West State Street Redevelopment Property
120-136 West State Street and 115 Pine Street
City of Traverse City, Grand Traverse County, Michigan
EGLE Part 201 Facility Identification Numbers: 28000207 & 28000513

REMEDIAL INVESTIGATION STATUS REPORT

March 2024

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Environmental ▪Brownfield ▪Asbestos

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1.0 INTRODUCTION

Otwell Mawby, P.C. (Otwell Mawby) has prepared this Remedial Investigation Status Report through funding provided by a Michigan Department of Environment, Great Lakes and Energy (EGLE) Brownfield Grant (Tracking Code: 2023-2532). The Grant was awarded to the Traverse City Downtown Development Authority, which is the property developer, who is working in coordination with the property owner, the City of Traverse City, to redeveloped six parcels that are located off of West State and Pine Streets in the City of Traverse City, Grand Traverse County, Michigan (hereafter collectively referenced to as the subject property). The location of the subject property is shown on the attached Figure 1, Site Location Map. Details of the parcels that comprise the subject property are summarized in the following table.

Parcel Identification Number	Parcel Address	Parcel Size (Acres)	Parcel Owner	Parcel Use/ Current Development
28-51-794-012-00	120 W. State St.	0.13	City of Traverse City	Vacant Commercial Building
28-51-794-014-01	122 W. State St.	0.25	City of Traverse City	Vacant Commercial Building, Surface Parking Lot
28-51-794-013-02	126 W. State St.	0.32	City of Traverse City	Surface Parking Lot
28-51-794-017-01	130 W. State St.	0.38	City of Traverse City	Vacant Mixed Use Building, Surface Parking Lot
28-51-794-018-00	136 W. State St.	0.04	City of Traverse City	Vacant, Grassy Area
28-51-794-021-00	115 Pine St.	0.32	City of Traverse City	Vacant Commercial Building/ Former Drycleaner

Refer to the attached Figure 2 for a map that depicts the locations of the parcels that comprise the subject property.

The remedial investigation activities discussed within this document were completed in accordance with Work Plan #2, which was approved by EGLE on October 9, 2023.

Currently, the subject property is developed with four vacant buildings and surficial parking spaces. Areas of bordering landscaping and concrete sidewalks are also present. Redevelopment of the subject property is planned to include removal of each of the onsite structures and associated infrastructure that is to be replaced with a municipal parking structure and two mixed use buildings that are to be interconnected. One of the mixed use structures will front Pine Street and one State Street. The structures will have commercial spaces present on the first floor with five overlying stories of residential spaces. The parking deck will also have first floor office and utility spaces. The parking deck will share an elevator and stairwell with the structure that fronts Pine Street. The buildings are planned to be constructed with a first floor concrete slab and will be connected to and utilize electricity, natural gas (for heat), and municipal water and sanitary sewer services. Stormwater is planned to be handled through the municipal sewer system with overflow being managed through two subsurface percolation beds below the central portion of the planned parking deck building. Additional details of the structures were not available at the time of this writing as design of the development was not complete.

Redevelopment of the subject property will include the disturbance of soil and/ or groundwater to facilitate installation of subsurface utility replacements/ installations and construction of the planned building. These activities will include characterization and landfilling of soils, potentially treatment and disposal of impacted groundwater for construction dewatering, and mitigation of exposure pathways.

This report documents the Remedial Investigation activities completed at the subject property between October 11, 2023 and February 19, 2024. The purpose of the Remedial Investigation was to provide additional characterization of the site, including the extent of soil and groundwater impact and additional assessment of the potential volatilization to indoor air pathway, as detailed in Work Plan #2. Details of the Remedial Investigation activities are discussed in the following sections.

2.0 HISTORICAL INVESTIGATION SUMMARY

The following section summarizes the results of prior investigations completed on the subject property that were conducted for acquisition due diligence, due care planning, and as part of an adjacent State funded cleanup project. Due to the large number of reports and their size they are not attached but are on file with Otwell Mawby. A summary of the investigations are detailed in Section 2.1 and the attached Figure 3, depicts the locations of soil borings advanced during the investigations and provides a summary of the laboratory analytical results. The attached Tables 1 through 3 also provide a summary of the laboratory analytical results from the investigations.

2.1 Historical Investigation Summary

Previous investigations were completed on the subject property between 2016 and 2022, which have identified the widespread presence of volatile organic compounds (VOCs) and metals in soil and/ or groundwater at concentrations in excess of Drinking Water, Groundwater Surface Water Interface Criteria, Direct Contact and Volatilization to Indoor Air Pathway (VIAP) Screening Levels. The investigations in the eastern and central portions of the subject property identified Criteria and Screening Level exceedances as a likely result of the presence of impacted fill and potentially from the historical uses of the parcels that included an automobile salvage yard, dry cleaner, automotive repair, blacksmith shop, among other commercial uses. The investigations completed in the western portions of the subject property (115 Pine Street and 136 West Front Street) and resulting GCC/ VIAP Screening Level exceedances, are the result of the historical use of the 115 Pine Street parcel as a drycleaner. Details of the historical uses of the parcels that comprise the subject property are detailed in Baseline Environmental Assessments (BEAs) that have been filed with EGLE and are detailed in the following table.

BEA Identification Number	Parcel Address at Time of BEA Submittal	Current Parcel Address
50005374-BEA-1	124, 128, 130 West State Street	126 and 130 West State Street
50005374-BEA-2	124, 128, 130 West State Street	126 and 130 West State Street
28000207-BEA-1	115 Pine Street	115 Pine Street
28000513-BEA-1	118 and 122 West State Street	120 and 122 West State Street
28000513-BEA-2	118 and 122 West State Street	120 and 122 West State Street

3.0 FIELD INVESTIGATION ACTIVITIES

Field investigation activities completed as part of the Remedial Investigation were performed between October 11, 2023 and February 19, 2024. These activities included the advancement of nine soil borings within the interior of existing structures and 32 on the exterior portions of the subject property, with subsequent collection and laboratory analysis of soil and groundwater samples. The investigation also included collection of one sub-slab soil gas sample from an installed VaporPin® and 12 samples from installed soil gas wells during two sampling events (November 2023 and February 2024). These activities are detailed in the following sections. Photographs documenting the investigation activities are contained in Appendix A.

3.1 Subsurface Investigation

On October 11, 12, 31 and November 1, 2 and 7, 2023, and February 19, 2024, Otwell Mawby mobilized to the subject property to complete the subsurface investigation activities. During the investigation, borings were advanced using either a stainless steel hand auger, a drill powered 3" hollow stem flighted auger, or direct-push sampling technology (Geoprobe® Model 7822DT) and were designated by a numerical number. The hand auger borings (designated as "HA" followed by a boring number) were advanced using a portable core drill to penetrate the concrete followed by which the borings were advanced using either a stainless steel hand auger or a drill powered 3" hollow stem flighted auger with a 24" soil recovery probe. The borings advanced using the drill rig were designated as "GP" followed by a numerical designator. The boring numbers started where numbers from prior investigations ended. The borings were advanced to provide additional soil and groundwater characterization, determine the potential for environmental/ occupant exposures, determine the nature and extent of onsite impacts, and complete waste characterization of materials to be transported and disposed off-site as part of future redevelopment activities. Within the historical dry cleaning building, the concrete floor slab was also sampled to evaluate the waste characteristics and disposal requirements of the floor slab that is planned to be removed as part of future redevelopment. Soils below the slab are also planned to be excavated as part of a future remedial effort. The boring locations are depicted on the attached Figure 3.

At each boring location, soils were continuously screened for impact based upon field-screening parameters of visible staining, olfactory evidence, and through the qualitative measurement of VOCs with a hand-held photo ionization detector (PID). Sample selection was based upon future management/ waste characterization needs and/ or field-screening parameters of visible staining, olfactory evidence, and positive PID results; absent these indicators, samples were collected from those depths most likely to indicate impacts based on observed site geology or at depths below suspected impacts to evaluate potential residuals in the event the overlying impacted soils are excavated.

Between uses, the hand auger, drill rods and sampler were decontaminated using a trisodium phosphate (TSP) solution. The cleaning solution and rinse water were placed in a 55-gallon drum that is staged on the subject property and will be disposed of in the future.

Temporary groundwater monitoring wells were installed at two boring locations, GP-94 and GP-95. At each of these locations, the wells were installed at the depth where groundwater was first encountered. After remaining installed for at least 24 hours, the wells were sampled, then the temporary monitor wells were removed prior to backfilling. Boreholes were backfilled with a mixture of bentonite and natural cuttings after sampling. Soil boring logs from the boreholes are provided in Appendix B. Water from purging the wells prior to sample collection, as well as, decontamination water generated during investigation activities was placed within a 55-gallon waste drum staged onsite for future disposal.

Concrete, soil and groundwater samples obtained during the investigation were placed into laboratory-supplied containers and kept cool until delivery to the laboratory. Select samples were submitted under chain of custody to ALS Environmental, Inc, (ALS) for analysis of select parameters. Concrete and soil samples were submitted for laboratory analysis of VOCs via Method 8260, polynuclear aromatics (PNAs) via Method 8270, Michigan 10 Metals by Method 6010/ 6020, pH by Method 150.1, flash point via ASTM Method D93 and analysis by toxicity characteristic leaching procedure (TCLP).

In preparation for potential future soil and groundwater disposal, select samples were also obtained to characterize soil for landfill disposal and groundwater for potential disposal at the City of Traverse City Wastewater Treatment Plant (WWTP). Select soil samples were submitted for laboratory analysis of VOCs, semi-VOCs, and RCRA 8 Metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver) by TCLP, pH and flashpoint. The groundwater samples were submitted for laboratory analysis of VOCs, pH, phenols by Method 420.4, metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, molybdenum, nickel, selenium, thallium, zinc), Biological Oxygen Demand (BOD (by Method 5210)), chloride ((Method 325.2), fats and greases (Method 1664A), total phosphorus (Method 365.1), total kjeidahl nitrogen (TKN (Method 351.1)) and total suspended solids (Method 2540), which are typical WWTP requirements.

During the investigation, a soil gas sample was collected during two monitoring events (November 2023 and February 2024) from a VaporPin®, identified as SG-11S/ VP-1 that is located within the concrete floor slab of the easternmost building (120 West State Street). The pin was installed following methodologies outlined in Appendix F.1 of the May 2013 EGLE VI Guidance Document. To install the pin, a boring was advanced using a rotary hammer drill to penetrate the concrete floor slab. A 1.5" hole was advanced into the concrete slab to a depth of approximately 1.75" below the top of the floor slab, followed by which a 5/8" "inner" diameter hole was advanced through the slab and approximately six inches into the underlying substrate (soil). Once the hole was advanced, created debris was removed and a vapor pin assembly (pin with an attached silicon sleeve) was installed within the borehole. The silicon sleeve was used to create a tight fitting within the 5/8" "inner" diameter hole. A flush mounted cap was also installed to prevent access and/ or damage to the vapor pin.

In six locations, borings were advanced using a Geoprobe drill rig to install clustered soil gas wells at depths of five and 10 feet below ground level (bgl). Installation of the soil gas wells was completed following methodologies outlined in Appendix F.3 of the Michigan Department of EGLE May 2013 Guidance Document for the Vapor Intrusion Pathway (VI Guidance Document). The wells were identified as SG-5S/D (shallow/ deep (5' and 10')) through SG-10D. A well was intended to be installed at the SG-11D location but due to dry/ loose soils encountered at other interior boring locations, the boring was not advanced but is planned to be in the future once the overlying structure is demolished. Within each of the borings, approximately four to six inches of well sand was placed at the bottom of the borings prior to inserting a one inch polyethylene soil vapor implant at a depth of 5 and 10 feet bgl. Each of the implants was connected to ¼-inch laboratory grade Tygon tubing that was extended to the surface. The implants were surrounded with well sand that extended upward approximately six inches. The implants were separated with a layer of hydrated bentonite that was installed within each borehole. Above the shallow soil gas implants, the remaining boring annulus was filled with bentonite chips to a depth of approximately one-foot bgl and hydrated. Flush mount access covers were installed at each location to allow for future sampling. The flush mounts were surrounded with sand fill and concreted at the surface.

At each of the VaporPin®/ soil gas well locations, samples were collected for VOC and mercury analysis. The soil gas samples were submitted under chain of custody to Fibertec Environmental Services (Fibertec) for analysis. The VOCs analysis was completed by EPA Air Method, Toxic Organics - 15 (TO-15): Determination of VOCs in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry. The TO-15 analysis is the standard method to identify VOCs associated with hydrocarbons (i.e., petroleum constituents) and chlorinated solvents. The mercury analysis was completed using the National Institute for Occupational Safety and Health (NIOSH) Method 6009 Modified M, which is the EGLE approved sampling methodology for mercury. The purpose of the sampling was to evaluate potential soil gas concentrations within areas of planned future ground level commercial spaces associated with the planned structure.

The following sections (Sections 3.1.1, 3.1.2 and 3.1.3) summarize the soil, groundwater and soil gas sampling activities completed as part of the Remedial Investigation. Laboratory analytical results for the soil, groundwater and soil gas samples are discussed in Section 4.0 of this report.

3.1.1 Soil Sampling Activities

During the subsurface investigation, continuous soil sampling was completed to allow for an evaluation of geologic conditions at each boring location. The soil borings are shown on the attached Figure 4, and a summary of the subsurface conditions encountered at each boring location are summarized in the following table. Refer to Appendix B for logs that depict the conditions encountered at each boring location.

Boring ID	Date of Boring Advancement	Parcel Address	Boring Purpose	Depth of Boring (fbgl)	Sample Depth (fbgl)	Laboratory Analysis Performed	Field Notes
GP-69	11/2/21	120 W. State St.	Evaluate Potential Soil Impacts	5.0’	2.0’ 5.0’	1,2,3 1,2,3	Fill @ ~1.5-3.5 fbgl. No PID or olfactory field evidence of impact.
HA-5	12/7/23	120 W. State St.	Evaluate Potential Soil Impacts	1.0’ 6.5’	1.0’ 6.5’	1,2,3 1,2,3	Fill @ ~0.8-1.5 fbgl. No PID or olfactory field evidence of impact.
HA-6	10/12/23 12/7/23	120 W. State St.	Evaluate Potential Soil Impacts/ Stormwater	2.0’ (10/12/23) 12.0’ (12/7/23)	9.0’ 11.0’	1,2,3 1,2,3	Borehole collapsed @ 2 fbgl on 10/12/23. Attempted to hydrate the soil but unable to advance the boring. Redrilled on 12/7/23. Hydrated Boring from 5 fbgl to Termination Depth. No PID, Visual or Olfactory Field Evidence of Impact.
HA-7	12/7/23	120 W. State St.	Evaluate Potential Soil Impacts	9.0’	6.0’ 8.5’	1,2,3 1,2,3	Fill @ ~0.5-4.0 fbgl. Boring advancement refusal @ 9.0 fbgl. No PID or olfactory field evidence of impact.
GP-70	10/31/23	122 W. State St.	Evaluate Potential Soil Impacts	10.0’	3.0’ 5.5’	1,2,3 1,2,3	~4” Black sand lens @ 3 fbgl. No PID or Olfactory Field Evidence of Impact.

fbgl – Feet Below Ground Level (1) VOCs – Volatile Organic Compounds (2) PNAs – Polynuclear Aromatics
(3) Michigan 10 Metals * – Soil Sample Collected Below the Groundwater Table (i.e., Saturated)

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Boring ID	Date of Boring Advancement	Parcel Address	Boring Purpose	Depth of Boring (fbgl)	Sample Depth (fbgl)	Laboratory Analysis Performed	Field Notes
GP-71	10/31/23	122 W. State St.	Evaluate Potential Soil Impacts/ Stormwater	10.0’	5.0’ 7.0’	1,2,3 1,2,3	~2” Black sand lens @ 5.5 fbgl. No PID or Olfactory Field Evidence of Impact.
GP-72	10/31/23	122 W. State St.	Evaluate Potential Soil Impacts/ Stormwater	15.0’	9.0’ 11.0’	1,2,3 1,2,3	Black silty sand with brick fragments @ 8-9.5 fbgl. No PID or Olfactory Field Evidence of Impact.
GP-73	10/31/23	122 W. State St.	Evaluate Potential Soil Impacts	10.0’	3.5’ 6.5’	1,2,3 1,2,3	Black/ brown silty sand @ 3-3.8 fbgl. 1” wood fiber lens @ 6.8 fbgl. No PID or Olfactory Field Evidence of Impact.
GP-75	11/1/23	130 W. State St.	Evaluate Potential Soil Impacts/ Stormwater	10.0’	3.0’ 5.0’	1,2,3 1,2,3	Brown/ tan mottled sand @ 2.8-3.5 fbgl. No PID or Olfactory Field Evidence of Impact.
GP-76	11/1/23	126 W. State St.	Evaluate Potential Soil Impacts/ Stormwater	10.0’	4.0’ 6.0’	1,2,3 1,2,3	Black silty sand @ 3.5-4.2 fbgl. No PID or Olfactory Field Evidence of Impact.
GP-77	11/1/23	120 W. State St.	Evaluate Potential Soil Impacts/ Stormwater	10.0’	3.0’ 5.0’	1,2,3 1,2,3	Black silty sand @ 2.5-3.2 fbgl. No PID or Olfactory Field Evidence of Impact.
GP-78	11/1/23	130 W. State St.	Evaluate Potential Soil Impacts	10.0’	2.5’ 4.0’	1,2,3 1,2,3	Brown/ black mottled silty sand @ 1.5-3.0 fbgl. No PID or Olfactory Field Evidence of Impact.
GP-79	11/2/23	130 W. State St.	Evaluate Potential Soil Impacts	5.0’	2.0’ 4.0’	1,2,3 1,2,3	No PID, Visual or Olfactory Field Evidence of Impact.
GP-80	11/2/23	130 W. State St.	Evaluate Potential Soil Impacts	10.0’	3.0’ 6.0’	1,2,3 1,2,3	Black/ brown mottled sand with building debris @ 1.5-3.5 fbgl. No PID or Olfactory Field Evidence of Impact.
GP-81	11/2/23	130 W. State St.	Evaluate Potential Soil Impacts	5.0’	1.5’ 4.0’	1,2,3 1,2,3	Black sand with building debris @ 0.5-2.0 fbgl. No PID or Olfactory Field Evidence of Impact.

fbgl – Feet Below Ground Level (1) VOCs – Volatile Organic Compounds (2) PNAs – Polynuclear Aromatics
(3) Michigan 10 Metals * – Soil Sample Collected Below the Groundwater Table (i.e., Saturated)

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Boring ID	Date of Boring Advancement	Parcel Address	Boring Purpose	Depth of Boring (fbgl)	Sample Depth (fbgl)	Laboratory Analysis Performed	Field Notes
GP-82	11/2/23	130 W. State St.	Evaluate Potential Soil Impacts	5.0’	1.5’ 4.0’	1,2,3 1,2,3	Black/ tan mottled sand @ 1.5-2.5 fbgl. No PID or Olfactory Field Evidence of Impact.
GP-83	11/2/23	130 W. State St.	Evaluate Potential Soil Impacts/ Stormwater	5.0’	2.0’ 5.0’	1,2,3 1,2,3	Black/ gray mottled sand @ 1.5-3.0 fbgl. No PID or Olfactory Field Evidence of Impact.
GP-84	11/2/23	130 W. State St.	Evaluate Potential Soil Impacts/ Stormwater	5.0’	1.5’ 4.0’	1,2,3 1,2,3	Black silty sand @ 1.2-2.8 fbgl. No PID or Olfactory Field Evidence of Impact.
GP-85	11/2/23	130 W. State St.	Evaluate Potential Soil Impacts	5.0’	1.0’ 3.0’	1,2,3 1,2,3	Brown silty sand @ 1.0-2.2 fbgl. No PID or Olfactory Field Evidence of Impact.
GP-86	11/2/23	130 W. State St.	Evaluate Potential Soil Impacts	5.0’	2.0’ 3.0’	1,2,3 1,2,3	Brown silty sand @ 1.5-2.2 fbgl. No PID or Olfactory Field Evidence of Impact.
GP-87	11/2/23	130 W. State St.	Evaluate Potential Soil Impacts	10.0’	2.0’ 5.0’	1,2,3 1,2,3	Brown/ black mottled silty sand @ 0.2-4.0 fbgl. No PID or Olfactory Field Evidence of Impact.
GP-88	11/2/23	130 W. State St.	Evaluate Potential Soil Impacts	1.0’	2.0’ 4.0’	1,2,3 1,2,3	No PID, Visual or Olfactory Field Evidence of Impact.
GP-89	10/31/23	136 W. State St.	Evaluate Potential Soil Impacts	20.0’	2.0’, 4.0’, 7.0’, 9.0’, 12.0’, 14.0’, 16.0’, 18.0’*	1 (Eight Samples)	Wet @ ~16.5 fbgl. No PID, Visual or Olfactory Field Evidence of Impact.
GP-90	10/31/23	136 W. State St.	Evaluate Potential Soil Impacts	20.0’	2.0’, 4.0’, 6.0’, 8.0’, 10.0’, 12.0’, 14.0’, 16.0’*	1 (Eight Samples)	Wet @ ~15.0 fbgl. No PID, Visual or Olfactory Field Evidence of Impact.

fbgl – Feet Below Ground Level (1) VOCs – Volatile Organic Compounds (2) PNAs – Polynuclear Aromatics
(3) Michigan 10 Metals * – Soil Sample Collected Below the Groundwater Table (i.e., Saturated)

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Boring ID	Date of Boring Advancement	Parcel Address	Boring Purpose	Depth of Boring (fbgl)	Sample Depth (fbgl)	Laboratory Analysis Performed	Field Notes
GP-91	10/31/23	136 W. State St.	Evaluate Potential Soil Impacts	20.0’	1.0’, 3.0’, 5.0’, 7.0’, 9.0’, 11.0’, 14.0’, 17.0’*	1 (Eight Samples)	Wet @ ~15.0 fbgl. No PID, Visual or Olfactory Field Evidence of Impact.
GP-92	10/31/23	136 W. State St.	Evaluate Potential Soil Impacts	20.0’	3.0’, 5.0’, 7.0’, 9.0’, 11.0’, 13.0’, 15.0’, 17.0’*	1 (Eight Samples)	Wet @ ~16.0 fbgl. Gray smear zone @ ~17.0-20.0 fbgl. Strong gasoline odor in saturated soil. PID impact @ ~16.0-20.0 fbgl.
GP-93	10/31/23	136 W. State St.	Evaluate Potential Soil Impacts	20.0’	2.0’, 4.0’, 6.0’, 8.0’, 10.0’, 12.0’, 14.0’, 16.0’*	1 (Eight Samples)	Wet @ ~15.0 fbgl. No PID, Visual or Olfactory Field Evidence of Impact.
GP-94	10/31/23	136 W. State St.	Evaluate Potential Soil/ Groundwater Impacts	20.0’	3.0’, 5.0’, 7.0’, 9.0’, 11.0’, 13.0’, 15.0’, 17.0’*	1 (Eight Samples)	Wet @ ~16.0 fbgl. No PID, Visual or Olfactory Field Evidence of Impact.
GP-95	11/1/23	115 Pine St.	Evaluate Potential Soil/ Groundwater Impacts	20.0’	2.0’, 4.0’, 6.0’, 8.0’, 10.0’, 12.0’, 14.0’, 18.0’*	1 (Eight Samples)	Wet @ ~16.5 fbgl. Gray smear zone @ ~17.0-20.0 fbgl. Strong gasoline odor in saturated soil. PID impact @ ~16.0-20.0 fbgl.
GP-96	10/31/23	115 Pine St.	Evaluate Potential Soil Impacts	20.0’	3.0’, 5.0’, 7.0’, 9.0’, 11.0’, 13.0’, 16.0’, 18.0’*	1 (Eight Samples)	Wet @ ~16.5 fbgl. Dark smear zone @ ~17.0-20.0 fbgl. Strong gasoline odor in saturated soil. PID impact @ ~16.0-20.0 fbgl.

fbgl – Feet Below Ground Level (1) VOCs – Volatile Organic Compounds (2) PNAs – Polynuclear Aromatics
(3) Michigan 10 Metals * – Soil Sample Collected Below the Groundwater Table (i.e., Saturated)

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Boring ID	Date of Boring Advancement	Parcel Address	Boring Purpose	Depth of Boring (fbgl)	Sample Depth (fbgl)	Laboratory Analysis Performed	Field Notes
GP-97	10/31/23	115 Pine St.	Evaluate Potential Soil Impacts	20.0'	3.0', 5.0', 7.0', 9.0', 11.0', 13.0', 15.0', 18.0'*	1 (Eight Samples)	Wet @ ~16.0 fbgl. Dark smear zone @ ~17.0-20.0 fbgl. Strong gasoline odor in saturated soil. During boring advancement, the battery associated with the PID stopped working. This was the last boring of the day.
HA-10	10/11/23 11/27/23	115 Pine St.	Evaluate Potential Soil/ Groundwater Impacts	5.0'	Slab 3.0' 5.0'	1 1 1	4" of Concrete. No PID, Visual or Olfactory Field Evidence of Impact. Could not advance boring below 5 fbgl due to dry loose soils.
HA-11	10/11/23 11/27/23	115 Pine St.	Evaluate Potential Soil Impacts	9.0	Slab 2.0' 4.0' 6.0' 8.0'	1 1 1 1 1	4" of Concrete. No PID, Visual or Olfactory Field Evidence of Impact. Advancement Refusal @ 9 fbgl.
HA-12	10/11/23	115 Pine St.	Evaluate Potential Soil/ Groundwater Impacts	0.9'	Slab	1	4.75" of Concrete. No PID, Olfactory or Visual Field Evidence of Impact.
HA-13	10/11/23	115 Pine St.	Evaluate Potential Soil/ Groundwater Impacts	7.0'	Slab 0.5' 3.0' 5.0'	1 1 1 1	1" of Concrete. Boring advancement rejection @ 7 fbgl. Concrete fragments @ ~2"-2 fbgl. No PID, Visual or Olfactory Field Evidence of Impact.
HA-14	10/11/23	115 Pine St.	Evaluate Potential Soil/ Groundwater Impacts	2.0'	Slab 1.0'	1 1	4" of Concrete. Borehole collapsed @ 2 fbgl. No PID, Visual or Olfactory Field Evidence of Impact.
HA-15	10/11/23	115 Pine St.	Evaluate Potential Soil/ Groundwater Impacts	0.17'	Slab	1	2" of Concrete. No PID, Visual or Olfactory Field Evidence of Impact.

fbgl – Feet Below Ground Level (1) VOCs – Volatile Organic Compounds (2) PNAs – Polynuclear Aromatics
(3) Michigan 10 Metals * – Soil Sample Collected Below the Groundwater Table (i.e., Saturated)

The HA-10 through HA-15 borings were intended to be advanced to greater depths than occurred but due to dry loose soil conditions the borings were unable to be advanced using a hand auger or powered auger to deeper depths. Borings were also intended to be advanced at the HA-8, HA-9,

and GP-74 locations. Due to subsurface conditions encountered at other interior boring locations the HA-8 and HA-9 borings were not advanced. The GP-74 boring was not accessible during the investigation and was not advanced. It is intended that the borings will be advanced using a drill rig once the structures are removed.

To characterize the soils for potential future landfill disposal, composite soil samples were generated from soils encountered with the borings advanced at the GP-94 and GP-95 locations. Each composite sample was generated by mixing approximately equal volumes of soil from the boring. Each of the composite soil samples were submitted for laboratory analysis of VOCs, SVOCs, and RCRA 8 Metals by TCLP, pH and flashpoint.

Laboratory analytical results of the soil samples are discussed in Section 4.0 of this Report.

3.1.2 Groundwater Sampling Activities

On November 2, 2023, groundwater samples were collected from installed temporary monitor wells by purging water with a peristaltic pump. The temporary monitor wells were constructed of five foot long, one inch diameter, 0.010 slot PVC screens with attached PVC risers and slip cap covers. Each of the monitoring well screens were set at depths to straddle the water table. During purging, groundwater was monitored until visually clear prior to obtaining a sample, which collected into laboratory supplied containers. A summary of the groundwater sampling activities is provided in the following table.

