8U µg/L	EB contamination
		Atrazine	8.8U µg/L	8.8UJ µg/L	ICV %D above CL
		3,3'-Dichlorobenzidine	8.8U µg/L	8.8UJ µg/L	LCSD %R below CL
	VOCs	2,2-Dichloropropane	5U µg/L	5UJ µg/L	CCV %D below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
		Vinyl acetate	10U µg/L	10UJ µg/L	
JSSC-TMW-01-DUP-20221101	Metals	Total Iron	230 µg/L	230J µg/L	MS %R below CL
	SVOCs	2,4-Dinitrophenol	44U µg/L	44UJ µg/L	CCV %D below CL
		Hexachlorocyclopentadiene	8.8U µg/L	8.8UJ µg/L	
		Pentachlorophenol	44U µg/L	44UJ µg/L	
		Acetophenone	1.8J µg/L	1.8U µg/L	EB contamination
		Atrazine	8.8U µg/L	8.8UJ µg/L	ICV %D above CL
		3,3'-Dichlorobenzidine	8.8U µg/L	8.8UJ µg/L	LCSD %R below CL
	VOCs	2,2-Dichloropropane	5U µg/L	5UJ µg/L	CCV %D below CL
		Vinyl acetate	10U µg/L	10UJ µg/L	

Notes:
mg/kg: milligram per kilogram
ng/L: nanogram per liter

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