Boring ID	Parcel Address	Date of Installation	Monitor Well Type	Screened Depth (fbgl)	Sample Collection Date	Field Notes	Laboratory Analysis Performed
GP-94	115 Pine St.	10/31/23	Temporary	14.0-19.0’	11/2/23	Wet @ ~16.0 fbgl. No PID, Visual or Olfactory Field Evidence of Impact.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10

fbgl – Feet Below Ground Level (1) VOCs – Volatile Organic Compounds (2) pH (3) Total Phenols
(4) 12 Metals – Arsenic, Barium, Cadmium, Chromium, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Thallium, and Zinc
(5) BOD – Biological Oxygen Demand (6) – Chloride (7) Oil and Grease (8) Total Phosphorus
(9) Total Kjeldahl Nitrogen (10) TSS – Total Suspended Solids

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Boring ID	Parcel Address	Date of Installation	Monitor Well Type	Screened Depth (fbgl)	Sample Collection Date	Field Notes	Laboratory Analysis Performed
GP-95	115 Pine St.	11/1/23	Temporary	15.0-20.0'	11/2/23	Wet @ ~16.5 fbgl. Gray smear zone @ ~17.0-20.0 fbgl. Strong gasoline odor in saturated soil. PID impact @ ~16.0-20.0 fbgl.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10

fbgl – Feet Below Ground Level (1) VOCs – Volatile Organic Compounds (2) pH (3) Total Phenols
(4) 12 Metals – Arsenic, Barium, Cadmium, Chromium, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Thallium, and Zinc
(5) BOD – Biological Oxygen Demand (6) – Chloride (7) Oil and Grease (8) Total Phosphorus
(9) Total Kjeldahl Nitrogen (10) TSS – Total Suspended Solids

Laboratory analytical results of the groundwater samples are discussed in Section 4.0 of this Report.

3.1.3 Soil Gas Sampling Activities

On November 7, 2023, and February 19, 2024, soil gas (vapor) samples were obtained from the installed VaporPin® and soil gas wells. Details of the wells are summarized in the following table.

Soil Gas Boring Identification Number	Boring Depth	Location Boring Purpose	Sample Point Type	Laboratory Analysis Performed
SG-5S	5.5'	Evaluate Potential Soil Gas for Future Occupied Space	Soil Gas Well	VOCs, Mercury
SG-5D	10.5'	Evaluate Potential Soil Gas for Future Occupied Space	Soil Gas Well	VOCs, Mercury
SG-6S	5.5'	Evaluate Potential Soil Gas for Future Occupied Space	Soil Gas Well	VOCs, Mercury
SG-6D	10.5'	Evaluate Potential Soil Gas for Future Occupied Space	Soil Gas Well	VOCs, Mercury
SG-7S	5.5'	Evaluate Potential Soil Gas for Future Occupied Space	Soil Gas Well	VOCs, Mercury

fbgl – Feet Below Ground Level VOCs – Volatile Organic Compounds

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Soil Gas Boring Identification Number	Boring Depth	Location Boring Purpose	Sample Point Type	Laboratory Analysis Performed
SG-7D	10.5’	Evaluate Potential Soil Gas for Future Occupied Space	Soil Gas Well	VOCs, Mercury
SG-8S	5.5’	Evaluate Potential Soil Gas for Future Occupied Space	Soil Gas Well	VOCs, Mercury
SG-8D	10.5’	Evaluate Potential Soil Gas for Future Occupied Space	Soil Gas Well	VOCs, Mercury
SG-9S	5.5’	Evaluate Potential Soil Gas for Future Occupied Space	Soil Gas Well	VOCs, Mercury
SG-9D	10.5’	Evaluate Potential Soil Gas for Future Occupied Space	Soil Gas Well	VOCs, Mercury
SG-10S	5.5’	Evaluate Potential Soil Gas for Future Occupied Space	Soil Gas Well	VOCs, Mercury
SG-10D	10.5’	Evaluate Potential Soil Gas for Future Occupied Space	Soil Gas Well	VOCs, Mercury
SG-11S/ VP-1	Sub-Slab	Evaluate Potential Soil Gas for Future Occupied Space	Soil Gas Vapor Pin	VOCs, Mercury

fbgl – Feet Below Ground Level VOCs – Volatile Organic Compounds

The VaporPin®/ soil gas well locations are depicted on the attached Figure 3. During each monitoring event samples were intended to be obtained from the SG-11D location but due to dry and loose subsurface soil conditions encountered at other locations located below structures the boring was not advanced and the well was not installed. It is intended to advance the boring with a drill rig following demolition of the overlying structure but to date the demolition has not been completed.

To obtain soil gas (vapor) samples from the installed VaporPin®/ vapor wells, the flush mount access covers were removed and a section of ¼-inch diameter laboratory grade Tygon tubing was connected to the top of each VaporPin®/ well. To complete the sampling, two methodologies were employed, one for VOCs and one for mercury. Sampling for VOCs was completed following sampling procedures as generally set forth in Appendix F.3 of the EGLE Vapor Intrusion Guidance Document (May 2013) and the Fibertec Vapor Tube Sampling Procedures were used for the mercury sampling.

Prior to sampling during each event, each location was leak tested utilizing a shroud and ultra-high grade helium. To verify a leak did not occur in the sampling equipment train, helium was introduced into the shroud and a helium meter was used to verify a leak was not detected within the sampling equipment train. Following leak testing, at least three tubing volumes were purged from the sample train prior to initiation of the soil gas sample collections. The leak testing and sampling took place through a regulator to ensure that the flow rate of soil gas did not exceed 200 milliliters per minute (mL/min.), minimizing the potential for short circuiting effects with the environment. After successful leak testing and purging, samples were obtained using the supplied BottleVacs and regulators. The BottleVac pressure was monitored before, during, and after the sampling occurred. The soil gas samples for VOC analysis were collected over an approximate five-minute period.

The preparation of the BottleVacs, and the associated regulators, and subsequent analysis was performed by Fibertec. The samples were submitted under chain-of-custody for analysis of VOCs by EPA Air Method, Toxic Organics - 15 (TO-15): Determination of VOCs in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry. The TO-15 analysis is the standard method to identify VOCs associated with hydrocarbons (i.e., petroleum constituents) and chlorinated solvent impacts in air samples.

Mercury samples were collected at each location immediately following the VOC samples. The mercury samples were obtained following the Fibertec Vapor Tube Sampling Protocol (G-584.1) using sorbent vapor tubes. At each sample location during each event, the sorbent tubes were connected to low volume sampling pumps with regulated flow rates. The flow rates for each sample were set at 0.2 liters per minute (L/ min). Each of the sorbent tubes were connected to the vapor pins with the polyethylene tubing used for VOC sampling. Each of the samples were allowed to collect for approximately 15 minutes. As part of each monitoring event, each of the samples, including a Field Blank and a Field Spike were submitted under chain-of-custody to Fibertec for analysis of mercury by the NIOSH Method 6009 Modified.

Photographs within Appendix A detail the soil gas sampling activities. Copies of the field documentation related to collection of the soil gas samples is contained within Appendix C. Laboratory analytical results of the soil gas samples are discussed in Section 4.0 of this report.

4.0 FINDINGS AND ANALYTICAL RESULTS

The findings of the Remedial Investigation Status Report are presented below. The attached Figure 4, shows the soil boring locations. The attached Figures 5 through 7, summarize the laboratory analytical results. The attached Figures 8 through 12, depict geologic cross sections of the encountered geology. The soil boring logs are provided in Appendix B. The analytical laboratory reports for the soil, groundwater and soil gas samples are attached in Appendix C. The analytical results are summarized in Tables 1 through 3.

4.1 Soil, Groundwater and Soil Gas Investigation Findings

The following sections summarize the soil, groundwater and soil gas investigation.

4.1.1 Site Geology and Hydrogeology

The geology and hydrogeology encountered in each of the areas that comprise the subject property are discussed in the following paragraphs. Refer to the attached Figure 2 for a map that shows the locations of the parcels that comprises the subject property.

115 Pine Street: On the exterior portions of the parcel, five soil borings (GP-95 through GP-97 and SG-5 S/D) were advanced. Refer to Figures 4, 5A and 12, which depict the boring locations.

The GP-95 through GP-97 borings were advanced on the southern side of the parcel, south of the onsite building. Each of the borings were advanced to depths of 20 feet bgl. At each location approximately six inches of concrete or asphalt was observed at the surface, below which fine to medium grained tan sands were encountered that extend to at least the boring termination depths. No evidence of fill was observed within any of the borings. At a depth of approximately 17 feet bgl, within each of the borings, dark staining or a smear zone was encountered, which contained a petroleum odor. Groundwater was encountered within the borings at depths ranging between approximately 16 and 17 feet bgl. Some PID impact was also observed within these soils. At the GP-95 location a temporary groundwater well was installed to allow for collection of a groundwater sample for disposal characterization purposes. The borings are depicted on the

attached Figures 4, 5A, and 8.

The SG-5 S/D boring was advanced to a depth of 15 feet bgl. At the surface approximately 20 inches of topsoil was encountered, which was underlain by fine to medium grained tan sand that extend to at least the boring termination depth. No evidence of fill soils were observed within the boring. Groundwater was not encountered in the boring. Soil gas well points were installed vertically at depths of five and 10 feet bgl within the boring.

Within the interior of the building, six borings, identified as HA-10 through HA-15 were advanced through the concrete floor slab of the structure. The borings are depicted on the attached Figures 4, 5A, and 12. The building is comprised of two sections, eastern and western, that were constructed at different times. The floor slab of the building varied in thickness between one and 4.75 inches. Borings below the floor slab were advanced to depths ranging between approximately 0.5 inches (slab depth) to nine feet bgl. The borings were intended to be advanced to deeper depths but due to the dryness and loose nature of the encountered sands further advancement of the borings were not feasible. It is intended once the building is demolished a drill rig will be used to advance the borings to deeper depths to provide for further evaluation of the subsurface conditions below the structure.

136 West State Street: This parcel is located to the east of 115 Pine Street and is comprised of a vacant grassy area. Six borings (GP-89 through GP-94) were advanced on the parcel during the investigation. The borings were aligned in two rows that are orientated north to south. The borings were advanced to depths of 20 feet bgl. Approximately six inches of topsoil was encountered at each location, below which fine to medium grained tan sands were encountered that extend to at least the boring termination depths. No evidence of fill was observed within any of the borings. Groundwater was encountered within the borings at depths ranging between approximately 15 and 16.5 feet bgl. At the GP-94 location a temporary groundwater well was installed to allow for collection of a groundwater sample for disposal characterization purposes. The borings are depicted on the attached Figures 4, 5A, and 8.

126 and 130 West State Street: The majority of the parcels are developed as surficial parking lot spaces with some landscaped areas. Refer to the attached Figures 4, 5B and 8 through 11, which depict the boring locations. A vacant residence is also located in the southeastern portion of 130 West State Street.

On the 126 West State Street parcel, clusters of shallow and deep soil gas wells were installed at the SG-9S/D and SG-10S/D locations. Each of the borings were advanced to depths of 11 feet bgl. At the surface approximately three inches of asphalt (SG-9S/D) or topsoil (SG-10S/D) was encountered. Below the asphalt at the SG-9S/D location approximately one foot of gravel was encountered, below which a fine to medium grained tan sand was present that extended to the boring termination depth of 11 feet bgl. No evidence of fill was observed within this boring. Below the surficial topsoil at the SG-10S/D location, fill sands were encountered to a depth of approximately eight feet bgl, below which was a fine to medium grained sand that extended to at least the boring termination depth of 11 feet bgl. Groundwater was not encountered within either boring and no soil samples were collected. Soil gas well points were installed vertically at depths of five and 10 feet bgl within each of the borings.

During the mobilization for drilling, the GP-74 location was inaccessible, as a result, the boring was not advanced but it is planned to be at a future date once the onsite structures are removed and borings within the footprints are advanced. The remaining borings, GP-75 through GP-78 were advanced within areas of asphalt parking lot spaces. At each boring location, approximately three inches of asphalt was present at the surface, which was underlain by approximately one foot of gravel. At each of these locations evidence of fill soils were observed below the gravel. The fill appeared to extend to depths ranging between approximately 1.5 to 4.3 feet bgl. The fill was underlain by a fine to medium grained tan sand that extended to at least the maximum boring termination depths of 10 feet bgl. Groundwater was not encountered in any of these borings.

On the 130 West State Street parcel, three clusters of soil gas wells were installed at the SG-6S/D through SG-8S/D locations. Each of the borings were advanced to depths of 11 feet bgl. At the surface approximately three inches of asphalt (SG-6S/D) or three to seven inches of topsoil (SG-7S/D and SG-8S/D) was encountered. Below the asphalt at the SG-6S/D location approximately one foot of gravel was encountered, below which evidence of fill was observed that extended to an approximate depth of 4.5 feet bgl. Below the fill, a fine to medium grained tan sand was present that extended to the boring termination depth of 11 feet bgl. Below the surficial topsoil at the SG-7S/D and SG-8S/D locations, fine to medium grained tan sand was present that extended to the boring termination depths of 11 feet bgl. No evidence of fill was observed within these borings. Groundwater was not encountered within either boring and no soil samples were collected. Soil gas well points were installed vertically at depths of five and 10 feet bgl within each of the borings.

The remaining borings completed on the parcel included GP-79 through GP-88. These borings were advanced within areas of surficial asphalt or grassy/ landscaped areas. In areas of surficial asphalt (GP-79, GP-80, and GP-82 through GP-86), it was underlain by approximately one foot of gravel. The GP-81 boring had approximately six inches of topsoil at the surface, whereas, GP-87 and GP-88 had approximately six inches of landscaping aggregate at the surface. The surficial materials (including gravel, if present), were underlain by fill at each of the boring locations with the exception of GP-79 and GP-88, which extended to depths ranging between two and 4 feet bgl. The fill was underlain by a fine to medium grained tan sand that extended to at least the maximum boring termination depths of 10 feet bgl. No evidence of fill was observed at the GP-79 or GP-88 location. At these locations, below the surficial materials (asphalt (GP-79) or landscape stone (GP-88) a fine to medium grained tan sand was present that extended to at least the maximum boring termination depths of five (GP-79) ten (GP-88) feet bgl. Groundwater was not encountered in any of the borings advanced on this parcel.

120 and 122 West State Street: Each of these parcels are developed with vacant commercial buildings. Borings advanced on the parcels are depicted on the attached Figures 4, 5C and 8.

Within the footprint of the 120 West State Street parcel, four soil borings (HA-5 through HA-7) were advanced. A boring was also intended to be advanced at the SG-11D location but due to the presence of dry/ loose soils encountered at other interior locations, the boring was not advanced but is intended to be once the building is demolished and a drill rig can be utilized. The HA-5 through HA-7 borings were advanced to depths between seven and 12 feet bgl. Each of the borings were advanced through the floor slab of the building, which ranged in its thickness between five and eight inches. Below the slab fine to medium grained sands were encountered that extended to at least the boring termination depths. At the HA-5 and HA-7 locations evidence of fill was observed that extended to depths of approximately two (HA-5) and four (HA-7) feet bgl. Groundwater was not encountered within the borings.

One boring (GP-69) was also advanced on the exterior portions of the 120 West State Street parcel. The boring was advanced though an area of surficial concrete that was approximately four inches thick. The concrete was underlain by approximately one foot of gravel, below which approximately two feet of fill was encountered. The fill extended to a depth of approximately 4.5 feet bgl, below which a fine to medium grained tan sand was encountered that extended to at least the boring termination depth of five feet bgl.

On the western parcel, 122 West State Street, four borings (GP-70 through GP-73) were advanced within areas of surficial parking lot. Borings at the HA-8 and HA-9 locations were intended to be advanced through the floor slab of the structure but due to the presence of dry/ loose sand and the boring advancement complications encountered within other interior borings, discussion with EGLE staff resulted in a determination to advance the borings once the overlying structure was demolished. At the surface of the GP-70 through GP-73 locations, approximately three inches of asphalt or six inches of topsoil (GP-73) were encountered at the surface. Approximately one foot of gravel was encountered at the GP-70 through GP-72 locations below

the asphalt. Fill soils were encountered at each boring location that extended to depths between 5.5 and 10 feet bgl. At the GP-70 location, fill extended below the boring termination depth of 10 feet bgl. Fill was present to an approximate depth of 5.5 feet bgl at GP-71, 9.5 feet bgl at GP-72 and potentially beyond 10 feet bgl at the GP-74 location. Groundwater was not encountered at any of the boring locations.

4.1.2 Soil Analytical Results

In 64 of the 132 analyzed soil samples and four of six concrete samples, constituents were identified at concentrations in excess of their respective laboratory detection limits, GCC and/ or the EGLE VIAP Screening Levels, dated September 4, 2020 (Revised February 2022). While some of the analyzed soil samples were saturated (collected below the groundwater table), values established in GCC and VIAP Screening Levels are for comparison to unsaturated soils, however, for the purposes of this investigation the values established in the GCC and VIAP Screening Levels are being compared for contaminant qualification purposes. Soil/ concrete floor slab samples that contain contaminant concentrations in excess of GCC and/ or VIAP Screening Levels are summarized in the following table. Refer to the attached Table 1, which provides a complete summary of the soil/ concrete floor slab laboratory analytical results.

Boring ID	Sample Date	Sample Depth (fbgl)	Material Sampled	Constituent Identified Above GCC/ VIAP	Constituent Concentration (ug/Kg)	GCC Exceeded	Residential VIAP Exceeded
HA-5	12/7/23	1.0’	Soil	Arsenic	11,00	DWP, GSIP, DC	None
				Mercury	120	GSIP	RVIAPSL
				Naphthalene	2,400	GSIP	None
				Phenanthrene	7,100	GSIP	RVIAPSL
				Tetrachloroethene (PCE)	150	DWP	RVIAPSL

fbgl – Feet Below Ground Level
ug/Kg – Micrograms per kilogram (i.e., parts per billion)
GCC – Generic Cleanup Criteria
DWP – Part 201 Drinking Water Protection Criteria
GSIP – Part 201 Groundwater Surface Water Interface Protection Criteria
RVIAP – Residential Volatilization to Indoor Air Pathway (VIAP) Screening Level, Dated September 4, 2020 (Rev. Feb. 2024), Assumes a Basement with a Poured Slab and Poured or Concrete Block Walls.
NRVIAP – Residential Volatilization to Indoor Air Pathway (VIAP) Screening Level, Dated September 4, 2020 (Rev. Feb. 2024), Assumes a Slab-on-Grade Foundation and Contains Portions of the Structure that are <50,000-ft² of continuous open space.
* Saturated Soil Sample (Collected Below the Groundwater Table)

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Boring ID	Sample Date	Sample Depth (fbgl)	Material Sampled	Constituent Identified Above GCC/ VIAP	Constituent Concentration (ug/Kg)	GCC Exceeded	Residential VIAP Exceeded
HA-7	12/7/23	6.0’	Soil	Chromium Mercury Zinc Phenanthrene	3,800 140 130,000 2,900	GSIP GSIP GSIP GSIP	None RVIAPSL None None
HA-10	10/11/23	0-~0.33’	Concrete Floor Slab	Tetrachloroethene (PCE)	680	DWP	R/NRVIAPSL
HA-10	11/27/23	3.0’	Soil	Tetrachloroethene (PCE)	680	DWP	R/NRVIAPSL
HA-11	10/11/23	0-~0.33’	Concrete Floor Slab	Tetrachloroethene (PCE)	300	DWP	R/NRVIAPSL
HA-11	10/11/23	2.0’	Soil	Tetrachloroethene (PCE)	170	DWP	R/NRVIAPSL
HA-11	10/11/23	8.0’	Soil	Tetrachloroethene (PCE)	200	DWP	R/NRVIAPSL
HA-12	10/11/23	0-~0.38’	Concrete Floor Slab	Tetrachloroethene (PCE)	120	DWP	RVIAPSL
HA-13	10/11/23	0.5’	Soil	Tetrachloroethene (PCE)	1,600	DWP, GSIP	R/NRVIAPSL
HA-13	10/11/23	3.0’	Soil	Tetrachloroethene (PCE)	290	DWP	R/NRVIAPSL
HA-13	10/11/23	5.0’	Soil	Tetrachloroethene (PCE)	240	DWP	R/NRVIAPSL
HA-15	10/11/23	0-~0.17’	Concrete Floor Slab	Tetrachloroethene (PCE)	200	DWP	R/NRVIAPSL
GP-69	11/2/23	2.0’	Soil	Mercury Tetrachloroethene (PCE)	57 130	GSIP DWP	RVIAPSL RVIAPSL
GP-70	10/31/23	3.0’	Soil	Tetrachloroethene (PCE)	110	DWP	RVIAPSL
GP-71	10/31/23	5.0’	Soil	Mercury Fluoranthene Naphthalene Phenanthrene Tetrachloroethene (PCE) Naphthalene	250 7,000 570 7,900 220 420	GSIP GSIP None GSIP DWP None	RVIAPSL None RVIAPSL RVIAPSL R/NRVIAPSL RVIAPSL

fbgl – Feet Below Ground Level
ug/Kg – Micrograms per kilogram (i.e., parts per billion)
GSIP – Part 201 Groundwater Surface Water Interface Protection Criteria
GCC – Generic Cleanup Criteria
DWP – Part 201 Drinking Water Protection Criteria
RVIAP – Residential Volatilization to Indoor Air Pathway (VIAP) Screening Level, Dated September 4, 2020 (Rev. Feb. 2024), Assumes a Basement with a Poured Slab and Poured or Concrete Block Walls.
NRVIAP – Residential Volatilization to Indoor Air Pathway (VIAP) Screening Level, Dated September 4, 2020 (Rev. Feb. 2024), Assumes a Slab-on-Grade Foundation and Contains Portions of the Structure that are <50,000-ft² of continuous open space.
* Saturated Soil Sample (Collected Below the Groundwater Table)

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Boring ID	Sample Date	Sample Depth (fbgl)	Material Sampled	Constituent Identified Above GCC/ VIAP	Constituent Concentration (ug/Kg)	GCC Exceeded	Residential VIAP Exceeded
GP-72	10/31/23	9.0’	Soil	Arsenic Chromium Copper Lead Mercury Zinc	7,300 28,000 110,000 420,000 570 400,000	DWP, GSIP GSIP GSIP DC GSIP GSIP	None None None None RVIAPSL None
GP-73	10/31/23	3.5’	Soil	Zinc Benzo(a)pyrene Fluoranthene Phenanthrene	240,000 3,200 11,000 4,800	GSIP DC GSIP GSIP	None None None RVIAPSL
GP-78	11/1/23	2.5’	Soil	Selenium Zinc	690 320,000	GSIP GSIP	None None
GP-81	11/2/23	1.5’	Soil	Mercury	84	GSIP	RVIAPSL
GP-84	11/2/23	1.5’	Soil	Tetrachloroethene (PCE)	100	None	RVIAPSL
GP-85	11/2/23	1.0’	Soil	Tetrachloroethene (PCE) m,p-Xylenes o-Xylenes Xylenes (Total)	53 180 140 320	None None None None	RVIAPSL RVIAPSL RVIAPSL RVIAPSL
GP-87	11/2/23	2.0’	Soil	Tetrachloroethene (PCE)	89	None	RVIAPSL
HA-92	10/31/23	17.0’*	Soil	1,2,3-Trimethylbenzene 1,2,4-Trimethylbenzene	520 460	None None	RVIAPSL RVIAPSL
GP-93	10/31/23	12.0’	Soil	Tetrachloroethene (PCE)	150	DWP	RVIAPSL
GP-94	10/31/23	7.0’	Soil	Tetrachloroethene (PCE)	51	None	RVIAPSL
GP-96	10/31/23	3.0’	Soil	Tetrachloroethene (PCE)	700	DWP	R/NRVIAPSL
GP-96	10/31/23	7.0’	Soil	Chloroethane	2,500	None	RVIAPSL
GP-96	10/31/23	11.0’	Soil	Chloroethane	1,300	None	RVIAPSL
GP-96	10/31/23	13.0’	Soil	Chloroethane	1,500	None	RVIAPSL
GP-96	10/31/23	16.0’	Soil	Chloroethane	1,100	None	RVIAPSL

fbgl – Feet Below Ground Level
ug/Kg – Micrograms per kilogram (i.e., parts per billion)
GSIP – Part 201 Groundwater Surface Water Interface Protection Criteria
GCC – Generic Cleanup Criteria
DWP – Part 201 Drinking Water Protection Criteria
DC –Part 201 Direct Contact Criteria
RVIAP – Residential Volatilization to Indoor Air Pathway (VIAP) Screening Level, Dated September 4, 2020 (Rev. Feb. 2024), Assumes a Basement with a Poured Slab and Poured or Concrete Block Walls.
NRVIAP – Residential Volatilization to Indoor Air Pathway (VIAP) Screening Level, Dated September 4, 2020 (Rev. Feb. 2024), Assumes a Slab-on-Grade Foundation and Contains Portions of the Structure that are <50,000-ft² of continuous open space.
* Saturated Soil Sample (Collected Below the Groundwater Table)

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Boring ID	Sample Date	Sample Depth (fbgl)	Material Sampled	Constituent Identified Above GCC/ VIAP	Constituent Concentration (ug/Kg)	GCC Exceeded	Residential VIAP Exceeded
GP-96	10/31/23	18.0'*	Soil	1,1,2,2-Tetrachloroethane Chloroethane Naphthalene	56 2,600 400	None None None	RVIAPSL RVIAPSL RVIAPSL
GP-97	10/31/23	18.0'*	Soil	1,2,3-Trimethylbenzene	1,300	None	RVIAPSL

fbgl – Feet Below Ground Level
ug/Kg – Micrograms per kilogram (i.e., parts per billion)
GSIP – Part 201 Groundwater Surface Water Interface Protection Criteria
GCC – Generic Cleanup Criteria
DWP – Part 201 Drinking Water Protection Criteria
DC –Part 201 Direct Contact Criteria
RVIAP – Residential Volatilization to Indoor Air Pathway (VIAP) Screening Level, Dated September 4, 2020 (Rev. Feb. 2024), Assumes a Basement with a Poured Slab and Poured or Concrete Block Walls.
NRVIAP – Residential Volatilization to Indoor Air Pathway (VIAP) Screening Level, Dated September 4, 2020 (Rev. Feb. 2024), Assumes a Slab-on-Grade Foundation and Contains Portions of the Structure that are <50,000-ft² of continuous open space.
* Saturated Soil Sample (Collected Below the Groundwater Table)

None of the other soil samples contained any constituents at concentrations in excess of their respective laboratory detection limits, GCC or the VIAP Screening Levels. The attached Table 1 provides a complete summary of the laboratory analytical results. The results are also summarized on the attached Figures 5A through 5C. Refer to Appendix C for copies of the laboratory analytical reports.

Review of the results from the concrete obtained from within the interior of the building indicate that concrete is impacted above GCC and/ or the VIAP Screening Levels with total concentrations of PCE at four of the six sampled locations. The exceedances were observed at the HA-10, HA-11, HA-12, and HA-15 locations. These areas encompass both sections of the historical dry cleaning building. No other VOCs were identified in the six concrete samples at concentrations in excess of laboratory detection limits, indicating each were also below GCC/ VIAP Screening Levels. As PCE, a halogenated solvent used in dry cleaning was identified within the concrete, the material is likely classified as a hazardous waste, specifically, an "F" (Waste Code: F002) listed waste for disposal purposes.

Soil samples obtained below the concrete slab were obtained at varying intervals, however, the borings depths varied due to loose dry sand conditions encountered, which prevented extraction of soils and advancement of borings beyond the termination depths. The following table provides a summary of the sub-slab conditions encountered at the six boring locations advanced below the slab associated with the 115 Pine Street building.

Sample Identification	Boring Depth (fbgl)	Boring Advancement Details	Below Slab Analytical Findings Summary
HA-10	5.0’	Boring advancement ceased due to encountered fine grained dry sand. Attempts were made to hydrate soil.	PCE @ 3.0’, Non-Detect @ 5.0’
HA-11	9.0	Boring advancement ceased due to encountered fine grained dry sand. Attempts were made to hydrate soil.	PCE @ 2.0’, Non-Detect @ 4.0’ and 6.0’, PCE @ 8.0’
HA-12	0.9’	Boring advancement ceased due to encountered fine grained dry sand. Attempts were made to hydrate soil.	No sub-slab sampling completed
HA-13	7.0’	Boring advancement ceased due to encountered fine grained dry sand. Attempts were made to hydrate soil.	PCE @ 0.5’, 3.0’ and 5.0’
HA-14	2.0’	Boring advancement ceased due to encountered fine grained dry sand. Attempts were made to hydrate soil.	Non-Detect @ 1.0’
HA-15	0-~0.17’ (Slab Depth)	Boring below slab not advanced due to subsurface conditions encountered at other interior boring locations	No sub-slab sampling completed
fbgl – Feet Below Ground Level			

Soil sample results from the six borings advanced to the east of the former dry cleaner on the 136 West State Street parcel show PCE impacts in excess of GCC and/ or VIAP Screening Levels present in each of the western borings (GP-92 through GP-94) at varying depths of up 17 feet bgl. None of the eastern borings (GP-89 through GP-91) contained any detectable concentrations of VOCs, including PCE, to depths of up to 17 feet bgl at concentrations in excess of the laboratory detection limits (i.e., each was non-detect), indicating each was also below GCC/ VIAP Screening Levels. These borings likely delineate the boundary of PCE impact associated with the former drycleaning operation. Details of the analytical results are shown on the attached Figure 5A.

The results of the soil sampling completed on the central parcels that comprise the subject property (126 and 130 West State Street) indicate that GCC and/ or VIAP Screening Level exceedances, where present, are limited to the upper fill soils, which extends to depths of up to approximately three to five feet bgl. Underlying soils did not contain any GCC and/ or VIAP Screening Level exceedances. Details of the analytical results are shown on the attached Figure 5B.

Soil sampling on the easternmost parcels (120 and 122 West State Street) generally indicates the upper surface soils (up to depths of 9 feet bgl) contain GCC and/ or VIAP Screening Level exceedances at the HA-5, HA-7, and GP-69 through GP-73 locations. Underlying soils at these locations did not contain analytes at concentrations that exceed GCC and/ or VIAP Screening Levels. No GCC or VIAP Screening Level exceedances were identified at the HA-6 location to a depth of 11 feet bgl. Details of the analytical results are shown on the attached Figure 5C.

Each of the composite soil samples contained analyte concentrations in excess of laboratory detection limits, as detailed in the following table.

Sample ID	Flashpoint/ Ignitability	pH	Metals Detected and the Identified Concentration by TCLP Analysis Above Laboratory Detection Limits	SVOCs Detected and the Identified Concentration by TCLP Analysis Above Laboratory Detection Limits	VOCs Detected and the Identified Concentration by TCLP Analysis Above Laboratory Detection Limits
GP-94 Waste Characterization	ND	9.15	Barium/ 0.089 mg/L	None	None
GP-95 Waste Characterization	ND	8.61	Barium/ 0.093 mg/L	None	None
ND – Not Detected Above the Laboratory Detection Limit mg/L – Milligrams per liter (i.e., parts per million)					

Based on the identified concentrations of barium, the soils would not be classified as hazardous waste as the hazardous waste regulatory limit for barium is 100 mg/ L, as established under the Code of Federal Regulations, Title 40, Section 261.24, Toxicity Characteristics. The pH levels indicate the soils are slightly basic, as the pH levels were greater than 7 in both waste

characterization samples.

The laboratory analytical reports are contained in Appendix C. The attached Figures 4, 5, and 8 through 12, depict the soil boring locations and summarize the soil analytical results.

4.1.3 Groundwater Analytical Results

During the investigation, groundwater samples were obtained at the GP-94, and GP-95 locations for characterization purposes in the event future redevelopment activities require disposal of groundwater. It was assumed for sampling purposes that groundwater would be disposed of at the City of Traverse City WWTP, if required. The following table provides a summary of the groundwater characterization laboratory analytical results.

Boring/ Sample ID	Metal/ Identified Concentration (mg/L)	Volatile Organic Compound (VOC) Identified Concentration (ug/L)	Biological Oxygen Demand (BOD) Identified Concentration (mg/L)	Chloride Identified Concentration (mg/L)	Oil & Grease Identified Concentration (mg/L)
GP-94	Barium/ 0.029 Molybdenum/0.0064 Zinc/ 0.014	Tetrachloroethene (PCE)/ 4.9	ND	49.9	ND
GP-95	Arsenic/ 0.0065 Barium/ 0.034 Chromium/ 0.0072	1,2,3-Trimethylbenzene/ 10 1,2,4-Trimethylbenzene/ 13 1,3,5-Trimethylbenzene/ 3.4 2-Methylnaphthalene/ 8.4 cis-1,2-Dichloroethene/ 2.6 Naphthalene/ 6.6	5.45	99.9	ND
Boring/ Sample ID	**Total Phosphorus Concentration Identified (mg/L)**	**pH**	**Total Phenolics Identified Concentration (mg/L)**	**Total Kjeldahl Nitrogen (TKN) Identified Concentration (mg/L)**	**Total Suspended Solids (TSS) Identified Concentration (mg/L)**
GP-94	ND	7.74	ND	ND	62.0
GP-95	0.084	6.76	ND	ND	49.0

ND – Not Detected Above the Laboratory Detection Limit
mg/L – Milligrams per liter (i.e., parts per million)
ug/L – Micrograms per liter (i.e., parts per billion)

In the event groundwater is encountered and is to be disposed of, the laboratory analytical results of the groundwater characterization samples should be forwarded to the WWTP to determine if

they will accept the water and determine what, if any, pretreatment would be required for their acceptance for disposal.

The laboratory analytical reports are contained in Appendix C. The attached Figures 4, 6 and 8 through 12, depict the boring locations and summarize the analytical results.

4.1.4 Soil Gas Analytical Results

The soil gas sample results were compared to the EGLE Residential VIAP Screening levels, Revised in February 2024. Residential criteria have been utilized for all analytical result comparisons as the proposed building is intended to be utilized for both commercial and residential purposes. The attached Table 3, summarizes the laboratory analytical results and provides a comparison of the results to the Residential and Nonresidential VIAP. The following table also provides a summary of the detected constituents identified within each of the soil gas samples with Residential VIAP comparisons.

Soil Gas Sample Identification	Sample Date	Constituent Identified Above Laboratory Detection Limits	Constituent Concentration Identified (ug/m³)	Residential/ Nonresidential VIAP Exceeded
SG-5S	11/17/23	Tetrachloroethene (PCE)	990	Not Exceeded
SG-5S	2/19/24	Tetrachloroethene (PCE)	260	Not Exceeded
Duplicate (SG-5S)	2/19/24	Tetrachloroethene (PCE)	830	Not Exceeded
Duplicate (SG-5S)	11/17/23	Tetrachloroethene (PCE)	280	Not Exceeded
SG-5D	11/17/23	Tetrachloroethene (PCE) Trichloroethylene (TCE)	1,800 1.8	R/ NR SL* Not Exceeded
SG-5D	2/19/24	2-Butanone (MEK) Tetrachloroethene (PCE)	59 740	Not Exceeded Not Exceeded
SG-6S	11/17/23	Tetrachloroethene (PCE) Toluene	170 38	Not Exceeded Not Exceeded
SG-6S	2/19/24	Tetrachloroethene (PCE)	74	Not Exceeded

µg/m³ – Part Per Million
R / NR SL – Residential / Nonresidential Screening Level, dated Feb. 2024 Rev.
* The Residential VIAP Screening Levels are calculated based on unrestricted residential use. The building construction input parameters include those associated with a residential structure that has a basement and contains less than six floors. The basement must have poured slab and poured or concrete block walls for these VIAP screening levels to be applicable. The Nonresidential VIAP Screening Levels are calculated based on restricted nonresidential use. The building construction input parameters includes those associated with a nonresidential structure that has a slab-on-grade and contains portions of the structure that are < 50,000 ft of continuously open space.

Continued from previous page:

Soil Gas Sample Identification	Sample Date	Constituent Identified Above Laboratory Detection Limits	Constituent Concentration Identified (ug/m³)	Residential/ Nonresidential VIAP Exceeded
SG-6D	11/17/23	Tetrachloroethene (PCE) Toluene	170 60	Not Exceeded Not Exceeded
SG-6D	2/19/24	2-Butanone (MEK) Tetrachloroethene (PCE)	45 99	Not Exceeded Not Exceeded
SG-7S	2/19/24	Toluene	45	Not Exceeded
SG-8D	2/19/24	2-Butanone (MEK)	45	Not Exceeded
SG-9S	11/17/23	Toluene Trichloroethylene (TCE)	40 13	Not Exceeded Not Exceeded
SG-9D	11/17/23	Toluene	55	Not Exceeded
SG-10D	2/19/24	Tetrachloroethene (PCE) Toluene	54 25	Not Exceeded Not Exceeded
SG-10D	11/17/23	2-Butanone (MEK)	52	Not Exceeded
SG-11S/ VP-11	2/19/24	Toluene m,p-Xylene	42 66	Not Exceeded Not Exceeded

µg/m³ – Part Per Million
R / NR SL – Residential / Nonresidential Screening Level, dated Feb. 2024 Rev.
* The Residential VIAP Screening Levels are calculated based on unrestricted residential use. The building construction input parameters include those associated with a residential structure that has a basement and contains less than six floors. The basement must have poured slab and poured or concrete block walls for these VIAP screening levels to be applicable. The Nonresidential VIAP Screening Levels are calculated based on restricted nonresidential use. The building construction input parameters includes those associated with a nonresidential structure that has a slab-on-grade and contains portions of the structure that are < 50,000 ft of continuously open space.

No other VOCs were identified at concentrations in excess of laboratory detection limits during either of the sampling events (November 2023 and February 2024) sampling events.

The results of the samples obtained at the SG-5S, including duplicate samples during each monitoring event, indicated similar concentrations of detected PCE. No other constituents were present in either of the samples. The results indicate good consistency in the field collection procedures and laboratory sample preparation and analysis. The Equipment Blank did not contain any detectable concentrations of VOCs during either monitoring event, which indicates there was no contamination influence from the sample collection equipment.

None of the sub slab soil gas samples during either event contained concentrations of mercury in excess of the laboratory detection limits (i.e., each was non-detect). The Field Blank sample obtained as part of the mercury sampling during each event, when analyzed by the laboratory, did not contain a detected concentration of mercury (i.e., non-detect). The non-detect results of the Field Blank analysis associated with each monitoring event indicates there was no cross contamination of field conditions during sampling. The Field Spike sample is a laboratory quality-control sample that was analyzed for mercury. Prior to onsite sampling, during each event, a sample was "spiked" with mercury by the laboratory. The purposes of the sample is to evaluate the effects of the sample matrix (mercury) on the performance of the analytical method. Analysis of the sample resulted in the recovery of 106% (November 2023) and 86% (February 2024) of mercury, which is within the laboratory standard (85-115%), indicating proper handling and analysis methods were employed.

As indicated in the table above, PCE was the only constituents that exceeded any of the VIAP Screening Levels, which was a residential value. The exceedance was only observed during the November 2023 monitoring event. The laboratory analytical results are summarized on the attached Table 3. The laboratory analytical report is contained in Appendix C. The attached Figure 7, depicts the sampling locations and summarizes the analytical results.

The results of the soil gas sampling were also compared to the Media-Specific Volatilization to Indoor Air Interim Action Screening Levels (MSSLs) for soil gas (including sub-slab) to assist with risk evaluation of the data. Only one exceedance of the MSSLs was identified in the collected soil gas samples, which is summarized in the table on the following page.

Boring Location	Sample Depth	Constituent In Excess of MSSLs	Constituent Concentration (Soil Gas ug/m^3)	Residential MSSL	Residential TS MSSL	Nonresidential MSSL	Nonresidential $MSSL_{12}$	Nonresidential TS $MSSL_{12}$
SG-5D	10’	Tetrachloroethene (PCE)	1,800	**1,400**	**1,400**	**1,400**	2,700	2,700

µg/m³ – Part Per Million **Exceedances are bolded**
MSSL – Media Specific Volatilization to Indoor Air Interim Action Screening Level
MSSL 12 – Media Specific Volatilization to Indoor Air Interim Action Screening Level adjusted for a nonresidential workday exposure
TS MSSL – Time-Sensitive Media Specific Volatilization to Indoor Air Interim Action Screening Level
TS MSSL 12 – Time-Sensitive Media Specific Volatilization to Indoor Air Interim Action Screening Level adjusted for a nonresidential workday exposure for structures that were not formerly residential houses. It may be appropriate to take expedited response actions at former residential structures when concentrations are less than those identified.

During the February 2024 sampling event, laboratory analytical results indicated that concentrations of PCE for SG-5D were below the MSSL. No other exceedances of the MSSLs were identified in the collected soil gas samples for the February 2024 sampling event. Per the EGLE Guidance Document for the Vapor Intrusion Pathway, the MSSL exceedances indicate:

1. Response actions should be completed as soon as possible when environmental concentrations exceed MSSLs.
2. Response actions should be completed immediately when environmental concentrations exceed time sensitive MSSLs (TS MSSLs).

As both the MSSL and TS MSSL has been exceeded for PCE at the SG-5D location, response actions should be completed prior to the existing or any future building being occupied on the 115 Pine Street parcel or immediately adjacent to the parcel.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The investigation was conducted to evaluate the potential for soil, groundwater and soil gas contamination to be present at the subject property in preparation for redevelopment of the site. As part of the investigation, additional information regarding the extent of soil impact was obtained. The investigation was also performed to provide additional information regarding implementation of future remediation/ mitigation measures to aid in redevelopment of the subject property and meet due care responsibilities. In light of the findings presented in Section 4.0 of this report, the following conclusions and recommendations are presented:

5.1 Summary of the Findings and Recommendations

A summary of the findings of the field investigation activities and laboratory analyses completed as part of the investigation activities, as well as, recommendations based on our findings are as follows:

Soil Sampling Activities

The advancement of the borings completed as part of the investigation were intended to and have provided additional characterization of impacts to onsite soil, groundwater and soil gas. The GCC/ VIAP Screening Levels are intended to be used for comparison of unsaturated soils; some of the soil samples obtained during the investigation were obtained from below the groundwater table (i.e., they were saturated). The criteria comparisons were used as a way to quantify contaminant concentrations and to provide information on the mass of contaminants onsite. Residential GCC exceedances in soils included the Drinking Water Protection Criteria, Groundwater Surface Water Interface Protection Criteria, and Direct Contact Criteria. While none of the soil samples obtained during this investigation were identified at concentrations in excess of the Soil Volatilization to Indoor Air Inhalation Criteria, previous investigations have identified onsite exceedances of this Criteria. Additional discussion of the soil investigation results associated with the investigation activities are detailed below.

Soil/ Concrete Sampling Activities – 115 Pine Street:

- This parcel is the location of a historical dry cleaning operation.
- Four of the six concrete floor slab samples obtained within the northern building contained PCE at concentrations in excess GCC and/ or the VIAP Screening Levels.
    - As PCE, a halogenated solvent used in dry cleaning, was identified within the concrete, the material is likely classified as a hazardous waste, specifically, an "F" (Waste Code: F002) listed waste for disposal purposes.
- PCE impacts exceeding GCC and/ or VIAP Screening Levels were identified below the floor slab at varying depths but due to the loose dry sand conditions the borings were not able to be advanced to their intended termination depths. Once the building is demolished, we recommend additional sampling be completed below the building using a drill rig to provide delineation to deeper depths to evaluate the vertical extent of impact and potential future remedial options.
- No other constituents were identified in sub-slab soil samples with GCC or VIAP Screening levels exceedances.

Soil Sampling Activities – 136 West State Street:

- This parcel is comprised of a grassy area located to the immediate east of the former dry cleaner (115 Pine Street).
- Six borings were advanced on the parcel that were orientated in two lines of three borings that extended from north to south on the parcel. Results of the sampling indicate that PCE impacts at concentrations in excess of GCC and/ or VIAP Screening Levels are present in each of the western borings (GP-92 through GP-94) at varying depths of up to 17 feet bgl. None of the eastern borings (GP-89 through GP-91) contained any detectable concentrations of VOCs, including PCE, to depths of up to 17 feet bgl at concentrations in excess of the laboratory detection limits (i.e., each was non-detect) and GCC/ VIAP Screening levels. The results of the sampling indicate that the extent of the PCE impact that presumably emanates from the former dry cleaner is likely delineated horizontally.
- The HA-10 through HA-15 borings were intended to be advanced to greater depths than

occurred but due to dry loose soil conditions the borings were unable to be advanced using a hand auger or powered auger to deeper depths. Through discussion with EGLE staff, it is intended that the borings will be advanced using a drill rig once the structure is removed.

Soil Sampling Activities – 126 and 130 West State Street:

- These parcels are developed with parking lot spaces and a vacant former barbershop/ residence in the central portions of the subject property.
- The analytical results indicate that GCC and/ or VIAP Screening Level exceedances are present on the parcels but the exceedances are limited to the upper fill soils, which extends to depths of up to approximately three to five feet bgl. No GCC and/ or VIAP Screening Level exceedances were identified at depths deeper than the overlying fill. The results of the investigation and prior investigation have likely delineated impacts on these parcels to the overlying fill.
- A boring was intended to be advanced at the GP-74 location but at the time of the drilling the boring was not accessible and as a result it was not advanced. Through discussions with EGLE staff, it is intended that the boring will be advanced using a drill rig once the onsite structures are removed.

Soil Sampling Activities – 120 and 122 West State Street:

- These parcels comprise the eastern portions of the subject property and are currently developed with two vacant commercial structures.
- Results of the soil sampling on these parcels generally indicates the upper soils (up to depths of 9 feet bgl) contain GCC and/ or VIAP Screening Level exceedances. Underlying soils at these locations did not contain analytes at concentrations that exceed GCC and/ or VIAP Screening Levels. No GCC or VIAP Screening Level exceedances were identified at the HA-6 location to a depth of 11 feet bgl.
- It was intended to advance borings at the HA-8, HA-9, and SG-11D locations within the interior of the buildings but due to the dry loose soil conditions encountered at other locations within onsite structures it was determined through conversations with EGLE

staff to wait until the onsite structures are demolished to advance the borings using a drill rig.

Groundwater Sampling Activities:

- Groundwater samples were obtained at two locations, GP-94, and GP-95 for characterization purposes in the event future redevelopment activities require disposal of groundwater. It was assumed for sampling purposes that groundwater would be disposed of at the City of Traverse City WWTP, if required. In the event groundwater needs to be managed to allow for redevelopment to occur, the City of Traverse City WWTP should be provided the laboratory analytical results attached to this report to determine if they will accept the water and what, if any, pretreatment would be required for their acceptance of the water for disposal purposes.

Soil Gas Evaluation:

- A soil gas sample was intended to be obtained from a well that was planned to be installed at the SG-11D location, below the existing building slab. However, the well was not able to be installed as soils below the existing building slab could not be extracted using a hand auger due to the fine grained nature and dry characteristics of the sand.
    - Installation of a soil gas well at this location would require use of a drill rig following demolition of the existing structure.
- During two events (November 2023 and February 2024), soil gas samples were collected from one VaporPin® that was installed through the floor slab of the 120 West State Street building and from 12 installed soil gas wells that were located within areas of existing parking lot/ landscaped areas. Each of the soil gas sampling locations were placed within areas of planned future enclosed spaces (offices, stairwells, and/ or planned leased commercial spaces). At each location, during each event, samples were obtained and analyzed for VOCs and mercury.
- The laboratory analytical results of the soil gas samples were compared to the EGLE Residential and Nonresidential VIAP Screening Levels.

- Several of the samples contained VOCs at concentrations in excess of the laboratory detection limits. Only one sample (SG-5D) during one event (November 2023) contained a constituent (PCE) at a concentration (1,800 µg/m³) in excess of the VIAP Screening Levels and only the Residential VIAP Screening Level was exceeded. None of the other samples, during either monitoring event, contained constituents in excess of the VIAP Screening Levels.
- The PCE concentration at the SG-5D location also exceeded the MSSL and TS MSSL levels, which indicates response actions should be completed prior to the existing or any future building being occupied on the 115 Pine Street parcel or immediately adjacent to the parcel.
- None of the samples collected during either of the monitoring events contained any detectable concentrations of mercury (i.e., each was non-detect), indicating each was also below the VIAP Screening Levels.
- We recommend completion of at least two additional sampling events to further evaluate the potential for seasonal variations to effect potential soil gas concentrations. Evaluation of soil gas over a year (four quarters) is constituent with the recommendations set forth in the EGLE Guidance Document for the Vapor Intrusion Pathway.

The following sections provide additional recommendations based on our findings.

A Due Care Plan should be completed on behalf of the owner/ operator to meet due care obligations under Section 20107a of Part 201 of Act 451 (the Natural Resources and Environmental Protection Act (NREPA)), of 1994, as amended, including the Part 9 Rules. Based on the findings of the investigation and prior investigations, due care considerations likely include the following but will need to be verified based on the planned use of the site.

- Future use of the subject property will include connection and use of the municipal water supply and no onsite water wells exist or are planned to be installed onsite, as a result, the Drinking Water Protection Criteria will not be a potentially complete exposure pathway. Future use of the municipal water supply will mitigate any potential exposure from

potable water use.

- There are no onsite water bodies or stormwater retention basins. The nearest waterbody is the boardman River, which is located between approximately 200 and 500 feet from the subject property, which indicates the Groundwater Surface Water Interface Protection (soil)/ Groundwater Surface Water Interface (groundwater) could be a complete pathway.
    - Future management of stormwater is to be completed through consultation with an Environmental Professional in consideration of onsite impacts.
    - Future redevelopment of the site will need to take into consideration stormwater management practices to prevent exacerbation of existing contamination.
- The presence of soils that contain Direct Contact Criteria exceedances could result in a complete exposure pathway. During redevelopment, measures shall be taken to provide workers with protocols to prevent a potential exposure to soils with direct contact exceedances. Following redevelopment, soils that contain direct contact exceedances should be covered with a minimum of 12 inches of cover or hard surfacing (building, concrete, asphalt) to prevent a potential exposure.
- Soils/ groundwater onsite are known to contain constituent exceedances to the Residential Soil Volatilization to Indoor Air Inhalation Criteria and VIAP Screening Levels. Soil gas sampling has also resulted in a VIAP Screening level exceedance. The exceedances indicate that vapor intrusion is a potentially complete exposure pathway, which based on the current data indicates mitigation of the volatilization to indoor air exposure pathway is necessary for buildings occupied for both residential and nonresidential uses. Without further evaluation, the existing structures and any future buildings are to have mitigation systems to prevent a potential exposure unless additional assessment is completed that shows mitigation of the pathway is not warranted.

We also recommend that prior to commencement of any redevelopment an Environmental Construction Management Plan that would outline soil and/ or groundwater handling procedures, exacerbation prevention procedures, potential onsite soil management strategies, if required, groundwater handling/ disposal requirement considerations and potential soil gas mitigation. A Plan should also include details regarding personal protective equipment requirements for site workers and incorporate future due care planning for the use of the site. Soils or groundwater should not be disturbed without prior consultation with an Environmental Professional in consideration of onsite impacts.

- Onsite soils should not be disturbed until a waste disposal classification has been determined. No disturbance of the subsurface should be completed until onsite wastes are property categorized.
- Disposal of the waste will also require obtaining a U.S. EPA Waste Generator Identification Number through EGLE. Management of soils will require coordination as it is likely the majority of the subject property can be managed with a non-hazardous waste classification, while at the 115 Pine Street parcel, soil and/ or concrete may be classified as hazardous and would be required to be managed as such.
    - A landfill(s) where any waste is to be disposed of should be contacted in advance of any planned disturbance to determine if they are able to accept the waste.
- Disposal of groundwater will require obtaining a permit for discharge to the municipal sewer system from the City of Traverse City Wastewater Treatment Plant or through EGLE via obtaining a National Pollutant Discharge Elimination System (NPDES) permit for discharge to the Boardman River.

6.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

This report was completed and reviewed by the following professionals. Please contact the undersigned with any questions or comments.

James A. Jackson II
Senior Project Manager

Daniel B. Barton, P.E.
Project Engineer

FIGURES

Figure 1 – Site Location Map

Figure 2 – Parcel Locations Map

Figure 3 – Prior Environmental Investigations Results Map

Figure 4 – Boring Locations Map

Figure 5 – Soil and Concrete Analytical Results Map

Figure 6 – Groundwater Analytical Results Map

Figure 7 – Soil Gas Analytical Results Map

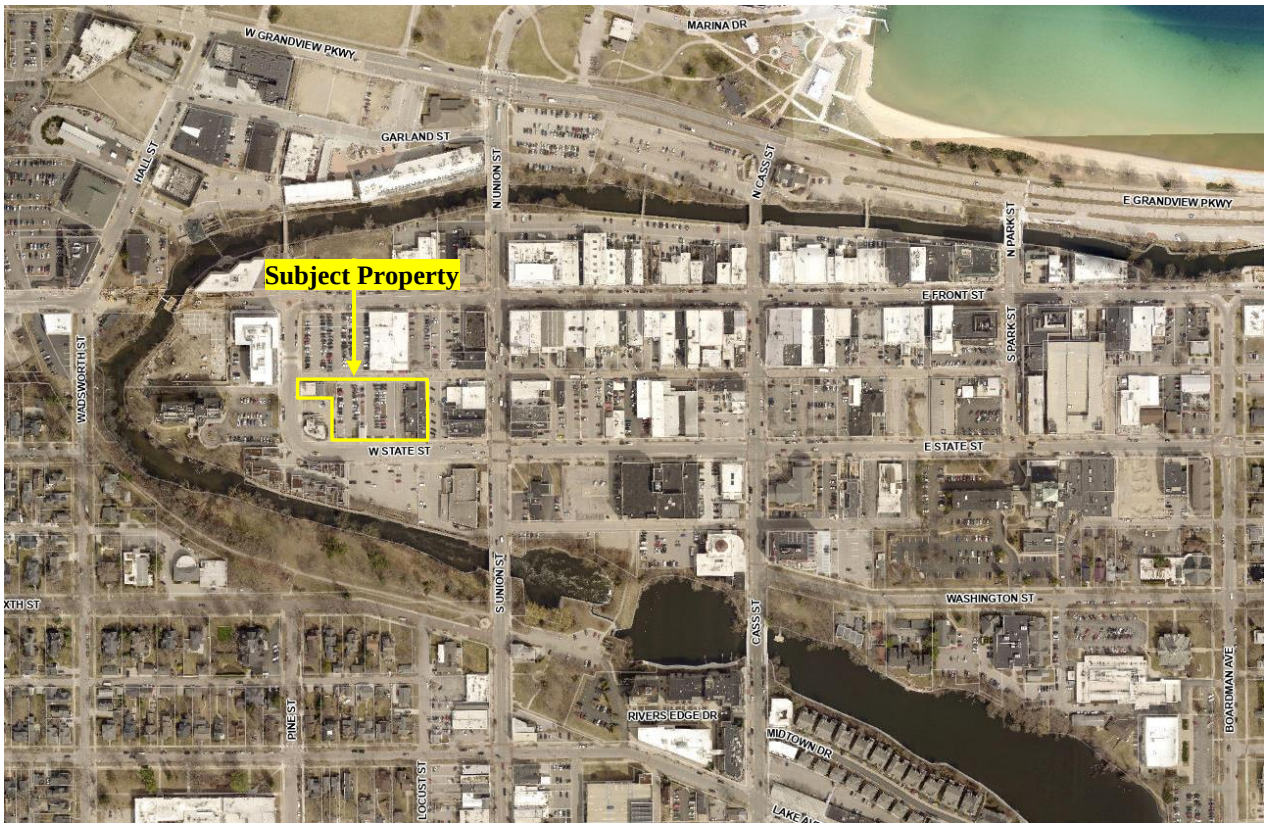
Figure 8 – Northern East-West Cross Section

Figure 9 – Southern East-West Cross Section

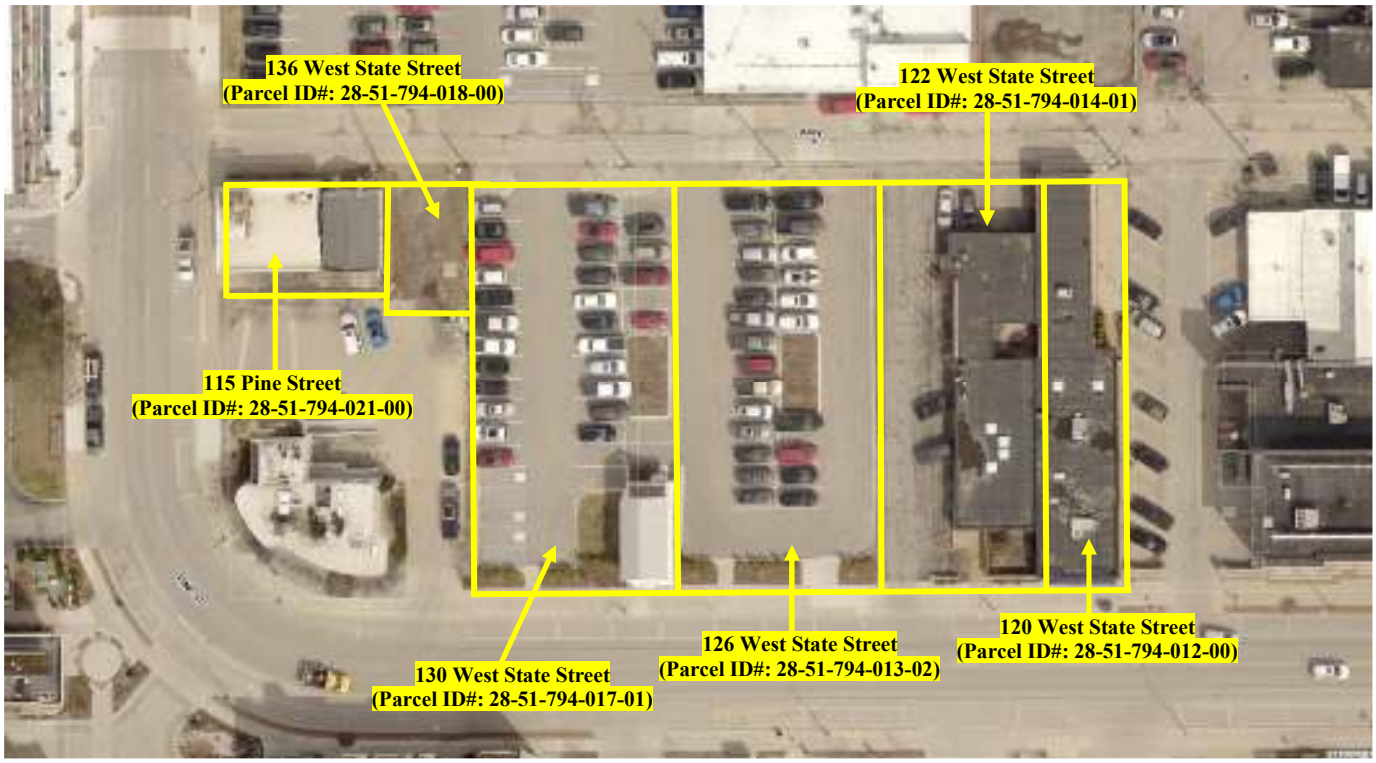
Figure 10 – Eastern North-South Cross Section

Figure 11 – Central North-South Cross Section

Figure 12 – Western North-South Cross Section

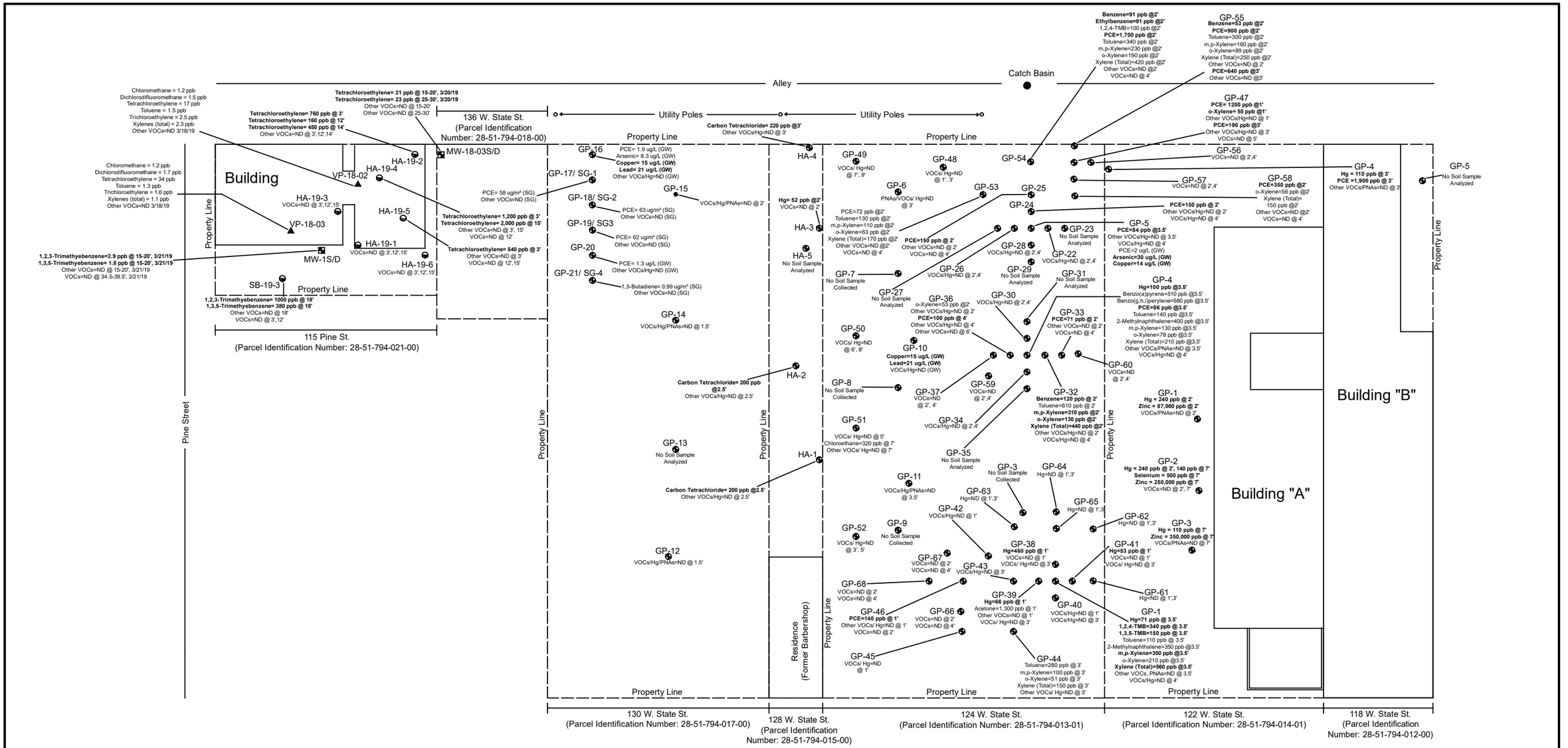


West State Street Properties **120-136 West State Street and 115 Pine Street** **Traverse City, Grand Traverse County, MI**	**Figure 1:** **Site Location Map**		**NORTH**
Otwell Mawby, PC **Traverse City, Michigan**	**Project No:** **20-393A**	**Date:** **11/14/23**	**Source:** **City of T.C.**



The addresses and Parcel Identification Numbers depicted are current as of September 2023 and have been changed since prior environmental investigations were completed, as depicted on Figure 3.

West State Street Properties **120-136 West State Street and 115 Pine Street** **Traverse City, Grand Traverse County, MI**	**Figure 2:** **Parcel Locations Map**		**NORTH**
Otwell Mawby, PC **Traverse City, Michigan**	**Project No:** **20-393A**	**Date:** **11/14/23**	**Source:** **City of T.C.**



LEGEND

GP-1	⊕	- Geoprobe Soil Boring Location
SB-19-3	⊖	- EGLE Soil Boring Location
MW-1 S/D	■	- Monitoring Well Shallow and Deep
VP-18-03	▲	- Vapor Pin
VOCs		- Volatile Organic Compounds
ND		- Not Detected Above Laboratory Detection Limits
Hg		- Mercury (total)
ppb		- Parts Per Billion (ug/kg)
1'		- Soil Sample Depth
(GW)		- Ground Water (ug/L)
(SG)		- Soil Gas (ug/m³)

Soil sample analytical results depicted unless noted as groundwater (GW) or soil gas (SG)

Soil sample analytical results in (ug/kg)

SCALE : 1" = 30 ft

0 5 10 20 30

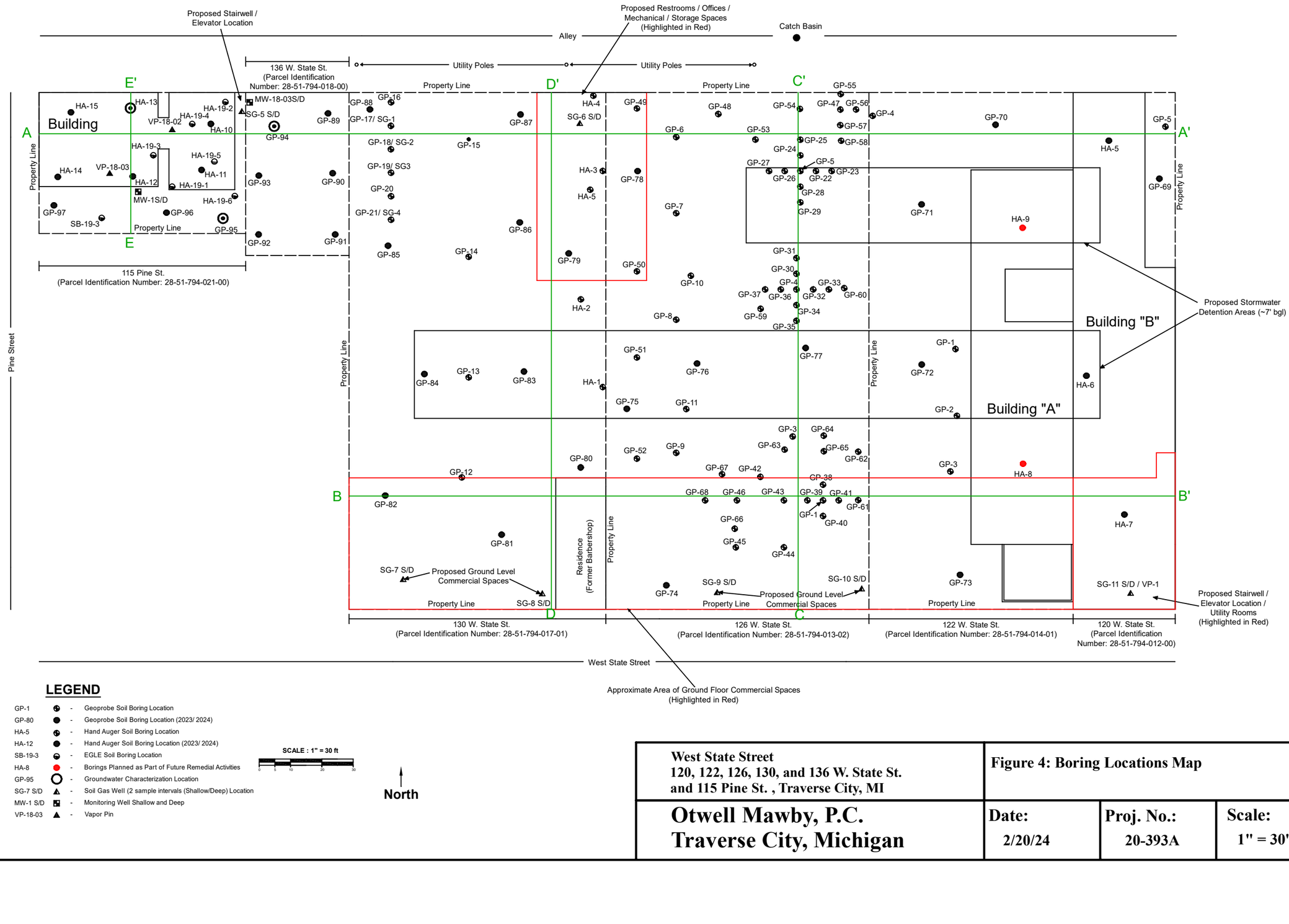
North

West State Street
118, 122, 124, 128,130, and 136 W. State St. and 115 Pine St. , Traverse City, MI

Figure 3: Prior Environmental Investigations Results Map

Otwell Mawby, P.C.
Traverse City, Michigan

Date:	Proj. No.:	Scale:
9/11/23	20-393A	1" = 30'



LEGEND

GP-1	-	Geoprobe Soil Boring Location
GP-80	-	Geoprobe Soil Boring Location (2023/ 2024)
HA-5	-	Hand Auger Soil Boring Location
HA-12	-	Hand Auger Soil Boring Location (2023/ 2024)
SB-19-3	-	EGLE Soil Boring Location
HA-8	-	Borings Planned as Part of Future Remedial Activities
GP-95	-	Groundwater Characterization Location
SG-7 S/D	-	Soil Gas Well (2 sample intervals (Shallow/Deep) Location
MW-1 S/D	-	Monitoring Well Shallow and Deep
VP-18-03	-	Vapor Pin

SCALE : 1" = 30 ft

0 5 10 20 30

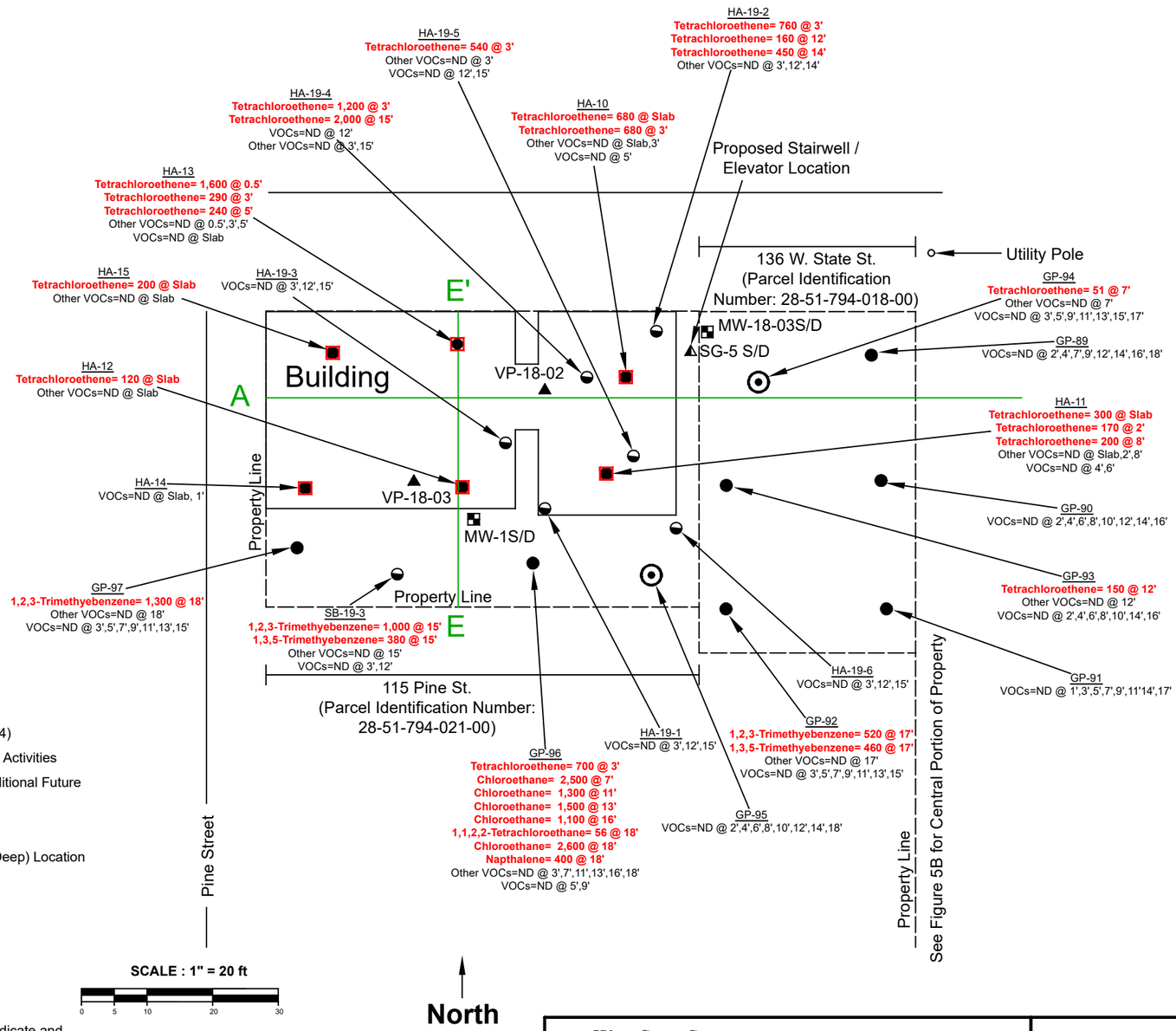
North

West State Street
120, 122, 126, 130, and 136 W. State St. and 115 Pine St. , Traverse City, MI

Figure 4: Boring Locations Map

Otwell Mawby, P.C.
Traverse City, Michigan

Date:	Proj. No.:	Scale:
2/20/24	20-393A	1" = 30'



LEGEND

HA-5	◔	- Hand Auger Soil Boring Location
HA-12	●	- Hand Auger Soil Boring Location (2023/ 2024)
HA-8	●	- Borings Planned as Part of Future Remedial Activities
HA-10	■	- Hand Auger Soil Boring Location Where Additional Future Investigation is Planned
GP-94	○	- Groundwater Characterization Location
SG-7 S/D	◭	- Soil Gas Well (2 sample intervals (Shallow/Deep) Location
GP-1	◔	- Geoprobe Soil Boring Location
GP-97	●	- Geoprobe Soil Boring Location (2023/ 2024)
SB-19-3	◒	- EGLE Soil Boring Location
MW-1 S/D	▪	- Monitoring Well Shallow and Deep
VP-18-03	▲	- Vapor Pin
	ND	- Non Detect

"Red and Bolded" Parameters and results indicate and exceedance of Generic Cleanup Criteria (GCC) and/or Volitization to Indoor Air Pathway (VIAP) Screening Levels

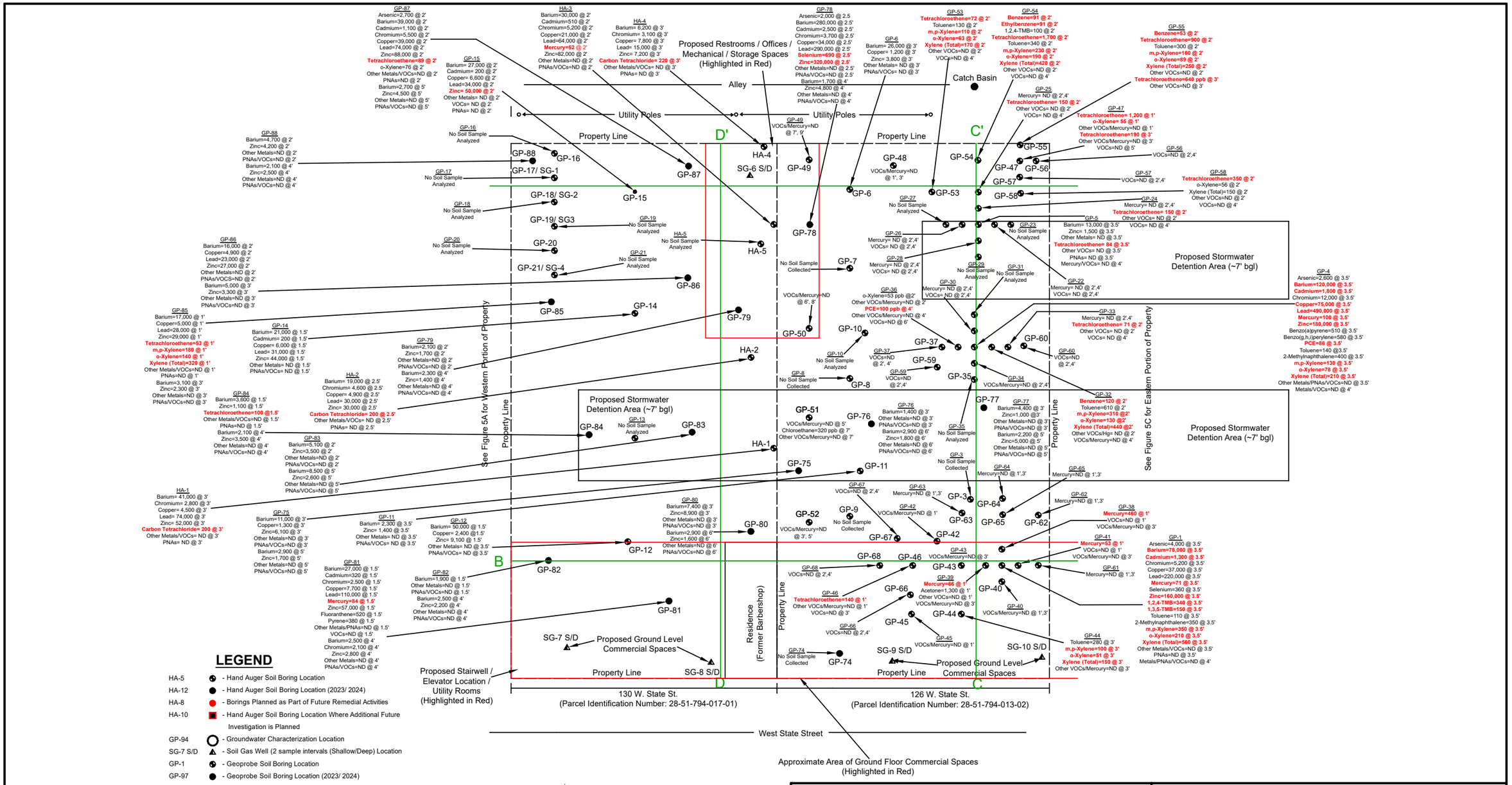
Results Shown in Parts Per Billion (ppb (ug/Kg)

West State Street
120, 122, 126, 130, and 136 W. State St. and 115 Pine St. , Traverse City, MI

Figure 5A: Soil and Concrete Analytical Results Western Parcels

Otwell Mawby, P.C.
Traverse City, Michigan

Date:	Proj. No.:	Scale:
3/7/24	20-393A	1" = 20'



GP-87
Arsenic=2,700 @ 2'
Barium=39,000 @ 2'
Cadmium=1,100 @ 2'
Chromium=5,500 @ 2'
Copper=39,000 @ 2'
Lead=74,000 @ 2'
Zinc=88,000 @ 2'
Tetrachloroethene=89 @ 2'
o-Xylene=76 @ 2'
Other Metals/VOCs=ND @ 2'
PNAs=ND @ 2'
Barium=2,700 @ 5'
Zinc=4,500 @ 5'
Other Metals=ND @ 5'
PNAs/VOCs=ND @ 5'

HA-3
Barium=30,000 @ 2'
Cadmium=510 @ 2'
Chromium=5,200 @ 2'
Copper=21,000 @ 2'
Lead=64,000 @ 2'
Mercury=52 @ 2'
Zinc=82,000 @ 2'
Other Metals=ND @ 2'
PNAs/VOCs=ND @ 2'

HA-4
Barium= 6,200 @ 3'
Chromium= 3,100 @ 3'
Copper= 7,800 @ 3'
Lead= 15,000 @ 3'
Zinc= 7,200 @ 3'
Carbon Tetrachloride= 220 @ 3'
Other Metals/VOCs= ND @ 3'
PNAs= ND @ 3'

GP-15
Barium= 27,000 @ 2'
Cadmium= 200 @ 2'
Copper= 6,600 @ 2'
Lead=34,000 @ 2'
Zinc= 50,000 @ 2'
Other Metals= ND @ 2'
VOCs= ND @ 2'
PNAs= ND @ 2'

GP-78
Arsenic=2,000 @ 2.5
Barium=280,000 @ 2.5'
Cadmium=2,500 @ 2.5'
Chromium=3,700 @ 2.5'
Copper=34,000 @ 2.5'
Lead=290,000 @ 2.5'
Selenium=690 @ 2.5'
Zinc=320,000 @ 2.5'
Other Metals=ND @ 2.5'
PNAs/VOCs=ND @ 2.5'
Barium=1,700 @ 4'
Zinc=4,800 @ 4'
Other Metals=ND @ 4'
PNAs/VOCs=ND @ 4'

GP-6
Barium= 26,000 @ 3'
Copper= 1,200 @ 3'
Zinc= 3,800 @ 3'
Other Metals= ND @ 3'
PNAs/VOCs= ND @ 3'

GP-53
Tetrachloroethene=72 @ 2'
Toluene=130 @ 2'
m,p-Xylene=110 @ 2'
o-Xylene=63 @ 2'
Xylene (Total)=170 @ 2'
Other VOCs=ND @ 2'
VOCs=ND @ 4'

GP-54
Benzene=91 @ 2'
Ethylbenzene=91 @ 2'
1,2,4-TMB=100 @ 2'
Tetrachloroethene=1,700 @ 2'
Toluene=340 @ 2'
m,p-Xylene=230 @ 2'
o-Xylene=190 @ 2'
Xylene (Total)=420 @ 2'
Other VOCs=ND @ 2'
VOCs=ND @ 4'

GP-55
Benzene=53 @ 2'
Tetrachloroethene=900 @ 2'
Toluene=300 @ 2'
m,p-Xylene=160 @ 2'
o-Xylene=89 @ 2'
Xylene (Total)=250 @ 2'
Other VOCs=ND @ 2'
Tetrachloroethene=640 ppb @ 3'
Other VOCs=ND @ 3'

GP-25
Mercury= ND @ 2',4'
Tetrachloroethene= 150 @ 2'
Other VOCs= ND @ 2'
VOCs= ND @ 4'

GP-47
Tetrachloroethene= 1,200 @ 1'
o-Xylene= 55 @ 1'
Other VOCs/Mercury=ND @ 1'
Tetrachloroethene=190 @ 3'
Other VOCs/Mercury=ND @ 3'
VOCs=ND @ 5'

GP-56
VOCs=ND @ 2',4'

GP-57
VOCs=ND @ 2',4'

GP-58
Tetrachloroethene=350 @ 2'
o-Xylene=56 @ 2'
Xylene (Total)=150 @ 2'
Other VOCs=ND @ 2'
VOCs=ND @ 4'

GP-24
Mercury= ND @ 2',4'
Tetrachloroethene= 150 @ 2'
Other VOCs= ND @ 2'
VOCs= ND @ 4'

GP-5
Barium= 13,000 @ 3.5'
Zinc= 1,500 @ 3.5'
Other Metals= ND @ 3.5'
Tetrachloroethene= 84 @ 3.5'
Other VOCs= ND @ 3.5'
PNAs= ND @ 3.5'
Mercury/VOCs= ND @ 4'

GP-23
No Soil Sample Analyzed

GP-26
Mercury= ND @ 2',4'
VOCs= ND @ 2',4'

GP-28
Mercury= ND @ 2',4'
VOCs= ND @ 2',4'

GP-29
No Soil Sample Analyzed

GP-31
No Soil Sample Analyzed

GP-22
Mercury= ND @ 2',4'
VOCs= ND @ 2',4'

GP-30
Mercury= ND @ 2',4'
VOCs= ND @ 2',4'

GP-36
o-Xylene=53 ppb @2'
Other VOCs/Mercury=ND @ 2'
PCE=100 ppb @ 4'
Other VOCs/Mercury=ND @ 4'
VOCs=ND @ 6'

GP-33
Mercury= ND @ 2',4'
Tetrachloroethene= 71 @ 2'
Other VOCs= ND @ 2'
VOCs= ND @ 4'

GP-60
VOCs=ND @ 2',4'

GP-32
Benzene=120 @ 2'
Toluene=610 @ 2'
m,p-Xylene=310 @2'
o-Xylene=130 @2'
Xylene (Total)=440 @2'
Other VOCs/Hg= ND @ 2'
VOCs/Mercury=ND @ 4'

GP-4
Arsenic=2,600 @ 3.5'
Barium=120,000 @ 3.5'
Cadmium=1,800 @ 3.5'
Chromium=12,000 @ 3.5'
Copper=75,000 @ 3.5'
Lead=490,000 @ 3.5'
Mercury=100 @ 3.5'
Zinc=180,000 @ 3.5'
Benzo(a)pyrene=510 @ 3.5'
Benzo(g,h,i)perylene=580 @ 3.5'
PCE=66 @ 3.5'
Toluene=140 @3.5'
2-Methylnaphthalene=400 @ 3.5'
m,p-Xylene=130 @ 3.5'
o-Xylene=78 @ 3.5'
Xylene (Total)=210 @ 3.5'
Other Metals/PNAs/VOCs=ND @ 3.5'
Metals/VOCs=ND @ 4'

GP-88
Barium=4,700 @ 2'
Zinc=4,200 @ 2'
Other Metals=ND @ 2'
PNAs/VOCs=ND @ 2'
Barium=2,100 @ 4'
Zinc=2,500 @ 4'
Other Metals=ND @ 4'
PNAs/VOCs=ND @ 4'

GP-16
No Soil Sample Analyzed

GP-17
No Soil Sample Analyzed

GP-18
No Soil Sample Analyzed

GP-19
No Soil Sample Analyzed

GP-20
No Soil Sample Analyzed

GP-21
No Soil Sample Analyzed

HA-5
No Soil Sample Analyzed

GP-49
VOCs/Mercury=ND @ 7', 9'

GP-27
No Soil Sample Analyzed

GP-48
VOCs/Mercury=ND @ 1', 3'

GP-86
Barium=16,000 @ 2'
Copper=4,900 @ 2'
Lead=23,000 @ 2'
Zinc=27,000 @ 2'
Other Metals=ND @ 2'
PNAs/VOCs=ND @ 2'
Barium=5,000 @ 3'
Zinc=3,300 @ 3'
Other Metals=ND @ 3'
PNAs/VOCs=ND @ 3'

GP-85
Barium=17,000 @ 1'
Copper=5,000 @ 1'
Lead=28,000 @ 1'
Zinc=29,000 @ 1'
Tetrachloroethene=53 @ 1'
m,p-Xylene=180 @ 1'
o-Xylene=140 @ 1'
Xylene (Total)=320 @ 1'
Other Metals/VOCs=ND @ 1'
PNAs=ND @ 1'
Barium=3,100 @ 3'
Zinc=2,300 @ 3'
Other Metals=ND @ 3'
PNAs/VOCs=ND @ 3'

GP-14
Barium= 21,000 @ 1.5'
Cadmium= 200 @ 1.5'
Copper= 6,000 @ 1.5'
Lead= 31,000 @ 1.5'
Zinc= 44,000 @ 1.5'
Other Metals= ND @ 1.5'
PNAs/VOCs= ND @ 1.5'

GP-79
Barium=2,100 @ 2'
Zinc=1,700 @ 2'
Other Metals=ND @ 2'
PNAs/VOCs=ND @ 2'
Barium=2,300 @ 4'
Zinc=1,400 @ 4'
Other Metals=ND @ 4'
PNAs/VOCs=ND @ 4'

HA-2
Barium= 19,000 @ 2.5'
Chromium= 4,600 @ 2.5'
Copper= 4,900 @ 2.5'
Lead= 30,000 @ 2.5'
Zinc= 30,000 @ 2.5'
Carbon Tetrachloride= 200 @ 2.5'
Other Metals/VOCs= ND @ 2.5'
PNAs= ND @ 2.5'

GP-84
Barium=3,600 @ 1.5'
Zinc=1,100 @ 1.5'
Tetrachloroethene=100 @1.5'
Other Metals/VOCs=ND @ 1.5'
PNAs=ND @ 1.5'
Barium=2,100 @ 4'
Zinc=3,500 @ 4'
Other Metals=ND @ 4'
PNAs/VOCs=ND @ 4'

GP-83
Barium=5,100 @ 2'
Zinc=3,500 @ 2'
Other Metals=ND @ 2'
PNAs/VOCs=ND @ 2'
Barium=8,500 @ 5'
Zinc=2,600 @ 5'
Other Metals=ND @ 5'
PNAs/VOCs=ND @ 5'

GP-13
No Soil Sample Analyzed

GP-8
No Soil Sample Collected

GP-10
No Soil Sample Analyzed

GP-7
No Soil Sample Collected

GP-10
GP-37
VOCs=ND @ 2', 4'

GP-59
VOCs=ND @ 2',4'

GP-8

GP-35
No Soil Sample Analyzed

GP-34
VOCs/Mercury=ND @ 2',4'

GP-77
Barium=4,400 @ 3'
Zinc=1,000 @3'
Other Metals=ND @ 3'
PNAs/VOCs=ND @ 3'
Barium=2,200 @ 5'
Zinc=5,000 @ 5'
Other Metals=ND @ 5'
PNAs/VOCs=ND @ 5'

GP-76
Barium=1,400 @ 3'
Other Metals=ND @ 3'
PNAs/VOCs=ND @ 3'
Barium=2,900 @ 6'
Zinc=1,800 @ 6'
Other Metals=ND @ 6'
PNAs/VOCs=ND @ 6'

GP-51
VOCs/Mercury=ND @ 5'
Chloroethane=320 ppb @ 7'
Other VOCs/Mercury=ND @ 7'

GP-3
No Soil Sample Collected

GP-64
Mercury=ND @ 1',3'

GP-65
Mercury=ND @ 1',3'

GP-62
Mercury=ND @ 1',3'

GP-63
Mercury=ND @ 1',3'

GP-3

GP-64

GP-65

GP-62

GP-52
VOCs/Mercury=ND @ 3', 5'

GP-9
No Soil Sample Collected

GP-42
VOCs/Mercury=ND @ 1'

GP-67
VOCs=ND @ 2',4'

GP-67

GP-42

GP-80
Barium=7,400 @ 3'
Zinc=8,900 @ 3'
Other Metals=ND @ 3'
PNAs/VOCs=ND @ 3'
Barium=2,900 @ 6'
Zinc=1,600 @ 6'
Other Metals=ND @ 6'
PNAs/VOCs=ND @ 6'

GP-80

GP-12
Barium= 50,000 @ 1.5'
Copper= 2,400 @1.5'
Zinc= 9,100 @ 1.5'
Other Metals= ND @ 3.5'
PNAs/VOCs= ND @ 3.5'

GP-12

GP-82
Barium=1,900 @ 1.5'
Other Metals=ND @ 1.5'
PNAs/VOCs=ND @ 1.5'
Barium=2,500 @ 4'
Zinc=2,200 @ 4'
Other Metals=ND @ 4'
PNAs/VOCs=ND @ 4'

GP-82

GP-81
Barium=27,000 @ 1.5'
Cadmium=320 @ 1.5'
Chromium=2,500 @ 1.5'
Copper=7,700 @ 1.5'
Lead=110,000 @ 1.5'
Mercury=84 @ 1.5'
Zinc=57,000 @ 1.5'
Fluoranthene=520 @ 1.5'
Pyrene=380 @ 1.5'
Other Metals/PNAs=ND @ 1.5'
VOCs=ND @ 1.5'
Barium=2,500 @ 4'
Chromium=2,100 @ 4'
Zinc=2,800 @ 4'
Other Metals=ND @ 4'
PNAs/VOCs=ND @ 4'

GP-81

GP-41
Mercury=53 @ 1'
VOCs=ND @ 1'
VOCs/Mercury=ND @ 3'

GP-61
Mercury=ND @ 1',3'

GP-1
Arsenic=4,000 @ 3.5'
Barium=78,000 @ 3.5'
Cadmium=1,300 @ 3.5'
Chromium=5,200 @ 3.5'
Copper=37,000 @ 3.5'
Lead=220,000 @ 3.5'
Mercury=71 @ 3.5'
Selenium=360 @ 3.5'
Zinc=160,000 @ 3.5'
1,2,4-TMB=340 @ 3.5'
1,3,5-TMB=150 @ 3.5'
Toluene=110 @ 3.5'
2-Methylnaphthalene=350 @ 3.5'
m,p-Xylene=350 @ 3.5'
o-Xylene=210 @ 3.5'
Xylene (Total)=560 @ 3.5'
Other Metals/VOCs=ND @ 3.5'
PNAs=ND @ 3.5'
Metals/PNAs/VOCs=ND @ 4'

GP-68
VOCs=ND @ 2',4'

GP-46
Tetrachloroethene=140 @ 1'
Other VOCs/Mercury=ND @ 1'
VOCs=ND @ 3'

GP-43
VOCs/Mercury=ND @ 3'

GP-43

GP-39
Mercury=66 @ 1'
Acetone=1,300 @ 1'
Other VOCs=ND @ 1'
VOCs/Mercury=ND @ 3'

GP-66
VOCs=ND @ 2',4'

GP-66

GP-40
VOCs/Mercury=ND @ 1',3'

GP-40

GP-45
VOCs/Mercury=ND @ 1'

GP-45

GP-44
Toluene=280 @ 3'
m,p-Xylene=100 @ 3'
o-Xylene=51 @ 3'
Xylene (Total)=150 @ 3'
Other VOCs/Mercury=ND @ 3'

GP-74
No Soil Sample Collected

GP-74

LEGEND

HA-5	- Hand Auger Soil Boring Location
HA-12	- Hand Auger Soil Boring Location (2023/ 2024)
HA-8	- Borings Planned as Part of Future Remedial Activities
HA-10	- Hand Auger Soil Boring Location Where Additional Future Investigation is Planned
GP-94	- Groundwater Characterization Location
SG-7 S/D	- Soil Gas Well (2 sample intervals (Shallow/Deep) Location
GP-1	- Geoprobe Soil Boring Location
GP-97	- Geoprobe Soil Boring Location (2023/ 2024)
SB-19-3	- EGLE Soil Boring Location
MW-1 S/D	- Monitoring Well Shallow and Deep
VP-18-03	- Vapor Pin
ND	- Non Detect

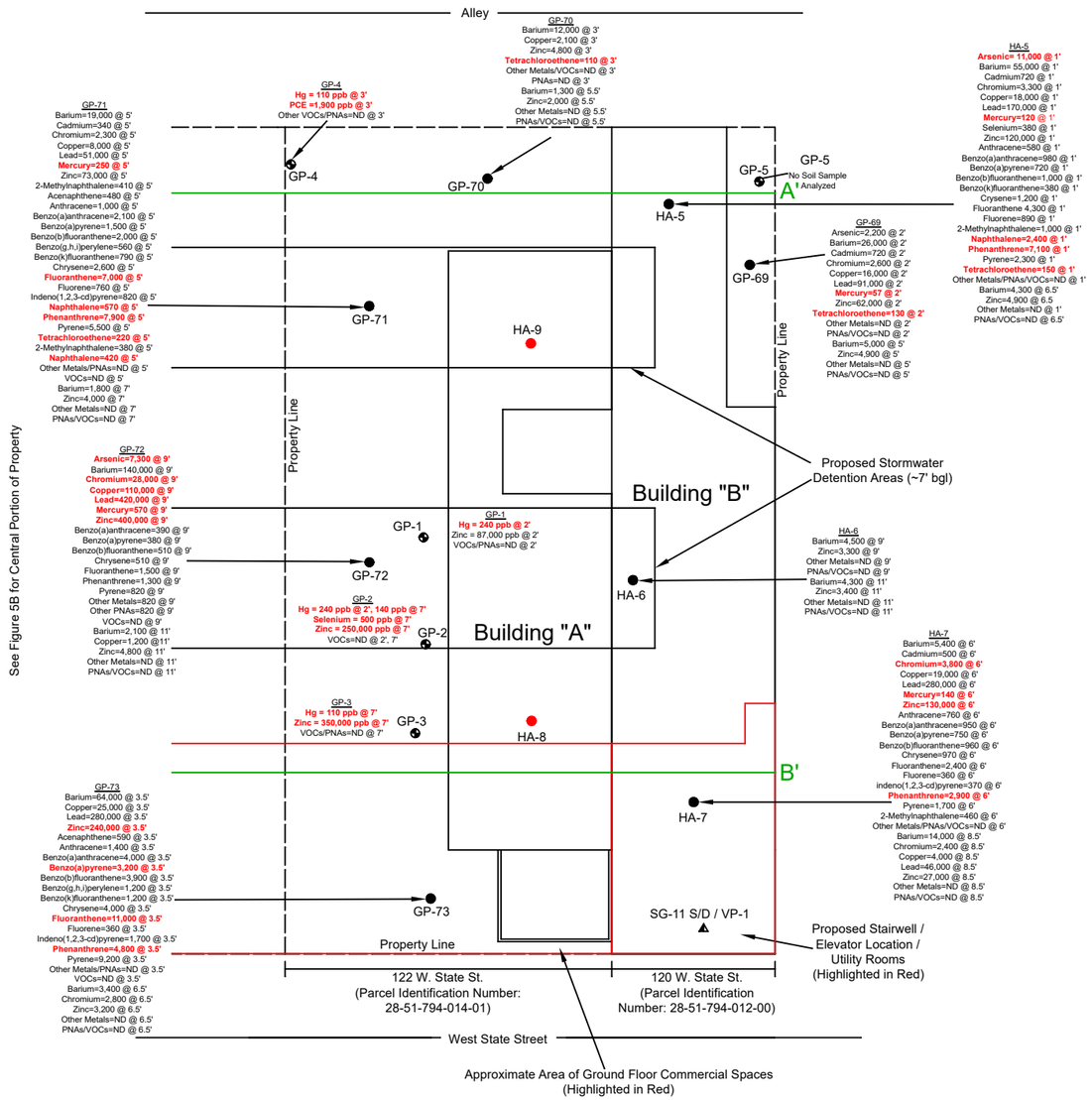
"Red and Bolded" Parameters and results indicate and exceedance of Generic Cleanup Criteria (GCC) and/or Volitization to Indoor Air Pathway (VIAP) Screening Levels
Results Shown in Parts Per Billion (ppb (ug/Kg)

West State Street
120, 122, 126, 130, and 136 W. State St. and 115 Pine St. , Traverse City, MI

Figure 5B: Soil and Concrete Analytical Results Central Parcels

Otwell Mawby, P.C.
Traverse City, Michigan

Date:	Proj. No.:	Scale:
3/7/24	20-393A	1" = 30'



LEGEND

HA-5	●	- Hand Auger Soil Boring Location
HA-12	●	- Hand Auger Soil Boring Location (2023/ 2024)
HA-8	●	- Borings Planned as Part of Future Remedial Activities
HA-10	■	- Hand Auger Soil Boring Location Where Additional Future Investigation is Planned
GP-94	○	- Groundwater Characterization Location
SG-7 S/D	▲	- Soil Gas Well (2 sample intervals (Shallow/Deep) Location
GP-1	◔	- Geoprobe Soil Boring Location
GP-97	●	- Geoprobe Soil Boring Location (2023/ 2024)
SB-19-3	◒	- EGLE Soil Boring Location
MW-1 S/D	▪	- Monitoring Well Shallow and Deep
VP-18-03	▲	- Vapor Pin
ND		- Non Detect

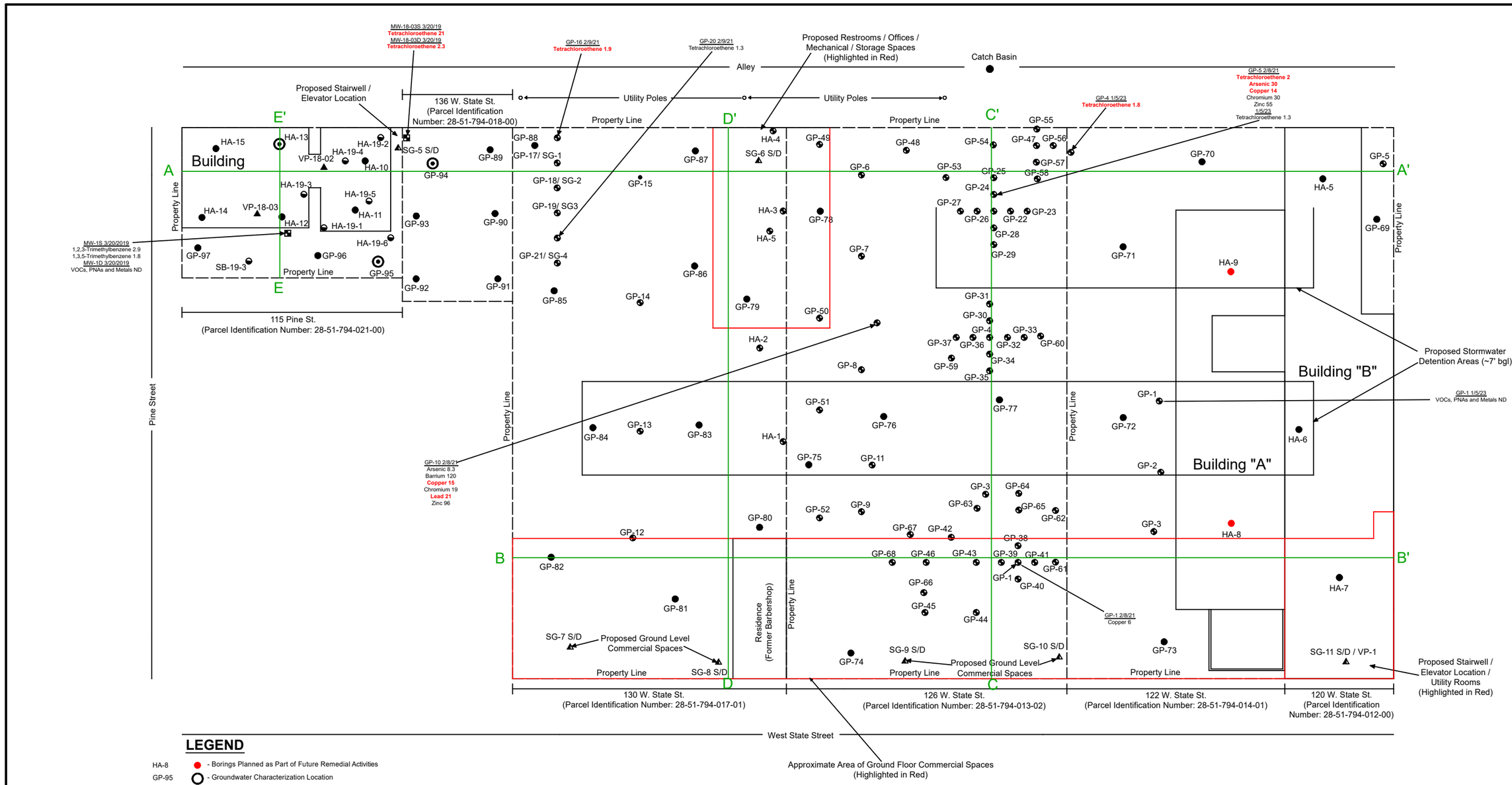
"Red and Bolded" Parameters and results indicate and exceedance of Generic Cleanup Criteria (GCC) and/or Volitization to Indoor Air Pathway (VIAP) Screening Levels

Results Shown in Parts Per Billion (ppb (ug/Kg)

SCALE : 1" = 30 ft

0 5 10 20 30

West State Street **120, 122, 126, 130, and 136 W. State St. and 115 Pine St. , Traverse City, MI**	**Figure 5C: Soil and Concrete Analytical Results Eastern Parcels**		
Otwell Mawby, P.C. **Traverse City, Michigan**	**Date:** 3/7/24	**Proj. No.:** 20-393A	**Scale:** 1" = 30'



LEGEND

- HA-8 - Borings Planned as Part of Future Remedial Activities
- GP-95 - Groundwater Characterization Location
- SG-7 S/D - Soil Gas Well (2 sample intervals (Shallow/Deep) Location
- GP-1 - Geoprobe Soil Boring Location
- SB-19-3 - EGLE Soil Boring Location
- MW-1 S/D - Monitoring Well Shallow and Deep
- VP-18-03 - Vapor Pin

Results shown in Parts per Billion (ppb or ug/L)
"Red and Bolded" Parameters and results indicate and exceedance of Generic Cleanup Criteria (GCC) and/or Volitization to Indoor Air Pathway (VIAP) Screening Levels

ND - Non Detect

SCALE : 1" = 30 ft

0 5 10 20 30

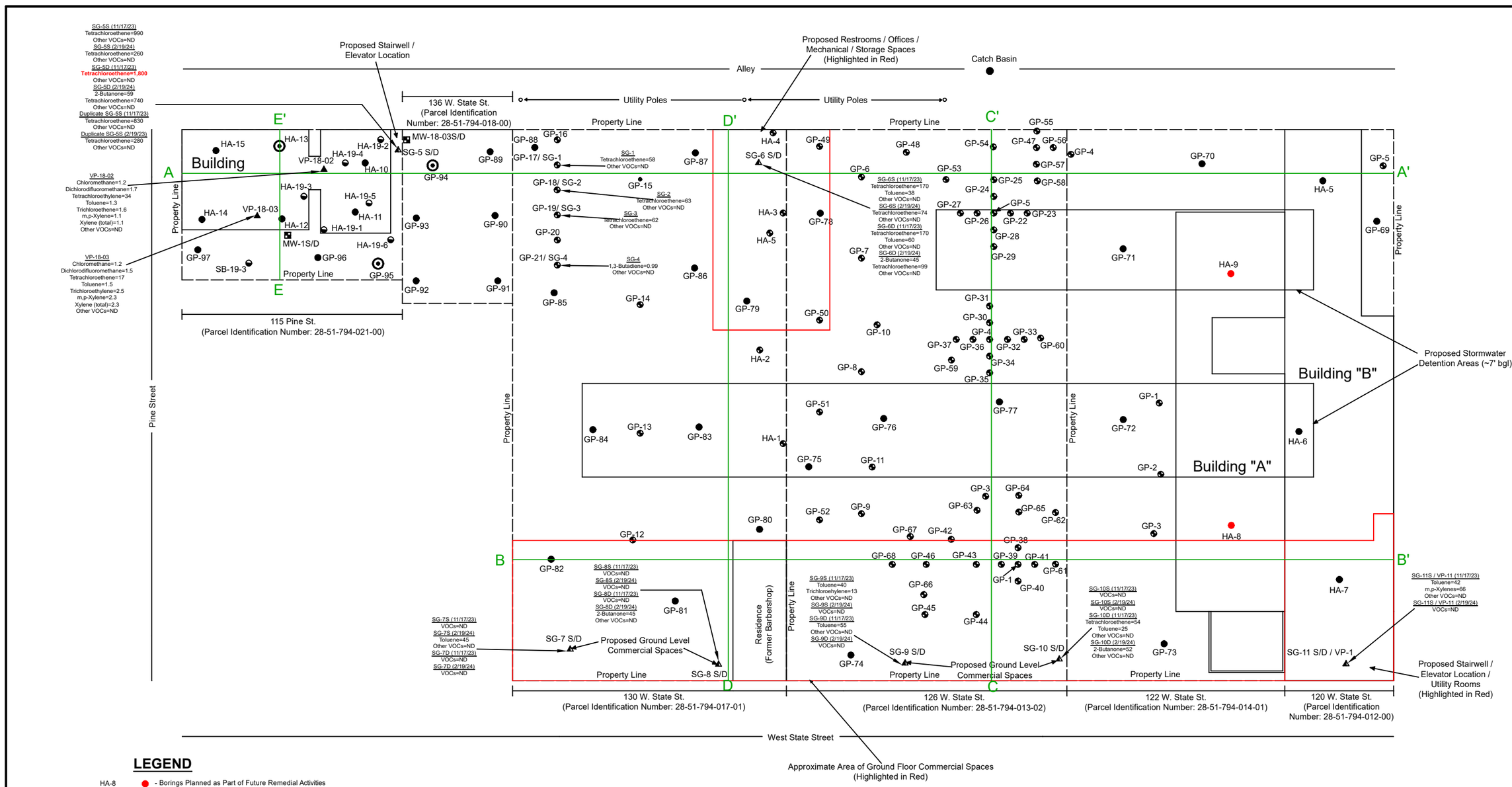
North

West State Street
120, 122, 126, 130, and 136 W. State St. and 115 Pine St. , Traverse City, MI

Figure 6: Groundwater Analytical Results

Otwell Mawby, P.C.
Traverse City, Michigan

Date:	Proj. No.:	Scale:
3/7/24	20-393A	1" = 30'



LEGEND

- HA-8 - Borings Planned as Part of Future Remedial Activities
- GP-95 - Groundwater Characterization Location
- SG-7 S/D - Soil Gas Well (2 sample intervals (Shallow/Deep) Location
- GP-1 - Geoprobe Soil Boring Location
- SB-19-3 - EGLE Soil Boring Location
- MW-1 S/D - Monitoring Well Shallow and Deep
- VP-18-03 - Vapor Pin

"Red and Bolded" Parameters and results indicate and exceedance of Volitization to Indoor Air Pathway VIAP) Screening Levels

Results Shown in Parts Per Billion (ppb (ug/m^3)

SCALE : 1" = 30 ft

0 5 10 20 30

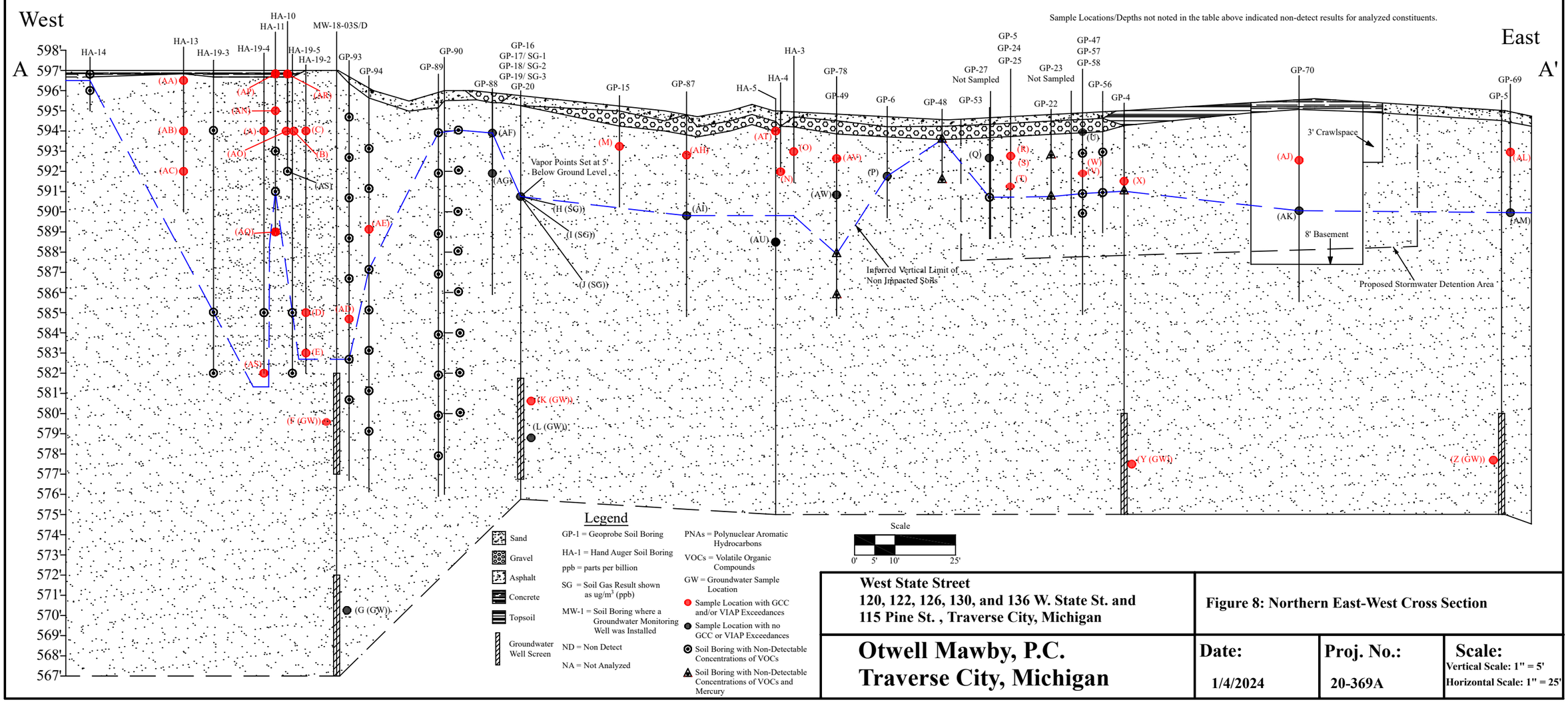
North

West State Street **120, 122, 126, 130, and 136 W. State St. and 115 Pine St. , Traverse City, MI**	**Figure 7: Soil Gas Analytical Results**		
Otwell Mawby, P.C. **Traverse City, Michigan**	**Date:** 3/7/24	**Proj. No.:** 20-393A	**Scale:** 1" = 30'

Sample Results Shown in parts per billion (ppb (ug/Kg))

Boring ID	HA-19-4	HA-19-5	HA-19-2	HA-19-2	HA-19-2	MW-18-03 S	MW-18-03 D	SG-1	SG-2	SG-3	GP-16	GP-20	GP-15	HA-4	HA-3	GP-6	GP-53	GP-24	GP-25	GP-5	GP-47	GP-47	GP-58	GP-4	GP-4	GP-5	HA-13	HA-13	HA-13	GP-93	GP-94	GP-88	GP-88	GP-87	GP-87	GP-70	GP-70	GP-69	GP-69	HA-11	HA-10	HA-11	HA-10	HA-19-4	HA-5	HA-5	GP-78	GP-70
Map ID	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW
Sample Depth	3'	3'	3'	12'	14'	15'-20'	25'-30'	5'	5'	5'	14'-19'	14'-19'	2'	3'	2'	3'	2'	2'	2'	3.5'	1'	3'	2'	3.5'	15'-20'	15'-20'	0.5'	3'	5'	12'	7'	12'	14'	2'	5'	3'	5.5'	2'	5'	2'	3'	SLAB	8'	SLAB	15'	1'	6.5'	2.5'	4'
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA	ND	NA	NA	NA	2,600	ND	30	NA	NA	NA	NA	NA	ND	ND	2,700	ND	ND	ND	2,200	ND	ND	ND	ND	ND	ND	ND	11,000	ND	2,000	ND
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27,000	6,200	30,000	26,000	NA	NA	NA	13,000	NA	NA	NA	120,000	ND	ND	NA	NA	NA	NA	NA	4,700	2,100	39,000	2,700	12,000	1,300	26,000	5,000	ND	ND	ND	ND	ND	ND	55,000	4,300	280,000	1,700
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	200	ND	510	ND	NA	NA	NA	ND	NA	NA	NA	1,800	ND	ND	NA	NA	NA	NA	NA	ND	ND	1,100	ND	ND	ND	720	ND	ND	ND	ND	ND	ND	ND	720	ND	2,500	ND
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	3,100	5,200	ND	NA	NA	NA	ND	NA	NA	NA	12,000	ND	30	NA	NA	NA	NA	NA	ND	ND	5,500	ND	ND	ND	2,600	ND	ND	ND	ND	ND	ND	ND	3,300	ND	3,700	ND
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,600	7,800	21,000	1,200	NA	NA	NA	ND	NA	NA	NA	75,000	ND	14	NA	NA	NA	NA	NA	ND	ND	39,000	ND	2,100	ND	16,000	ND	ND	ND	ND	ND	ND	ND	18,000	ND	34,000	ND
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	34,000	15,000	64,000	ND	NA	NA	NA	ND	NA	NA	NA	490,000	ND	ND	NA	NA	NA	NA	NA	ND	ND	74,000	ND	ND	ND	91,000	ND	ND	ND	ND	ND	ND	ND	170,000	ND	290,000	ND
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	52	ND	NA	NA	ND	ND	ND	ND	NA	100	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	57	ND	ND	ND	ND	ND	ND	ND	120	ND	ND	ND
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA	ND	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	380	ND	690	ND
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50,000	7,200	82,000	3,800	NA	NA	NA	1,500	NA	NA	NA	180,000	ND	55	NA	NA	NA	NA	NA	4,200	2,500	88,000	4,500	4,800	2,000	62,000	4,900	ND	ND	ND	ND	ND	ND	120,000	4,900	320,000	4,800
Benzopyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	NA	NA	510	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoperylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	NA	NA	580	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1,200	540	760	160	450	21	2.3	ND	ND	ND	1.9	1.3	ND	220	ND	ND	72	150	150	84	1,200	190	350	86	1.8	2	1,600	290	240	150	51	ND	ND	89	ND	110	ND	130	ND	170	680	300	200	680	2,000	2,000	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	58	63	62	ND	ND	ND	ND	ND	ND	130	ND	ND	ND	ND	ND	ND	140	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	ND	ND	ND	ND	ND	ND	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	63	ND	ND	ND	55	ND	ND	78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	170	ND	ND	ND	ND	ND	ND	210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample Locations/Depths not noted in the table above indicated non-detect results for analyzed constituents.



Legend

- Sand
- Gravel
- Asphalt
- Concrete
- Topsoil
- Groundwater Well Screen

GP-1 = Geoprobe Soil Boring

HA-1 = Hand Auger Soil Boring

ppb = parts per billion

SG = Soil Gas Result shown as ug/m^3 (ppb)

MW-1 = Soil Boring where a Groundwater Monitoring Well was Installed

ND = Non Detect

NA = Not Analyzed

PNAs = Polynuclear Aromatic Hydrocarbons

VOCs = Volatile Organic Compounds

GW = Groundwater Sample Location

- Sample Location with GCC and/or VIAP Exceedances
- Sample Location with no GCC or VIAP Exceedances
- Soil Boring with Non-Detectable Concentrations of VOCs
- Soil Boring with Non-Detectable Concentrations of VOCs and Mercury

Scale

0' 5' 10' 25'

West State Street
120, 122, 126, 130, and 136 W. State St. and 115 Pine St. , Traverse City, Michigan

Figure 8: Northern East-West Cross Section

Otwell Mawby, P.C.
Traverse City, Michigan

Date: 1/4/2024

Proj. No.: 20-369A

Scale:
Vertical Scale: 1" = 5'
Horizontal Scale: 1" = 25'

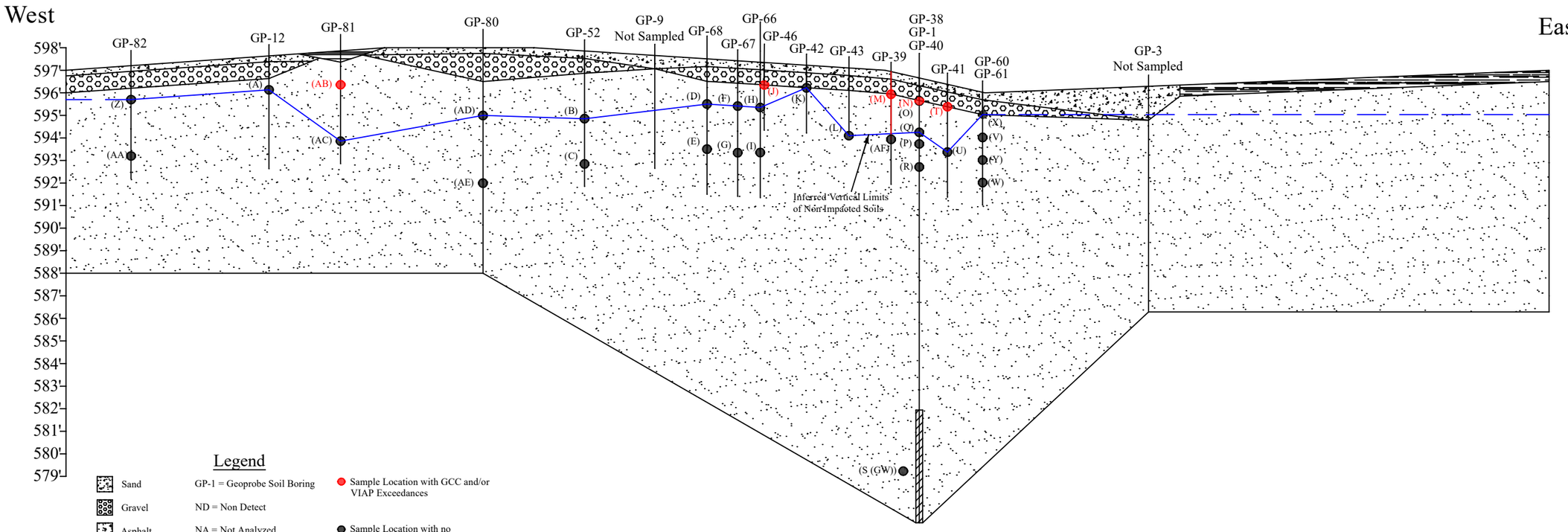
Sample Results Shown in parts per billion (ppb (ug/Kg))																																		
Sample ID	GP-12	GP-52	GP-52	GP-68	GP-68	GP-67	GP-67	GP-66	GP-66	GP-46	GP-42	GP-43	GP-39	GP-38	GP-40	GP-38	GP-1	GP-1	GP-1	GP-41	GP-41	GP-60	GP-60	GP-61	GP-61	GP-82	GP-82	GP-81	GP-81	GP-80	GP-80	GP-39
Map ID	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF
Sample Depth	1.5'	3'	5'	2'	4'	2'	4'	2'	4'	1'	1'	3'	1'	1'	'1	3'	3.5'	4'	15'-20'	1'	3'	2'	4'	1'	3'	1.5'	4'	1.5'	4'	3'	6'	3'
Arsenic	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,000	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA
Barium	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	78,000	NA	ND	NA	NA	NA	NA	NA	NA	1,900	2,500	27,000	2,500	7,400	2,900	NA
Cadmium	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,300	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	320	ND	ND	ND	NA
Chromium	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5,200	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	2,500	2,100	ND	ND	NA
Copper	2,400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37,000	NA	6	NA	NA	NA	NA	NA	NA	ND	ND	7,700	ND	ND	ND	NA
Lead	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	220,000	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	110,000	ND	ND	ND	NA
Mercury	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	66	460	ND	ND	71	ND	ND	53	ND	NA	NA	ND	ND	ND	ND	84	ND	ND	ND	ND
Selenium	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	360	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA
Zinc	9,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	160,000	NA	ND	NA	NA	NA	NA	NA	NA	ND	2,200	57,000	2,800	8,900	1,600	NA
Benzopyrene	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA
Benzoperylene	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA
Fluoranthene	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	520	ND	ND	ND	NA
Pyrene	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	380	ND	ND	ND	NA
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	340	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	150	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	140	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	350	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	350	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	560	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

B

B'

West

East



Legend

- Sand
- Gravel
- Asphalt
- Concrete
- Topsoil
- Groundwater Well Screen

GP-1 = Geoprobe Soil Boring

ND = Non Detect

NA = Not Analyzed

ppb = parts per billion

PNAs = Polynuclear Aromatic Hydrocarbons

VOCs = Volatile Organic Compounds

GW = Groundwater Sample Location

Sample Location with GCC and/or VIAP Exceedances

Sample Location with no GCC or VIAP Exceedances

Scale

0' 5' 10' 20'

West State Street
120, 122, 126, 130, and 136 W. State St. and
115 Pine St. , Traverse City, Michigan

Figure 9: Southern East-West Cross Section

Otwell Mawby, P.C.
Traverse City, Michigan

Date: 1/2/2024

Proj. No.: 20-369A

Scale:
Vertical Scale: 1" = 5'
Horizontal Scale: 1" = 20'

| Sample Results Shown in parts per billion (ppb (ug/Kg)) | | |

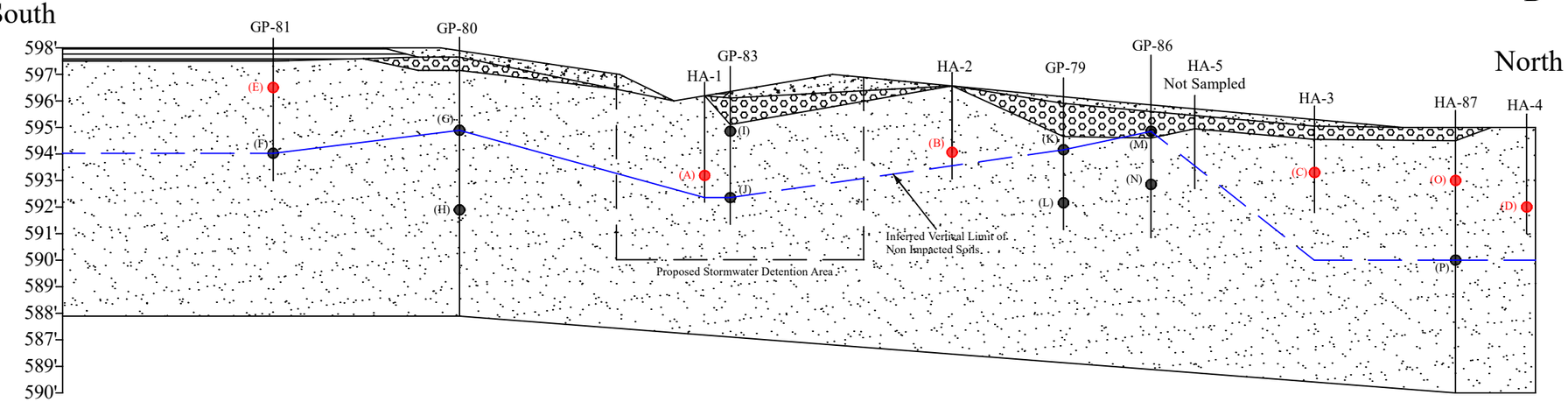
Sample Results Shown in parts per billion (ppb (ug/Kg))																
Boring ID	HA-1	HA-2	HA-3	HA-4	GP-81	GP-81	GP-80	GP-80	GP-83	GP-83	GP-79	GP-79	GP-86	GP-86	GP-87	GP-87
Map ID	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Sample Depth	3'	2.5'	2'	3'	1.5'	4'	3'	6'	2'	5'	2'	4'	2'	3'	2'	5'
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,700	ND
Barium	41,000	19,000	30,000	6,200	27,000	2,500	7,400	2,900	5,100	8,500	2,100	2,300	16,000	5,000	39,000	2,700
Cadmium	ND	ND	510	ND	320	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100	ND
Chromium	2,800	4,600	5,200	3,100	2,500	2,100	ND	ND	ND	ND	ND	ND	ND	ND	5,500	ND
Copper	4,500	4,900	21,000	7,800	7,700	ND	ND	ND	ND	ND	ND	ND	4,900	ND	39,000	ND
Lead	74,000	30,000	64,000	15,000	110,000	ND	ND	ND	ND	ND	ND	ND	23,000	ND	74,000	ND
Mercury	ND	ND	52	ND	84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	52,000	30,000	82,000	7,200	57,000	2,800	8,900	1,600	3,500	2,600	1,700	1,400	27,000	3,300	88,000	4,500
Benzopyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoperylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	520	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	380	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	200	200	ND	220	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	89	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

D

South

D'

North



Legend

- Sand
- Gravel
- Asphalt
- Concrete
- Topsoil
- Groundwater Well Screen

GP-1 = Geoprobe Soil Boring
ND = Non Detect
NA = Not Analyzed
ppb = parts per billion
PNAs = Polynuclear Aromatic Hydrocarbons
VOCs = Volatile Organic Compounds

- Sample Location with GCC and/or VIAP Exceedances
- Sample Location with no GCC or VIAP Exceedances

Scale
0' 5' 10' 15'

West State Street
120, 122, 126, 130, and 136 W. State St. and 115 Pine St. , Traverse City, Michigan

Figure 11: Central North-South Cross Section

Otwell Mawby, P.C.
Traverse City, Michigan

Date: 1/2/2024

Proj. No.: 20-369A

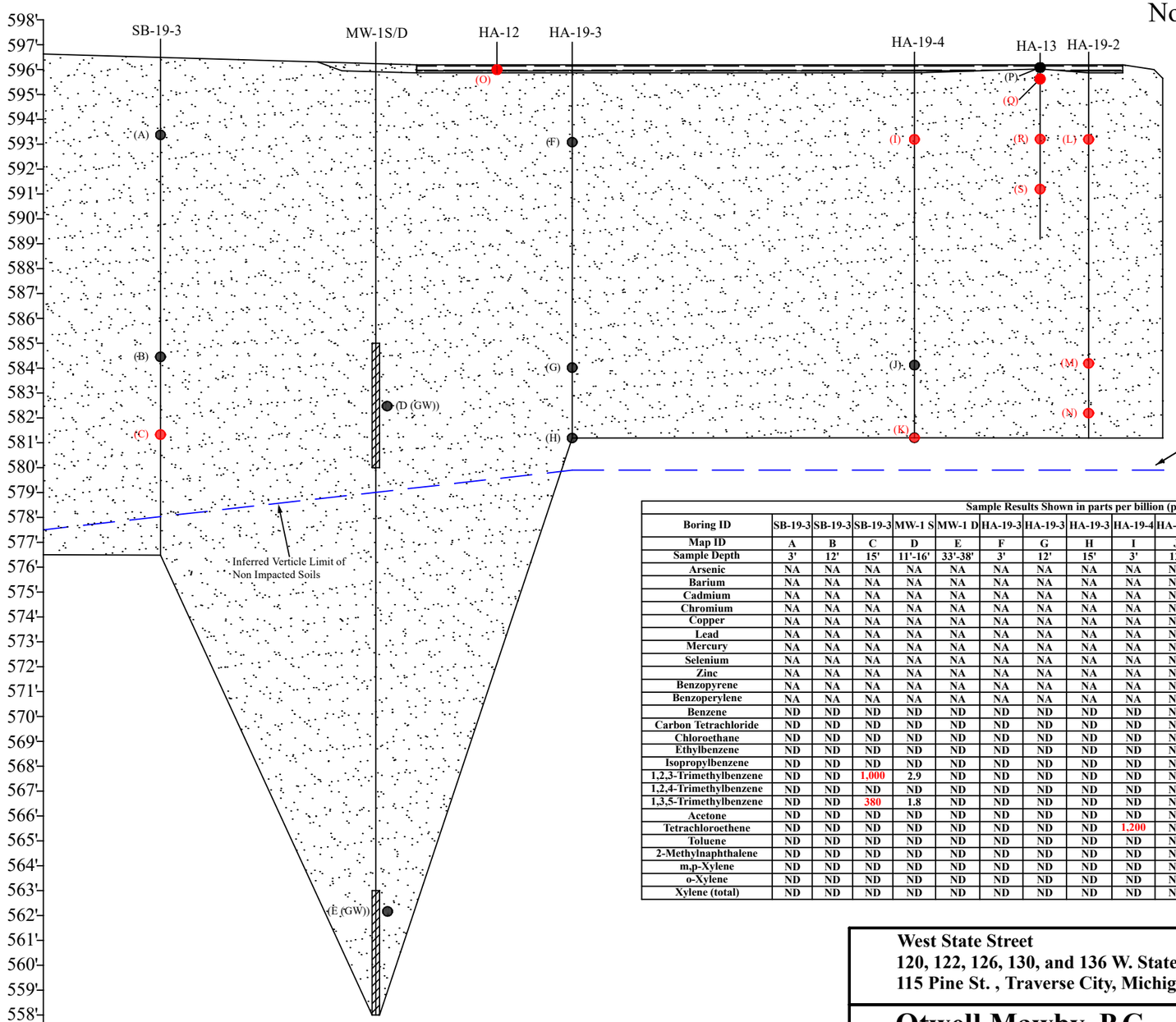
Scale:
Vertical Scale: 1" = 5'
Horizontal Scale: 1" = 15'

E

South

E'

North



Legend

- Sand
- Gravel
- Asphalt
- Concrete
- Topsoil
- Groundwater Well Screen

GP-1 = Geoprobe Soil Boring
HA-1 = Hand Auger Soil Boring
SB-19 = Soil Boring
MW-1 = Soil Boring where a Groundwater Monitoring Well was Installed
ND = Non Detect
NA = Not Analyzed

ppb = parts per billion
PNAs = Polynuclear Aromatic Hydrocarbons
VOCs = Volatile Organic Compounds
GW = Groundwater Sample Location

- Sample Location with GCC and/or VIAP Exceedances
- Sample Location with no GCC or VIAP Exceedances

Scale
0' 1' 2' 5'

Sample Results Shown in parts per billion (ppb (ug/Kg))

Boring ID	SB-19-3	SB-19-3	SB-19-3	MW-1 S	MW-1 D	HA-19-3	HA-19-3	HA-19-3	HA-19-4	HA-19-4	HA-19-4	HA-19-2	HA-19-2	HA-19-2	HA-12	HA-13	HA-13	HA-13	HA-13
Map ID	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Sample Depth	3'	12'	15'	11'-16'	33'-38'	3'	12'	15'	3'	12'	15'	3'	12'	14'	SLAB	SLAB	0.5'	3'	5'
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzopyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoperylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	ND	ND	1,000	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	380	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	1,200	ND	2,000	760	160	450	120	ND	1,600	290	240
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

West State Street
120, 122, 126, 130, and 136 W. State St. and 115 Pine St. , Traverse City, Michigan

Figure 12: Western North-South Cross Section

Otwell Mawby, P.C.
Traverse City, Michigan

Date: 1/2/2024

Proj. No.: 20-369A

Scale: Scale: 1" = 5'

TABLES

Table 1 – Soil Analytical Data Summary
(16 Pages)

Table 2 – Groundwater Analytical Data Summary
(1 Page)

Table 3 – Soil Gas Analytical Data Summary
(4 Pages)

Table 1
West State Street Properties
118-136 West State Street and 115 Pine Street
City of Traverse City, Grand Traverse County, Michigan
Otwell Mawby, P.C. Project Number: 20-393A
Soil Analytical Data Summary

Analyte - MI Metals	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-1 3.5' BGL 2/8/2021	GP-4 3.5' BGL 2/8/2021	GP-5 3.5' BGL 2/8/2021	GP-6 3.0' BGL 2/8/2021	GP-11 3.5' BGL 2/8/2021	GP-12 1.5' BGL 2/9/2021	GP-14 1.5' BGL 2/9/2021	GP-15 2.0' BGL 2/9/2021
Parcel Adress									124 W State	124 W State	124 W State	124 W State	124 W State	130 W State	130 W State	130 W State
Arsenic	7440382	5,800	4,600	4,600	7,600	NLV	NA	NA	4,000	2,600	ND	ND	ND	ND	ND	ND
Barium (B)	7440393	**75,000**	1,300,000	**G =290,000**	37,000,000	NLV	NA	NA	**78,000**	**120,000**	13,000	26,000	2,300	50,000	21,000	27,000
Cadmium (B)	7440639	**1,200**	6,000	**G=2,700, X**	550,000	NLV	NA	NA	**1,300**	**1,800**	ND	ND	ND	ND	200	200
Chromium (B,H)	16065831	18,000	1.0E+9 E	3,300	2,500,000	NLV	NA	NA	5,200	12,000	ND	ND	ND	ND	ND	ND
Copper	7440508	**32,000**	5,800,000	**G=52,000**	20,000,000	NLV	NA	NA	**37,000**	**75,000**	ND	1,200	ND	2,400	6,000	6,600
Lead (B)	7439921	**21,000**	700,000	G=2.5E+6, X	**400,000**	NLV	NA	NA	**220,000**	**490,000**	ND	ND	ND	ND	**31,000**	**34,000**
Mercury (B,Z)	Varies	130	1,700	50 (M); 1.2	160,000	48,000	**22 (M) nc**	790 nc	**71**	**100**	ND	ND	ND	ND	ND	ND
Selenium	7782492	410	4,000	400	2,600,000	NLV	NA	NA	360	ND	ND	ND	ND	ND	ND	ND
Zinc (B)	7440666	**47,000**	2,400,000	**G=120,000**	170,000,000	NLV	NA	NA	**160,000**	**180,000**	1,500	3,800	1,400	9,100	44,000	**50,000**
Other Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND
Analyte - PNAS																
Benzo(a)pyrene (Q)	65850	NA	NLL	NLL	2.00E+03	NLV	NA	NA	ND	510	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	191242	NA	NLL	NLL	2.50E+06	NLV	NA	NA	ND	580	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
Other PNAs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND
Analyte - VOCS																
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	9,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	**150 (JT) nc**	5,200 (JT) nc	**340**	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	**100 (JT) nc**	3,600 (JT) nc	**150**	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	100	1,200 (X)	2.0E+5 (C)	11,000	**6.2 (M) (EE) st**	150 (EE) st	ND	**86**	**84**	ND	ND	ND	ND	ND
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	110	140	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	350	400	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	**280 (J) nc**	9,9000 (J) nc	**350**	130	ND	ND	ND	ND	ND	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	**280 (J) nc**	9,9000 (J) nc	**210**	78	ND	ND	ND	ND	ND	ND
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	**280 (J) nc**	9,9000 (J) nc	**560**	210	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND
Analyte - Total Organic Carbon																
TOC	-	NA	NA	NA	NA	NA	NA	NA	NA	0.64%	NA	NA	0.048%	NA	0.21%	NA

Analyte - MI Metals	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-1 4.0' BGL 4/22/2021	GP-4 4.0' BGL 4/22/2021	GP-5 4.0' BGL 4/22/2021	GP-22 2.0' BGL 4/22/2021	GP-22 4.0' BGL 4/22/2021	GP-24 2.0' BGL 4/22/2021	GP-24 4.0' BGL 4/22/2021	GP-25 2.0' BGL 4/22/2021
Parcel Adress									124 W State	124 W State	124 W State	124 W State	124 W State	124 W State	124 W State	124 W State
Mercury (B,Z)	Varies	130	1,700	50 (M); 1.2	160,000	48,000	22 (M) nc	31 nc	ND	ND	ND	ND	ND	ND	ND	ND
Other Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	NA	NA	NA	NA	NA	NA	NA	NA
Analyte - VOCS																
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	9,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	**100**	1,200 (X)	2.0E+5 (C)	11,000	**6.2 (M) (EE) st**	150 (EE) st	ND	ND	ND	ND	ND	**150**	ND	**150**
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Results compared to EGLE Criteria Lookup Tables, June 25, 2018 and VIAP Screening Levels, dated September 4, 2020 (Rev. Feb 2024)

NC = No Criteria

= GCC AND/ Screening Level Exceedence

ND = Not Detected

BOLD Font w#thout shading indicates an exceedence of Background Criteria not GCC.

NA = Not Applicable or Not Analyzed

ID = Insufficient data to develop criterion.

B = Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

C = The criterion developed under R 299.20 to R 299.26 exceeds the chemical-specific soil saturation screening level (Csat). The person proposing or implementing response activity shall document whether additional response activity is required to control free-phase liquids or NAPL to protect against risks associated with free-phase liquids by using methods appropriate for the free-phase liquids present. Development of a site-specific Csat or methods presented in R 299.22, R 299.24(5), and R 299.26(8) may be conducted for the relevant exposure pathways.

ca = Carcinogenetic

DD = Hazardous substance causes developmental effects. Residential direct contact criteria are protective of both prenatal and postnatal exposure. Nonresidential direct contact criteria are protective for a pregnant adult receptor.

DD = Hazardous substance causes developmental effects. Residential VIAP screening levels are protective of both prenatal exposure using a pregnant female receptor and postnatal exposure using a child receptor. Nonresidential VIAP screening levels are protective of prenatal exposure using a pregnant female receptor. Prenatal developmental effects may occur after an acute (i.e. shortterm) or full-term exposure.

dev = Developmental

EE = The acceptable air concentration (AAC) for the volatile hazardous substances is not derived using standard equations. The hazardous substance may cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The AAC for these hazardous substances is the acute or intermediate minimum risk level (MRL) developed by the Agency for Toxic Substances and Disease Registry (ATSDR), a United States Environmental Protection Agency Integrated Risk Information System (IRIS) acute reference concentration, or an acute initial threshold screening level (ITSL) by the EGLE's Air Quality Division.

G = Groundwater surface water interface (GSI) criterion dependes on the pH or water hardness, or both, of the receiving surface water. A hardness value of 100 mg/L was used for the calculation (default for the Northern Michigan).

GG = Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and nonresidential land uses) was derived utilizing 25 percent of the lower explosive level for methane. This equates to 1.25 percent or 8.4E+6 ug/m3 .

H = Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 ug/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

I = Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of $45, from the Superintendent of Documents, Government Printing Office, Washington, DC 20401 (stock number 869-044- 00155-1), or from the DEQ, Remediation and Redevelopment Division (RRD), 525 West Allegan Street, Lansing, Michigan 48933, at cost.

J = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.

JT = Hazardous substance may be present in several isomer forms. The VIAP screening level may be used for the individual isomer provided that it is the sole isomer detected; however, when multiple isomers are detected in a medium, the isomer-specific concentrations must be added together and compared to the most restrictive VIAP screening level of the detected isomers.

M = Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

M = The VIAP screening level may be below target detection limits (TDL). In accordance with Sec. 20120a(10) when the TDL for a hazardous substance is greater than the developed VIAP screening level, the TDL is used to evaluate the risk posed from the pathway.

MM = Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-dependent adjustment factors for those carcinogenic chemicals identified as mutagenic.

mut = Mutagenic cancer

nc = Non-Carcinogenetic

NLV = means hazardous substance is not likely to volatilize under most conditions.

st = Short-term (i.e., less than chronic exposure)

X = The groundwater surface water interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.

Z = Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

Table 1
West State Street Properties
118-136 West State Street and 115 Pine Street
City of Traverse City, Grand Traverse County, Michigan
Otwell Mawby, P.C. Project Number: 20-393A
Soil Analytical Data Summary

Analyte - MI Metals	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-25 4.0' BGL 4/22/2021	GP-26 2.0' BGL 4/22/2021	GP-26 4.0' BGL 4/22/2021	GP-28 2.0' BGL 4/22/2021	GP-28 4.0' BGL 4/22/2021	GP-30 2.0' BGL 4/22/2021	GP-30 4.0' BGL 4/22/2021	GP-32 2.0' BGL 4/22/2021
Parcel Adress									124 W State	124 W State	124 W State	124 W State	124 W State	124 W State	124 W State	124 W State
Mercury (B,Z)	Varies	130	1,700	50 (M); 1.2	160,000	48,000	22 (M) nc	790 nc	NA	ND	ND	ND	ND	ND	ND	ND
Other Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	NA	NA	NA	NA	NA	NA	NA	NA
Analyte - VOCS																
Benzene (I)	71432	NA	**100**	4,000 (X)	1.80E+05	1.60E+03	**1.7 (M) ca**	**94 ca**	ND	ND	ND	ND	ND	ND	ND	**120**
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	100	1,200 (X)	2.0E+5 (C)	11,000	6.2 (M) (EE) st	150 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND	ND	610
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	**280 (J) nc**	9,9000 (J) nc	ND	ND	ND	ND	ND	ND	ND	**310**
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	**280 (J) nc**	9,9000 (J) nc	ND	ND	ND	ND	ND	ND	ND	**130**
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	**280 (J) nc**	9,9000 (J) nc	ND	ND	ND	ND	ND	ND	ND	**440**
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Analyte - MI Metals	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-32 4.0' BGL 4/22/2021	GP-33 2.0' BGL 4/22/2021	GP-33 4.0' BGL 4/22/2021	GP-34 2.0' BGL 4/22/2021	GP-36 6.0' BGL 4/22/2021	GP-37 2.0' BGL 4/22/2021	GP-37 4.0' BGL 4/22/2021	GP-46 3.0' BGL 4/22/2021
Parcel Adress									124 W State	124 W State	124 W State	124 W State	124 W State	124 W State	124 W State	124 W State
Mercury (B,Z)	Varies	130	1,700	50 (M); 1.2	160,000	48,000	22 (M) nc	790 nc	ND	NA	NA	ND	NA	NA	NA	NA
Other Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	NA	NA	NA	NA	NA	NA	NA	NA
Analyte - VOCS																
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NA	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	100	1,200 (X)	2.0E+5 (C)	11,000	**6.2 (M) (EE) st**	150 (EE) st	ND	**71**	ND	ND	ND	ND	ND	ND
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Analyte - MI Metals	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-34 4.0' BGL 4/22/2021	GP-36 2.0' BGL 4/22/2021	GP-36 4.0' BGL 4/22/2021	GP-38 1.0' BGL 4/22/2021	GP-38 3.0' BGL 4/22/2021	GP-39 1.0' BGL 4/22/2021	GP-39 3.0' BGL 4/22/2021	GP-40 1.0' BGL 4/22/2021
Parcel Adress									124 W State	124 W State	124 W State	124 W State	124 W State	124 W State	124 W State	124 W State
Mercury (B,Z)	Varies	**130**	1,700	**50 (M); 1.2**	160,000	48,000	**22 (M) nc**	790 nc	ND	ND	ND	**460**	ND	**66**	ND	ND
Other Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	NA	NA	NA	NA	NA	NA	NA	NA
Analyte - VOCS																
Acetone (I)	67641	NA	15,000	34,000	2.30E+07	2.9E+8 (C)	2.6E+05 (EE) st	3.1E+06 (EE) st	ND	ND	ND	ND	ND	1,300	ND	ND
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	100	1,200 (X)	2.0E+5 (C)	11,000	**6.2 (M) (EE) st**	150 (EE) st	ND	ND	**100**	ND	ND	ND	ND	ND
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	ND	53	ND	ND	ND	ND	ND	ND
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Results compared to EGLE Criteria Lookup Tables, June 25, 2018 and VIAP Screening Levels, dated September 4, 2020 (Rev. Feb 2024)

NC = No Criteria

= GCC AND/ Screening Level Exceedence

ND = Not Detected

BOLD Font w/thout shading indicates an exceedence of Background Criteria not GCC.

NA = Not Applicable or Not Analyzed

ID = Insufficient data to develop criterion.

B = Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

C = The criterion developed under R 299.20 to R 299.26 exceeds the chemical-specific soil saturation screening level (Csat). The person proposing or implementing response activity shall document whether additional response activity is required to control free-phase liquids or NAPL to protect against risks associated with free-phase liquids by using methods appropriate for the free-phase liquids present. Development of a site-specific Csat or methods presented in R 299.22, R 299.24(5), and R 299.26(8) may be conducted for the relevant exposure pathways.

ca = Carcinogenetic

DD = Hazardous substance causes developmental effects. Residential direct contact criteria are protective of both prenatal and postnatal exposure. Nonresidential direct contact criteria are protective for a pregnant adult receptor.

DD = Hazardous substance causes developmental effects. Residential VIAP screening levels are protective of both prenatal exposure using a pregnant female receptor and postnatal exposure using a child receptor. Nonresidential VIAP screening levels are protective of prenatal exposure using a pregnant female receptor. Prenatal developmental effects may occur after an acute (i.e. shortterm) or full-term exposure.

dev = Developmental

EE = The acceptable air concentration (AAC) for the volatile hazardous substances is not derived using standard equations. The hazardous substance may cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The AAC for these hazardous substances is the acute or intermediate minimum risk level (MRL) developed by the Agency for Toxic Substances and Disease Registry (ATSDR), a United States Environmental Protection Agency Integrated Risk Information System (IRIS) acute reference concentration, or an acute initial threshold screening level (ITSL) by the EGLE's Air Quality Division.

G = Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. A hardness value of 100 mg/L was used for the calculation (default for the Northern Michigan).

GG = Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and nonresidential land uses) was derived utilizing 25 percent of the lower explosive level for methane. This equates to 1.25 percent or 8.4E+6 ug/m3 .

H = Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 ug/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

I = Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of $45, from the Superintendent of Documents, Government Printing Office, Washington, DC 20401 (stock number 869-044- 00155-1), or from the DEQ, Remediation and Redevelopment Division (RRD), 525 West Allegan Street, Lansing, Michigan 48933, at cost.

J = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.

JT = Hazardous substance may be present in several isomer forms. The VIAP screening level may be used for the individual isomer provided that it is the sole isomer detected; however, when multiple isomers are detected in a medium, the isomer-specific concentrations must be added together and compared to the most restrictive VIAP screening level of the detected isomers.

M = Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

M = The VIAP screening level may be below target detection limits (TDL). In accordance with Sec. 20120a(10) when the TDL for a hazardous substance is greater than the developed VIAP screening level, the TDL is used to evaluate the risk posed from the pathway.

MM = Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-dependent adjustment factors for those carcinogenic chemicals identified as mutagenic.

mut = Mutagenic cancer

nc = Non-Carcinogenetic

NLV = means hazardous substance is not likely to volatilize under most conditions.

st = Short-term (i.e., less than chronic exposure).

X = The groundwater surface water interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.

Z = Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

Table 1
West State Street Properties
118-136 West State Street and 115 Pine Street
City of Traverse City, Grand Traverse County, Michigan
Otwell Mawby, P.C. Project Number: 20-393A
Soil Analytical Data Summary

Analyte - MI Metals	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-40 3.0' BGL 4/22/2021	GP-41 1.0' BGL 4/22/2021	GP-41 3.0' BGL 4/22/2021	GP-42 1.0' BGL 4/22/2021	GP-43 3.0' BGL 4/22/2021	GP-44 3.0' BGL 4/22/2021	GP-45 1.0' BGL 4/22/2021	GP-46 1.0' BGL 4/22/2021
Parcel Adress									124 W State	124 W State	124 W State	124 W State	124 W State	124 W State	124 W State	124 W State
Mercury (B,Z)	Varies	130	1,700	**50 (M); 1.2**	160,000	48,000	**22 (M) nc**	790 nc	ND	**53**	ND	ND	ND	ND	ND	ND
Other Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	NA	NA	NA	NA	NA	NA	NA	NA
Analyte - VOCS																
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	**100**	1,200 (X)	2.0E+5 (C)	11,000	**6.2 (M) (EE) st**	150 (EE) st	ND	ND	ND	ND	ND	ND	ND	**140**
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	280	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	ND	ND	ND	ND	ND	100	ND	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	ND	ND	ND	ND	ND	51	ND	ND
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	ND	ND	ND	ND	ND	150	ND	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Analyte - MI Metals	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-47 1.0' BGL 4/22/2021	GP-47 3.0' BGL 4/22/2021	GP-47 5.0' BGL 5/28/2021	GP-48 1.0' BGL 4/22/2021	GP-48 3.0' BGL 4/22/2021	GP-49 7.0' BGL 4/22/2021	GP-49 9.0' BGL 4/22/2021	GP-50 6.0' BGL 4/22/2021
Parcel Adress									124 W State	124 W State	124 W State	124 W State	124 W State	124 W State	124 W State	124 W State
Mercury (B,Z)	Varies	130	1,700	50 (M); 1.2	160,000	48,000	22 (M) nc	790 nc	ND	ND	NA	ND	ND	ND	ND	ND
Other Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	NA	NA	NA	NA	NA	NA	NA	NA
Analyte - VOCS																
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	**100**	1,200 (X)	2.0E+5 (C)	11,000	**6.2 (M) (EE) st**	**150 (EE) st**	**1,200**	**190**	ND	ND	ND	ND	ND	ND
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	55	ND	ND	ND	ND	ND	ND	ND
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Results compared to EGLE Criteria Lookup Tables, June 25, 2018 and VIAP Screening Levels, dated September 4, 2020 (Rev. Feb 2024)

NC = No Criteria

= GCC AND/ Screening Level Exceedence

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BOLD Font w/thout shading indicates an exceedence of Background Criteria not GCC.

NA = Not Applicable or Not Analyzed

ID = Insufficient data to develop criterion.

B = Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

C = The criterion developed under R 299.20 to R 299.26 exceeds the chemical-specific soil saturation screening level (Csat). The person proposing or implementing response activity shall document whether additional response activity is required to control free-phase liquids or NAPL to protect against risks associated with free-phase liquids by using methods appropriate for the free-phase liquids present. Development of a site-specific Csat or methods presented in R 299.22, R 299.24(5), and R 299.26(8) may be conducted for the relevant exposure pathways.

ca = Carcinogenetic

DD = Hazardous substance causes developmental effects. Residential direct contact criteria are protective of both prenatal and postnatal exposure. Nonresidential direct contact criteria are protective for a pregnant adult receptor.

DD = Hazardous substance causes developmental effects. Residential VIAP screening levels are protective of both prenatal exposure using a pregnant female receptor and postnatal exposure using a child receptor. Nonresidential VIAP screening levels are protective of prenatal exposure using a pregnant female receptor. Prenatal developmental effects may occur after an acute (i.e. shortterm) or full-term exposure.

dev = Developmental

EE = The acceptable air concentration (AAC) for the volatile hazardous substances is not derived using standard equations. The hazardous substance may cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The AAC for these hazardous substances is the acute or intermediate minimum risk level (MRL) developed by the Agency for Toxic Substances and Disease Registry (ATSDR), a United States Environmental Protection Agency Integrated Risk Information System (IRIS) acute reference concentration, or an acute initial threshold screening level (ITSL) by the EGLE's Air Quality Division.

G = Groundwater surface water interface (GSI) criterion dependes on the pH or water hardness, or both, of the receiving surface water. A hardness value of 100 mg/L was used for the calculation (default for the Northern Michigan).

GG = Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and nonresidential land uses) was derived utilizing 25 percent of the lower explosive level for methane. This equates to 1.25 percent or 8.4E+6 ug/m3 .

H = Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 ug/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

I = Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of $45, from the Superintendent of Documents, Government Printing Office, Washington, DC 20401 (stock number 869-044- 00155-1), or from the DEQ, Remediation and Redevelopment Division (RRD), 525 West Allegan Street, Lansing, Michigan 48933, at cost.

J = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.

JT = Hazardous substance may be present in several isomer forms. The VIAP screening level may be used for the individual isomer provided that it is the sole isomer detected; however, when multiple isomers are detected in a medium, the isomer-specific concentrations must be added together and compared to the most restrictive VIAP screening level of the detected isomers.

M = Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

M = The VIAP screening level may be below target detection limits (TDL). In accordance with Sec. 20120a(10) when the TDL for a hazardous substance is greater than the developed VIAP screening level, the TDL is used to evaluate the risk posed from the pathway.

MM = Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-dependent adjustment factors for those carcinogenic chemicals identified as mutagenic.

mut = Mutagenic cancer

nc = Non-Carcinogenetic

NLV = means hazardous substance is not likely to volatilize under most conditions.

st = Short-term (i.e., less than chronic exposure).

X = The groundwater surface water interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.

Z = Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

Table 1
West State Street Properties
118-136 West State Street and 115 Pine Street
City of Traverse City, Grand Traverse County, Michigan
Otwell Mawby, P.C. Project Number: 20-393A
Soil Analytical Data Summary

Analyte - MI Metals	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-50 8.0' BGL 4/22/2021	GP-51 5.0' BGL 4/22/2021	GP-51 7.0' BGL 4/22/2021	GP-52 3.0' BGL 4/22/2021	GP-52 5.0' BGL 4/22/2021	GP-53 2.0' BGL 5/28/2021	GP-53 4.0' BGL 5/28/2021	GP-54 2.0' BGL 5/28/2021
Parcel Adress									124 W State	124 W State	124 W State	124 W State	124 W State	124 W State	124 W State	124 W State
Mercury (B,Z)	Varies	130	1,700	50 (M); 1.2	160,000	48,000	22 (M) nc	790 nc	ND	ND	ND	ND	ND	NA	NA	NA
Other Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	NA	NA	NA	NA	NA	NA	NA	NA
Analyte - VOCS																
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	**1.7 (M) ca**	94 ca	ND	ND	ND	ND	ND	ND	ND	**91**
Chloroethane	75003	NA	8,600	22,000 (X)	2.6E+6 (C)	2.9E+6 (C)	330 nc	12,000 nc	ND	ND	320	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	**12 (M) ca**	680 ca	ND	ND	ND	ND	ND	ND	ND	**91**
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	100
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	**100**	**1,200 (X)**	2.0E+5 (C)	11,000	**6.2 (M) (EE) st**	**150 (EE) st**	ND	ND	ND	ND	ND	**72**	ND	**1,700**
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	130	ND	340
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	**280 (J) nc**	9,9000 (J) nc	ND	ND	ND	ND	ND	**110**	ND	**230**
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	**280 (J) nc**	9,9000 (J) nc	ND	ND	ND	ND	ND	**63**	ND	**190**
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	**280 (J) nc**	9,9000 (J) nc	ND	ND	ND	ND	ND	**170**	ND	**420**
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Analyte - MI Metals	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-54 4.0' BGL 5/28/2021	GP-55 2.0' BGL 5/28/2021	GP-55 3.0' BGL 5/28/2021	GP-56 2.0' BGL 5/28/2021	GP-56 4.0' BGL 5/28/2021	GP-57 2.0' BGL 5/28/2021	GP-57 4.0' BGL 5/28/2021	GP-58 2.0' BGL 5/28/2021
Parcel Adress									124 W State	124 W State	124 W State	124 W State	124 W State	124 W State	124 W State	124 W State
Mercury (B,Z)	Varies	130	1,700	50 (M); 1.2	160,000	48,000	22 (M) nc	790 nc	NA	NA	NA	NA	NA	NA	NA	NA
Other Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	NA	NA	NA	NA	NA	NA	NA	NA
Analyte - VOCS																
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	**1.7 (M) ca**	94 ca	ND	**53**	ND	ND	ND	ND	ND	ND
Chloroethane	75003	NA	8,600	22,000 (X)	2.6E+6 (C)	2.9E+6 (C)	330 nc	12,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	**100**	1,200 (X)	2.0E+5 (C)	11,000	**6.2 (M) (EE) st**	**150 (EE) st**	ND	**900**	**640**	ND	ND	ND	ND	**350**
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	300	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	**280 (J) nc**	9,9000 (J) nc	ND	**160**	ND	ND	ND	ND	ND	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	**280 (J) nc**	9,9000 (J) nc	ND	**89**	ND	ND	ND	ND	ND	56
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	**280 (J) nc**	9,9000 (J) nc	ND	**250**	ND	ND	ND	ND	ND	150
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Results compared to EGLE Criteria Lookup Tables, June 25, 2018 and VIAP Screening Levels, dated September 4, 2020 (Rev. Feb 2024)

NC = No Criteria

= GCC AND/ Screening Level Exceedence

ND = Not Detected

BOLD Font w/thout shading indicates an exceedence of Background Criteria not GCC.

NA = Not Applicable or Not Analyzed

ID = Insufficient data to develop criterion.

B = Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

C = The criterion developed under R 299.20 to R 299.26 exceeds the chemical-specific soil saturation screening level (Csat). The person proposing or implementing response activity shall document whether additional response activity is required to control free-phase liquids or NAPL to protect against risks associated with free-phase liquids by using methods appropriate for the free-phase liquids present. Development of a site-specific Csat or methods presented in R 299.22, R 299.24(5), and R 299.26(8) may be conducted for the relevant exposure pathways.

ca = Carcinogenetic

DD = Hazardous substance causes developmental effects. Residential direct contact criteria are protective of both prenatal and postnatal exposure. Nonresidential direct contact criteria are protective for a pregnant adult receptor.

DD = Hazardous substance causes developmental effects. Residential VIAP screening levels are protective of both prenatal exposure using a pregnant female receptor and postnatal exposure using a child receptor. Nonresidential VIAP screening levels are protective of prenatal exposure using a pregnant female receptor. Prenatal developmental effects may occur after an acute (i.e. shortterm) or full-term exposure.

dev = Developmental

EE = The acceptable air concentration (AAC) for the volatile hazardous substances is not derived using standard equations. The hazardous substance may cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The AAC for these hazardous substances is the acute or intermediate minimum risk level (MRL) developed by the Agency for Toxic Substances and Disease Registry (ATSDR), a United States Environmental Protection Agency Integrated Risk Information System (IRIS) acute reference concentration, or an acute initial threshold screening level (ITSL) by the EGLE's Air Quality Division.

G = Groundwater surface water interface (GSI) criterion dependes on the pH or water hardness, or both, of the receiving surface water. A hardness value of 100 mg/L was used for the calculation (default for the Northern Nichigan).

GG = Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and nonresidential land uses) was derived utilizing 25 percent of the lower explosive level for methane. This equates to 1.25 percent or 8.4E+6 ug/m3 .

H = Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 ug/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

I = Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of $45, from the Superintendent of Documents, Government Printing Office, Washington, DC 20401 (stock number 869-044- 00155-1), or from the DEQ, Remediation and Redevelopment Division (RRD), 525 West Allegan Street, Lansing, Michigan 48933, at cost.

J = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.

JT = Hazardous substance may be present in several isomer forms. The VIAP screening level may be used for the individual isomer provided that it is the sole isomer detected; however, when multiple isomers are detected in a medium, the isomer-specific concentrations must be added together and compared to the most restrictive VIAP screening level of the detected isomers.

M = Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

M = The VIAP screening level may be below target detection limits (TDL). In accordance with Sec. 20120a(10) when the TDL for a hazardous substance is greater than the developed VIAP screening level, the TDL is used to evaluate the risk posed from the pathway.

MM = Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-dependent adjustment factors for those carcinogenic chemicals identified as mutagenic.

mut = Mutagenic cancer

nc = Non-Carcinogenetic

NLV = means hazardous substance is not likely to volatilize under most conditions.

st = Short-term (i.e., less than chronic exposure).

X = The groundwater surface water interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.

Z = Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

Table 1
West State Street Properties
118-136 West State Street and 115 Pine Street
City of Traverse City, Grand Traverse County, Michigan
Otwell Mawby, P.C. Project Number: 20-393A
Soil Analytical Data Summary

Analyte - MI Metals	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-58 4.0' BGL 5/28/2021	GP-59 2.0' BGL 5/28/2021	GP-59 4.0' BGL 5/28/2021	GP-60 2.0' BGL 5/28/2021	GP-60 4.0' BGL 5/28/2021	GP-61 1.0' BGL 5/28/2021	GP-61 3.0' BGL 5/28/2021	GP-62 1.0' BGL 5/28/2021
Parcel Adress									124 W State	124 W State	124 W State	124 W State	124 W State	124 W State	124 W State	124 W State
Mercury (B,Z)	Varies	130	1,700	50 (M); 1.2	160,000	48,000	22 (M) nc	790 nc	NA	NA	NA	NA	NA	ND	ND	ND
Other Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	NA	NA	NA	NA	NA	NA	NA	NA
Analyte - VOCS																
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	NA	NA	NA
Chloroethane	75003	NA	8,600	22,000 (X)	2.6E+6 (C)	2.9E+6 (C)	330 nc	12,000 nc	ND	ND	ND	ND	ND	NA	NA	NA
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	NA	NA	NA
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	NA	NA	NA
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	NA	NA	NA
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	NA	NA	NA
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	NA	NA	NA
Tetrachloroethene	127184	NA	100	1,200 (X)	2.0E+5 (C)	11,000	6.2 (M) (EE) st	150 (EE) st	ND	ND	ND	ND	ND	NA	NA	NA
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	NA	NA	NA
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	NA	NA	NA
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	NA	NA	NA
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	NA	NA	NA
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	ND	ND	ND	ND	ND	NA	NA	NA
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	ND	ND	ND	ND	ND	NA	NA	NA
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	ND	ND	ND	ND	ND	NA	NA	NA
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	NA	NA	NA

Analyte - MI Metals	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-62 3.0' BGL 5/28/2021	GP-63 1.0' BGL 5/28/2021	GP-63 3.0' BGL 5/28/2021	GP-64 1.0' BGL 5/28/2021	GP-64 3.0' BGL 5/28/2021	GP-65 1.0' BGL 5/28/2021	GP-65 3.0' BGL 5/28/2021	GP-66 2.0' BGL 5/28/2021
Parcel Adress									124 W State	124 W State	124 W State	124 W State	124 W State	124 W State	124 W State	124 W State
Mercury (B,Z)	Varies	130	1,700	50 (M); 1.2	160,000	48,000	22 (M) nc	790 nc	ND	ND	ND	ND	ND	ND	ND	NA
Other Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	NA	NA	NA	NA	NA	NA	NA	NA
Analyte - VOCS																
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	NA	NA	NA	NA	NA	NA	NA	ND
Chloroethane	75003	NA	8,600	22,000 (X)	2.6E+6 (C)	2.9E+6 (C)	330 nc	12,000 nc	NA	NA	NA	NA	NA	NA	NA	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	NA	NA	NA	NA	NA	NA	NA	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	NA	NA	NA	NA	NA	NA	NA	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	NA	NA	NA	NA	NA	NA	NA	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	NA	NA	NA	NA	NA	NA	NA	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	NA	NA	NA	NA	NA	NA	NA	ND
Tetrachloroethene	127184	NA	100	1,200 (X)	2.0E+5 (C)	11,000	6.2 (M) (EE) st	150 (EE) st	NA	NA	NA	NA	NA	NA	NA	ND
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	NA	NA	NA	NA	NA	NA	NA	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	NA	NA	NA	NA	NA	NA	NA	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	NA	NA	NA	NA	NA	NA	NA	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	NA	NA	NA	NA	NA	NA	NA	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	NA	NA	NA	NA	NA	NA	NA	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	NA	NA	NA	NA	NA	NA	NA	ND
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	NA	NA	NA	NA	NA	NA	NA	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	NA	NA	NA	NA	NA	NA	NA	ND

Notes:

Results compared to EGLE Criteria Lookup Tables, June 25, 2018 and VIAP Screening Levels, dated September 4, 2020 (Rev. Feb 2024)

NC = No Criteria

= GCC AND/ Screening Level Exceedence

ND = Not Detected

BOLD Font w/thout shading indicates an exceedence of Background Criteria not GCC.

NA = Not Applicable or Not Analyzed

ID = Insufficient data to develop criterion.

B = Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

C = The criterion developed under R 299.20 to R 299.26 exceeds the chemical-specific soil saturation screening level (Csat). The person proposing or implementing response activity shall document whether additional response activity is required to control free-phase liquids or NAPL to protect against risks associated with free-phase liquids by using methods appropriate for the free-phase liquids present. Development of a site-specific Csat or methods presented in R 299.22, R 299.24(5), and R 299.26(8) may be conducted for the relevant exposure pathways.

ca = Carcinogenetic

DD = Hazardous substance causes developmental effects. Residential direct contact criteria are protective of both prenatal and postnatal exposure. Nonresidential direct contact criteria are protective for a pregnant adult receptor.

DD = Hazardous substance causes developmental effects. Residential VIAP screening levels are protective of both prenatal exposure using a pregnant female receptor and postnatal exposure using a child receptor. Nonresidential VIAP screening levels are protective of prenatal exposure using a pregnant female receptor. Prenatal developmental effects may occur after an acute (i.e. shortterm) or full-term exposure.

dev = Developmental

EE = The acceptable air concentration (AAC) for the volatile hazardous substances is not derived using standard equations. The hazardous substance may cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The AAC for these hazardous substances is the acute or intermediate minimum risk level (MRL) developed by the Agency for Toxic Substances and Disease Registry (ATSDR), a United States Environmental Protection Agency Integrated Risk Information System (IRIS) acute reference concentration, or an acute initial threshold screening level (ITSL) by the EGLE's Air Quality Division.

G = Groundwater surface water interface (GSI) criterion dependes on the pH or water hardness, or both, of the receiving surface water. A hardness value of 100 mg/L was used for the calculation (default for the Northern Nichigan).

GG = Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and nonresidential land uses) was derived utilizing 25 percent of the lower explosive level for methane. This equates to 1.25 percent or 8.4E+6 ug/m3 .

H = Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 ug/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

I = Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of $45, from the Superintendent of Documents, Government Printing Office, Washington, DC 20401 (stock number 869-044- 00155-1), or from the DEQ, Remediation and Redevelopment Division (RRD), 525 West Allegan Street, Lansing, Michigan 48933, at cost.

J = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.

JT = Hazardous substance may be present in several isomer forms. The VIAP screening level may be used for the individual isomer provided that it is the sole isomer detected; however, when multiple isomers are detected in a medium, the isomer-specific concentrations must be added together and compared to the most restrictive VIAP screening level of the detected isomers.

M = Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

M = The VIAP screening level may be below target detection limits (TDL). In accordance with Sec. 20120a(10) when the TDL for a hazardous substance is greater than the developed VIAP screening level, the TDL is used to evaluate the risk posed from the pathway.

MM = Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-dependent adjustment factors for those carcinogenic chemicals identified as mutagenic.

mut = Mutagenic cancer

nc = Non-Carcinogenetic

NLV = means hazardous substance is not likely to volatilize under most conditions.

st = Short-term (i.e., less than chronic exposure).

X = The groundwater surface water interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.

Z = Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

Table 1
West State Street Properties
118-136 West State Street and 115 Pine Street
City of Traverse City, Grand Traverse County, Michigan
Otwell Mawby, P.C. Project Number: 20-393A
Soil Analytical Data Summary

Analyte - MI Metals	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-66 4.0' BGL 5/28/2021	GP-67 2.0' BGL 5/28/2021	GP-67 4.0' BGL 5/28/2021	GP-68 2.0' BGL 5/28/2021	GP-68 4.0' BGL 5/28/2021			
Parcel Adress									124 W State	124 W State	124 W State	124 W State	124 W State			
Mercury (B,Z)	Varies	130	1,700	50 (M); 1.2	160,000	48,000	22 (M) nc	790 nc	NA	NA	NA	NA	NA			
Other Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	NA	NA	NA	NA	NA			
Analyte - VOCS																
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND			
Chloroethane	75003	NA	8,600	22,000 (X)	2.6E+6 (C)	2.9E+6 (C)	330 nc	12,000 nc	ND	ND	ND	ND	ND			
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND			
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND			
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND			
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND			
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND			
Tetrachloroethene	127184	NA	100	1,200 (X)	2.0E+5 (C)	11,000	6.2 (M) (EE) st	150 (EE) st	ND	ND	ND	ND	ND			
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND			
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND			
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND			
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND			
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	ND	ND	ND	ND	ND			
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	ND	ND	ND	ND	ND			
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,9000 (J) nc	ND	ND	ND	ND	ND			
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND			

Notes:

Results compared to EGLE Criteria Lookup Tables, June 25, 2018 and VIAP Screening Levels, dated September 4, 2020 (Rev. Feb 2024)

NC = No Criteria

= GCC AND/ Screening Level Exceedence

ND = Not Detected

BOLD Font w/thout shading indicates an exceedence of Background Criteria not GCC.

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C = The criterion developed under R 299.20 to R 299.26 exceeds the chemical-specific soil saturation screening level (Csat). The person proposing or implementing response activity shall document whether additional response activity is required to control free-phase liquids or NAPL to protect against risks associated with free-phase liquids by using methods appropriate for the free-phase liquids present. Development of a site-specific Csat or methods presented in R 299.22, R 299.24(5), and R 299.26(B) may be conducted for the relevant exposure pathways.

ca = Carcinogenetic

DD = Hazardous substance causes developmental effects. Residential direct contact criteria are protective of both prenatal and postnatal exposure. Nonresidential direct contact criteria are protective for a pregnant adult receptor.

DD = Hazardous substance causes developmental effects. Residential VIAP screening levels are protective of both prenatal exposure using a pregnant female receptor and postnatal exposure using a child receptor. Nonresidential VIAP screening levels are protective of prenatal exposure using a pregnant female receptor. Prenatal developmental effects may occur after an acute (i.e. shortterm) or full-term exposure.

dev = Developmental

EE = The acceptable air concentration (AAC) for the volatile hazardous substances is not derived using standard equations. The hazardous substance may cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The AAC for these hazardous substances is the acute or intermediate minimum risk level (MRL) developed by the Agency for Toxic Substances and Disease Registry (ATSDR), a United States Environmental Protection Agency Integrated Risk Information System (IRIS) acute reference concentration, or an acute initial threshold screening level (ITSL) by the EGLE's Air Quality Division.

G = Groundwater surface water interface (GSI) criterion dependes on the pH or water hardness, or both, of the receiving surface water. A hardness value of 100 mg/L was used for the calculation (default for the Northern Nichigan).

GG = Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and nonresidential land uses) was derived utilizing 25 percent of the lower explosive level for methane. This equates to 1.25 percent or 8.4E+6 ug/m3 .

H = Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 ug/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

I = Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of $45, from the Superintendent of Documents, Government Printing Office, Washington, DC 20401 (stock number 869-044- 00155-1), or from the DEQ, Remediation and Redevelopment Division (RRD), 525 West Allegan Street, Lansing, Michigan 48933, at cost.

J = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.

JT = Hazardous substance may be present in several isomer forms. The VIAP screening level may be used for the individual isomer provided that it is the sole isomer detected; however, when multiple isomers are detected in a medium, the isomer-specific concentrations must be added together and compared to the most restrictive VIAP screening level of the detected isomers.

M = Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

M = The VIAP screening level may be below target detection limits (TDL). In accordance with Sec. 20120a(10) when the TDL for a hazardous substance is greater than the developed VIAP screening level, the TDL is used to evaluate the risk posed from the pathway.

MM = Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-dependent adjustment factors for those carcinogenic chemicals identified as mutagenic.

mut = Mutagenic cancer

nc = Non-Carcinogenetic

NLV = means hazardous substance is not likely to volatilize under most conditions.

st = Short-term (i.e., less than chronic exposure).

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Otwell Mawby, P.C. Project Number: 20-393A
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Parcel Adress									120 W State	120 W State	122 W State	122 W State	122 W State	122 W State	122 W State	122 W State
Arsenic	7440382	**5,800**	**4,600**	**4,600**	7,600	NLV	NA	NA	2,200	ND	ND	ND	ND	ND	**7,300**	ND
Barium (B)	7440393	**75,000**	1,300,000	G =290,000	37,000,000	NLV	NA	NA	26,000	5,000	12,000	1,300	19,000	1,800	**140,000**	2,100
Cadmium (B)	7440639	1,200	6,000	G=2,700, X	550,000	NLV	NA	NA	720	ND	ND	ND	340	ND	ND	ND
Chromium (B,H)	16065831	**18,000**	1.0E+9 E	**3,300**	2,500,000	NLV	NA	NA	2,600	ND	ND	ND	2,300	ND	**28,000**	ND
Copper	7440508	**32,000**	5,800,000	**G=52,000**	20,000,000	NLV	NA	NA	16,000	ND	2,100	ND	8,000	ND	**110,000**	1,200
Lead (B)	7439921	**21,000**	700,000	G=2.5E+6, X	**400,000**	NLV	NA	NA	**91,000**	ND	ND	ND	**51,000**	ND	**420,000**	ND
Mercury (B,Z)	Varies	**130**	1,700	**50 (M); 1.2**	160,000	48,000	**22 (M) nc**	790 nc	**57**	ND	ND	ND	**250**	ND	**570**	ND
Selenium	7782492	410	4,000	400	2,600,000	NLV	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Zinc (B)	7440666	**47,000**	2,400,000	**G=120,000**	170,000,000	NLV	NA	NA	**62,000**	4,900	4,800	2,000	**73,000**	4,000	**400,000**	4,800
Other Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND
Analyte - PNAS																
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	410	ND	ND	ND
Acenaphthene	83329	NA	300,000	8,700	4.10E+07	1.90E+08	2.0E+5 nc	21,000 nc	ND	ND	ND	ND	480	ND	ND	ND
Anthracene	120127	NA	41,000	ID	2.30E+08	1.0E+9 (D)	1.3E+7 nc	4.4E+08 nc	ND	ND	ND	ND	1,000	ND	ND	ND
Benzo(a)anthracene (Q)	56553	NA	NLL	NLL	20,000	NLV	1.6E+5 (MM) mut	2.2E+07 ca	ND	ND	ND	ND	2,100	ND	390	ND
Benzo(a)pyrene (Q)	65850	NA	NLL	NLL	2,000	NLV	NA	NA	ND	ND	ND	ND	1,500	ND	380	ND
Benzo(b)fluoranthene (Q)	205992	NA	NLL	NLL	20,000	ID	NA	NA	ND	ND	ND	ND	2,000	ND	510	ND
Benzo(g,h,i)perylene	191242	NA	NLL	NLL	2.50E+06	NLV	NA	NA	ND	ND	ND	ND	560	ND	ND	ND
Benzo(k)fluoranthene (Q)	207089	NA	NLL	NLL	2.00E+05	NLV	NA	NA	ND	ND	ND	ND	790	ND	ND	ND
Chrysene (Q)	218019	NA	NLL	NLL	2.00E+06	ID	NA	NA	ND	ND	ND	ND	2,600	ND	510	ND
Fluoranthene	206440	NA	7.30E+05	**5,500**	4.60E+07	1.0E+9 (D)	NA	NA	ND	ND	ND	ND	**7,000**	ND	1,500	ND
Fluorene	86737	NA	3.90E+05	5,300	2.70E+07	5.80E+08	4.7E+5 nc	1.7E+07 nc	ND	ND	ND	ND	760	ND	ND	ND
Indeno(1,2,3-cd) pyrene (Q)	193395	NA	NLL	NLL	20,000	NLV	NA	NA	ND	ND	ND	ND	820	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	**67 (M) ca**	3,800 ca	ND	ND	ND	ND	**570**	ND	ND	ND
Phenanthrene	85018	NA	56,000	**2,100**	1.60E+06	2.80E+06	**1,700 nc**	58,000 nc	ND	ND	ND	ND	**7,900**	ND	1,300	ND
Pyrene	129000	NA	4.80E+05	ID	2.90E+07	1.0E+9 (D)	2.5E+7 nc	8.8E+08 nc	ND	ND	ND	ND	5,500	ND	820	ND
Other PNAs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND
Analyte - VOCS																
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	**100**	1,200 (X)	2.0E+5 (C)	11,000	**6.2 (M) (EE) st**	**150 (EE) st**	**130**	ND	**110**	ND	**220**	ND	ND	ND
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	380	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	**67 (M) ca**	3,800 ca	ND	ND	ND	ND	**420**	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

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Parcel Adress									122 W State	122 W State	126 W State	126 W State	126 W State	126 W State	126 W State	126 W State
Arsenic	7440382	5,800	4,600	4,600	7,600	NLV	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Barium (B)	7440393	75,000	1,300,000	G =290,000	37,000,000	NLV	NA	NA	64,000	3,400	11,000	2,900	1,400	2,900	4,400	2,200
Cadmium (B)	7440639	1,200	6,000	G=2,700, X	550,000	NLV	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Chromium (B,H)	16065831	18,000	1.0E+9 E	3,300	2,500,000	NLV	NA	NA	ND	2,800	ND	ND	ND	ND	ND	ND
Copper	7440508	32,000	5,800,000	G=52,000	20,000,000	NLV	NA	NA	25,000	ND	1,300	ND	ND	ND	ND	ND
Lead (B)	7439921	**21,000**	700,000	G=2.5E+6, X	400,000	NLV	NA	NA	**280,000**	ND	ND	ND	ND	ND	ND	ND
Mercury (B,Z)	Varies	130	1,700	50 (M); 1.2	160,000	48,000	22 (M) nc	790 nc	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	7782492	410	4,000	400	2,600,000	NLV	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Zinc (B)	7440666	**47,000**	2,400,000	**G=120,000**	170,000,000	NLV	NA	NA	**240,000**	3,200	6,100	1,700	ND	1,800	1,000	5,000
Other Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND
Analyte - PNAS																
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	83329	NA	300,000	8,700	4.10E+07	1.90E+08	2.0E+5 nc	21,000 nc	590	ND	ND	ND	ND	ND	ND	ND
Anthracene	120127	NA	41,000	ID	2.30E+08	1.0E+9 (D)	1.3E+7 nc	4.4E+08 nc	1,400	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene (Q)	56553	NA	NLL	NLL	20,000	NLV	1.6E+5 (MM) mut	2.2E+07 ca	4,000	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene (Q)	65850	NA	NLL	NLL	**2,000**	NLV	NA	NA	**3,200**	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene (Q)	205992	NA	NLL	NLL	20,000	ID	NA	NA	3,900	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	191242	NA	NLL	NLL	2.50E+06	NLV	NA	NA	1,200	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene (Q)	207089	NA	NLL	NLL	2.00E+05	NLV	NA	NA	1,200	ND	ND	ND	ND	ND	ND	ND
Chrysene (Q)	218019	NA	NLL	NLL	2.00E+06	ID	NA	NA	4,000	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	206440	NA	7.30E+05	**5,500**	4.60E+07	1.0E+9 (D)	NA	NA	**11,000**	ND	ND	ND	ND	ND	ND	ND
Fluorene	86737	NA	3.90E+05	5,300	2.70E+07	5.80E+08	4.7E+5 nc	1.7E+07 nc	360	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene (Q)	193395	NA	NLL	NLL	20,000	NLV	NA	NA	1,700	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	85018	NA	56,000	**2,100**	1.60E+06	2.80E+06	**1,700 nc**	58,000 nc	**4,800**	ND	ND	ND	ND	ND	ND	ND
Pyrene	129000	NA	4.80E+05	ID	2.90E+07	1.0E+9 (D)	2.5E+7 nc	8.8E+08 nc	9,200	ND	ND	ND	ND	ND	ND	ND
Other PNAs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND
Analyte - VOCS																
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	100	1,200 (X)	2.0E+5 (C)	11,000	6.2 (M) (EE) st	150 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Results compared to EGLE Criteria Lookup Tables, June 25, 2018 and VIAP Screening Levels, dated September 4, 2020 (Rev. Feb 2024)

NC = No Criteria

= **GCC AND/ Screening Level Exceedence**

ND = Not Detected

BOLD Font w/thout shading indicates an exceedence of Background Criteria not GCC.

NA = Not Applicable or Not Analyzed

ID = Insufficient data to develop criterion.

B = Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

C = The criterion developed under R 299.20 to R 299.26 exceeds the chemical-specific soil saturation screening level (Csat). The person proposing or implementing response activity shall document whether additional response activity is required to control free-phase liquids or NAPL to protect against risks associated with free-phase liquids by using methods appropriate for the free-phase liquids present. Development of a site-specific Csat or methods presented in R 299.22, R 299.24(5), and R 299.26(8) may be conducted for the relevant exposure pathways.

ca = Carcinogenetic

DD = Hazardous substance causes developmental effects. Residential direct contact criteria are protective of both prenatal and postnatal exposure. Nonresidential direct contact criteria are protective for a pregnant adult receptor.

DD = Hazardous substance causes developmental effects. Residential VIAP screening levels are protective of both prenatal exposure using a pregnant female receptor and postnatal exposure using a child receptor. Nonresidential VIAP screening levels are protective of prenatal exposure using a pregnant female receptor. Prenatal developmental effects may occur after an acute (i.e. shortterm) or full-term exposure.

dev = Developmental

EE = The acceptable air concentration (AAC) for the volatile hazardous substances is not derived using standard equations. The hazardous substance may cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The AAC for these hazardous substances is the acute or intermediate minimum risk level (MRL) developed by the Agency for Toxic Substances and Disease Registry (ATSDR), a United States Environmental Protection Agency Integrated Risk Information System (IRIS) acute reference concentration, or an acute initial threshold screening level (ITSL) by the EGLE's Air Quality Division.

G = Groundwater surface water interface (GSI) criterion dependes on the pH or water hardness, or both, of the receiving surface water. A hardness value of 100 mg/L was used for the calculation (default for the Northern Nichigan).

GG = Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and nonresidential land uses) was derived utilizing 25 percent of the lower explosive level for methane. This equates to 1.25 percent or 8.4E+6 ug/m3 .

H = Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 ug/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

I = Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of $45, from the Superintendent of Documents, Government Printing Office, Washington, DC 20401 (stock number 869-044- 00155-1), or from the DEQ, Remediation and Redevelopment Division (RRD), 525 West Allegan Street, Lansing, Michigan 48933, at cost.

J = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.

JT = Hazardous substance may be present in several isomer forms. The VIAP screening level may be used for the individual isomer provided that it is the sole isomer detected; however, when multiple isomers are detected in a medium, the isomer-specific concentrations must be added together and compared to the most restrictive VIAP screening level of the detected isomers.

M = Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

M = The VIAP screening level may be below target detection limits (TDL). In accordance with Sec. 20120a(10) when the TDL for a hazardous substance is greater than the developed VIAP screening level, the TDL is used to evaluate the risk posed from the pathway.

MM = Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-dependent adjustment factors for those carcinogenic chemicals identified as mutagenic.

mut = Mutagenic cancer

nc = Non-Carcinogenetic

NLV = means hazardous substance is not likely to volatilize under most conditions.

st = Short-term (i.e., less than chronic exposure).

X = The groundwater surface water interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.

Z = Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

Table 1
West State Street Properties
118-136 West State Street and 115 Pine Street
City of Traverse City, Grand Traverse County, Michigan
Otwell Mawby, P.C. Project Number: 20-393A
Soil Analytical Data Summary

Analyte - MI Metals	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-78 2.5' BGL 11/1/2023	GP-78 4.0' BGL 11/1/2023	GP-79 2.0' BGL 11/2/2023	GP-79 4.0' BGL 11/2/2023	GP-80 3.0' BGL 11/2/2023	GP-80 6.0' BGL 11/2/2023	GP-81 1.5' BGL 11/2/2023	GP-81 4.0' BGL 11/2/2023
Parcel Adress									126 W State	126 W State	130 W State	130 W State	130 W State	130 W State	130 W State	130 W State
Arsenic	7440382	5,800	4,600	4,600	7,600	NLV	NA	NA	2,000	ND	ND	ND	ND	ND	ND	ND
Barium (B)	7440393	**75,000**	1,300,000	G =290,000	37,000,000	NLV	NA	NA	**280,000**	1,700	2,100	2,300	7,400	2,900	27,000	2,500
Cadmium (B)	7440639	**1,200**	6,000	G=2,700, X	550,000	NLV	NA	NA	**2,500**	ND	ND	ND	ND	ND	320	ND
Chromium (B,H)	16065831	18,000	1.0E+9 E	3,300	2,500,000	NLV	NA	NA	3,700	ND	ND	ND	ND	ND	2,500	2,100
Copper	7440508	**32,000**	5,800,000	G=52,000	20,000,000	NLV	NA	NA	**34,000**	ND	ND	ND	ND	ND	7,700	ND
Lead (B)	7439921	**21,000**	700,000	G=2.5E+6, X	400,000	NLV	NA	NA	**290,000**	ND	ND	ND	ND	ND	**110,000**	ND
Mercury (B,Z)	Varies	130	1,700	**50 (M); 1.2**	160,000	48,000	**22 (M) nc**	790 nc	ND	ND	ND	ND	ND	ND	**84**	ND
Selenium	7782492	**410**	4,000	**400**	2,600,000	NLV	NA	NA	**690**	ND	ND	ND	ND	ND	ND	ND
Zinc (B)	7440666	**47,000**	2,400,000	**G=120,000**	170,000,000	NLV	NA	NA	**320,000**	4,800	1,700	1,400	8,900	1,600	**57,000**	2,800
Other Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND
Analyte - PNAS																
Benzo(a)pyrene (Q)	65850	NA	NLL	NLL	2.00E+03	NLV	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	191242	NA	NLL	NLL	2.50E+06	NLV	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	206440	NA	7.30E+05	5,500	4.60E+07	1.0E+9 (D)	NA	NA	ND	ND	ND	ND	ND	ND	520	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	129000	NA	4.80E+05	ID	2.90E+07	1.0E+9 (D)	2.5E+7 nc	8.8E+08 nc	ND	ND	ND	ND	ND	ND	380	ND
Other PNAs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND
Analyte - VOCS																
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	100	1,200 (X)	2.0E+5 (C)	11,000	6.2 (M) (EE) st	150 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Analyte - MI Metals	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-82 1.5' BGL 11/2/2023	GP-82 4.0' BGL 11/2/2023	GP-83 2.0' BGL 11/2/2023	GP-83 5.0' BGL 11/2/2023	GP-84 1.5' BGL 11/2/2023	GP-84 4.0' BGL 11/2/2023	GP-85 1.0' BGL 11/2/2023	GP-85 3.0' BGL 11/2/2023
Parcel Adress									130 W State	130 W State	130 W State	130 W State	130 W State	130 W State	130 W State	130 W State
Arsenic	7440382	5,800	4,600	4,600	7,600	NLV	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Barium (B)	7440393	75,000	1,300,000	G =290,000	37,000,000	NLV	NA	NA	1,900	2,500	5,100	8,500	3,600	2,100	17,000	3,100
Cadmium (B)	7440639	1,200	6,000	G=2,700, X	550,000	NLV	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Chromium (B,H)	16065831	18,000	1.0E+9 E	3,300	2,500,000	NLV	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Copper	7440508	32,000	5,800,000	G=52,000	20,000,000	NLV	NA	NA	ND	ND	ND	ND	ND	ND	5,000	ND
Lead (B)	7439921	**21,000**	700,000	G=2.5E+6, X	400,000	NLV	NA	NA	ND	ND	ND	ND	ND	ND	**28,000**	ND
Mercury (B,Z)	Varies	130	1,700	50 (M); 1.2	160,000	48,000	22 (M) nc	790 nc	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	7782492	410	4,000	400	2,600,000	NLV	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Zinc (B)	7440666	47,000	2,400,000	G=120,000	170,000,000	NLV	NA	NA	ND	2,200	3,500	2,600	1,100	3,500	29,000	2,300
Other Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND
Analyte - PNAS																
Benzo(a)pyrene (Q)	65850	NA	NLL	NLL	2.00E+03	NLV	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	191242	NA	NLL	NLL	2.50E+06	NLV	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
Other PNAs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND
Analyte - VOCS																
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	100	1,200 (X)	2.0E+5 (C)	11,000	**6.2 (M) (EE) st**	150 (EE) st	ND	ND	ND	ND	**100**	ND	**53**	ND
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	**280 (J) nc**	9,900 (J) nc	ND	ND	ND	ND	ND	ND	**180**	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	**280 (J) nc**	9,900 (J) nc	ND	ND	ND	ND	ND	ND	**140**	ND
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	**280 (J) nc**	9,900 (J) nc	ND	ND	ND	ND	ND	ND	**320**	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Results compared to EGLE Criteria Lookup Tables, June 25, 2018 and VIAP Screening Levels, dated September 4, 2020 (Rev. Feb 2024)

NC = No Criteria

= GCC AND/ Screening Level Exceedence

ND = Not Detected

BOLD Font w/thout shading indicates an exceedence of Background Criteria not GCC.

NA = Not Applicable or Not Analyzed

ID = Insufficient data to develop criterion.

B = Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

C = The criterion developed under R 299.20 to R 299.26 exceeds the chemical-specific soil saturation screening level (Csat). The person proposing or implementing response activity shall document whether additional response activity is required to control free-phase liquids or NAPL to protect against risks associated with free-phase liquids by using methods appropriate for the free-phase liquids present. Development of a site-specific Csat or methods presented in R 299.22, R 299.24(5), and R 299.26(B) may be conducted for the relevant exposure pathways.

ca = Carcinogenetic

DD = Hazardous substance causes developmental effects. Residential direct contact criteria are protective of both prenatal and postnatal exposure. Nonresidential direct contact criteria are protective for a pregnant adult receptor.

DD = Hazardous substance causes developmental effects. Residential VIAP screening levels are protective of both prenatal exposure using a pregnant female receptor and postnatal exposure using a child receptor. Nonresidential VIAP screening levels are protective of prenatal exposure using a pregnant female receptor. Prenatal developmental effects may occur after an acute (i.e. shortterm) or full-term exposure.

dev = Developmental

EE = The acceptable air concentration (AAC) for the volatile hazardous substances is not derived using standard equations. The hazardous substance may cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The AAC for these hazardous substances is the acute or intermediate minimum risk level (MRL) developed by the Agency for Toxic Substances and Disease Registry (ATSDR), a United States Environmental Protection Agency Integrated Risk Information System (IRIS) acute reference concentration, or an acute initial threshold screening level (ITSL) by the EGLE's Air Quality Division.

G = Groundwater surface water interface (GSI) criterion dependes on the pH or water hardness, or both, of the receiving surface water. A hardness value of 100 mg/L was used for the calculation (default for the Northern Nichigan).

GG = Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and nonresidential land uses) was derived utilizing 25 percent of the lower explosive level for methane. This equates to 1.25 percent or 8.4E+6 ug/m3 .

H = Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 ug/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

I = Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of $45, from the Superintendent of Documents, Government Printing Office, Washington, DC 20401 (stock number 869-044- 00155-1), or from the DEQ, Remediation and Redevelopment Division (RRD), 525 West Allegan Street, Lansing, Michigan 48933, at cost.

J = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.

JT = Hazardous substance may be present in several isomer forms. The VIAP screening level may be used for the individual isomer provided that it is the sole isomer detected; however, when multiple isomers are detected in a medium, the isomer-specific concentrations must be added together and compared to the most restrictive VIAP screening level of the detected isomers.

M = Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

M = The VIAP screening level may be below target detection limits (TDL). In accordance with Sec. 20120a(10) when the TDL for a hazardous substance is greater than the developed VIAP screening level, the TDL is used to evaluate the risk posed from the pathway.

MM = Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-dependent adjustment factors for those carcinogenic chemicals identified as mutagenic.

mut = Mutagenic cancer

nc = Non-Carcinogenetic

NLV = means hazardous substance is not likely to volatilize under most conditions.

st = Short-term (i.e., less than chronic exposure).

X = The groundwater surface water interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.

Z = Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

Table 1
West State Street Properties
118-136 West State Street and 115 Pine Street
City of Traverse City, Grand Traverse County, Michigan
Otwell Mawby, P.C. Project Number: 20-393A
Soil Analytical Data Summary

Analyte - MI Metals	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-86 2.0' BGL 11/2/2023	GP-86 3.0' BGL 11/2/2023	GP-87 2.0' BGL 11/2/2023	GP-87 5.0' BGL 11/2/2023	GP-88 2.0' BGL 11/2/2023	GP-88 4.0' BGL 11/2/2023		
Parcel Adress									130 W State	130 W State	130 W State	130 W State	130 W State	130 W State		
Arsenic	7440382	5,800	4,600	4,600	7,600	NLV	NA	NA	ND	ND	2,700	ND	ND	ND		
Barium (B)	7440393	75,000	1,300,000	G =290,000	37,000,000	NLV	NA	NA	16,000	5,000	39,000	2,700	4,700	2,100		
Cadmium (B)	7440639	1,200	6,000	G=2,700, X	550,000	NLV	NA	NA	ND	ND	1,100	ND	ND	ND		
Chromium (B,H)	16065831	18,000	1.0E+9 E	3,300	2,500,000	NLV	NA	NA	ND	ND	5,500	ND	ND	ND		
Copper	7440508	**32,000**	5,800,000	G=52,000	20,000,000	NLV	NA	NA	4,900	ND	**39,000**	ND	ND	ND		
Lead (B)	7439921	**21,000**	700,000	G=2.5E+6, X	400,000	NLV	NA	NA	**23,000**	ND	**74,000**	ND	ND	ND		
Mercury (B,Z)	Varies	130	1,700	50 (M); 1.2	160,000	48,000	22 (M) nc	790 nc	ND	ND	ND	ND	ND	ND		
Selenium	7782492	410	4,000	400	2,600,000	NLV	NA	NA	ND	ND	ND	ND	ND	ND		
Zinc (B)	7440666	**47,000**	2,400,000	G=120,000	170,000,000	NLV	NA	NA	27,000	3,300	**88,000**	4,500	4,200	2,500		
Other Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND		
Analyte - PNAS																
Benzo(a)pyrene (Q)	65850	NA	NLL	NLL	2.00E+03	NLV	NA	NA	ND	ND	ND	ND	ND	ND		
Benzo(g,h,i)perylene	191242	NA	NLL	NLL	2.50E+06	NLV	NA	NA	ND	ND	ND	ND	ND	ND		
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND		
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND		
Other PNAs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND		
Analyte - VOCS																
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND		
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND		
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND		
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND		
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND		
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND		
Tetrachloroethene	127184	NA	100	1,200 (X)	2.0E+5 (C)	11,000	**6.2 (M) (EE) st**	150 (EE) st	ND	ND	**89**	ND	ND	ND		
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND		
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND		
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND		
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND		
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND		
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	76	ND	ND	ND		
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND		
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND		

Analyte - MI Metals	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-89 2.0' BGL 10/31/2023	GP-89 4.0' BGL 10/31/2023	GP-89 7' BGL 10/31/2023	GP-89 9' BGL 10/31/2023	GP-89 12.0' BGL 10/31/2023	GP-89 14.0' BGL 10/31/2023	GP-89 16' BGL 10/31/2023	GP-89 18' BGL 10/31/2023
Parcel Adress									136 W State	136 W State	136 W State	136 W State	136 W State	136 W State	136 W State	136 W State
Analyte - VOCS																
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	100	1,200 (X)	2.0E+5 (C)	11,000	6.2 (M) (EE) st	150 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Results compared to EGLE Criteria Lookup Tables, June 25, 2018 and VIAP Screening Levels, dated September 4, 2020 (Rev. Feb 2024)

NC = No Criteria

= GCC AND/ Screening Level Exceedence

ND = Not Detected

BOLD Font w/thout shading indicates an exceedence of Background Criteria not GCC.

NA = Not Applicable or Not Analyzed

ID = Insufficient data to develop criterion.

B = Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

C = The criterion developed under R 299.20 to R 299.26 exceeds the chemical-specific soil saturation screening level (Csat). The person proposing or implementing response activity shall document whether additional response activity is required to control free-phase liquids or NAPL to protect against risks associated with free-phase liquids by using methods appropriate for the free-phase liquids present. Development of a site-specific Csat or methods presented in R 299.22, R 299.24(5), and R 299.26(8) may be conducted for the relevant exposure pathways.

ca = Carcinogenetic

DD = Hazardous substance causes developmental effects. Residential direct contact criteria are protective of both prenatal and postnatal exposure. Nonresidential direct contact criteria are protective for a pregnant adult receptor.

DD = Hazardous substance causes developmental effects. Residential VIAP screening levels are protective of both prenatal exposure using a pregnant female receptor and postnatal exposure using a child receptor. Nonresidential VIAP screening levels are protective of prenatal exposure using a pregnant female receptor. Prenatal developmental effects may occur after an acute (i.e. shortterm) or full-term exposure.

dev = Developmental

EE = The acceptable air concentration (AAC) for the volatile hazardous substances is not derived using standard equations. The hazardous substance may cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The AAC for these hazardous substances is the acute or intermediate minimum risk level (MRL) developed by the Agency for Toxic Substances and Disease Registry (ATSDR), a United States Environmental Protection Agency Integrated Risk Information System (IRIS) acute reference concentration, or an acute initial threshold screening level (ITSL) by the EGLE's Air Quality Division.

G = Groundwater surface water interface (GSI) criterion dependes on the pH or water hardness, or both, of the receiving surface water. A hardness value of 100 mg/L was used for the calculation (default for the Northern Nichigan).

GG = Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and nonresidential land uses) was derived utilizing 25 percent of the lower explosive level for methane. This equates to 1.25 percent or 8.4E+6 ug/m3 .

H = Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 ug/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

I = Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of $45, from the Superintendent of Documents, Government Printing Office, Washington, DC 20401 (stock number 869-044- 00155-1), or from the DEQ, Remediation and Redevelopment Division (RRD), 525 West Allegan Street, Lansing, Michigan 48933, at cost.

J = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.

JT = Hazardous substance may be present in several isomer forms. The VIAP screening level may be used for the individual isomer provided that it is the sole isomer detected; however, when multiple isomers are detected in a medium, the isomer-specific concentrations must be added together and compared to the most restrictive VIAP screening level of the detected isomers.

M = Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

M = The VIAP screening level may be below target detection limits (TDL). In accordance with Sec. 20120a(10) when the TDL for a hazardous substance is greater than the developed VIAP screening level, the TDL is used to evaluate the risk posed from the pathway.

MM = Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-dependent adjustment factors for those carcinogenic chemicals identified as mutagenic.

mut = Mutagenic cancer

nc = Non-Carcinogenetic

NLV = means hazardous substance is not likely to volatilize under most conditions.

st = Short-term (i.e., less than chronic exposure).

X = The groundwater surface water interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.

Z = Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

Table 1
West State Street Properties
118-136 West State Street and 115 Pine Street
City of Traverse City, Grand Traverse County, Michigan
Otwell Mawby, P.C. Project Number: 20-393A
Soil Analytical Data Summary

Analyte - VOCs	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-90 2.0' BGL 10/31/2023	GP-90 4.0' BGL 10/31/2023	GP-90 6.0' BGL 10/31/2023	GP-90 8.0' BGL 10/31/2023	GP-90 10.0' BGL 10/31/2023	GP-90 12.0' BGL 10/31/2023	GP-90 14.0' BGL 10/31/2023	GP-90 16.0' BGL 10/31/2023
Parcel Adress									136 W State	136 W State	136 W State	136 W State	136 W State	136 W State	136 W State	136 W State
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	56235	NA	100	760 (X)	9.60E+04	1.90E+02	0.31 (M) ca	17 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75003	NA	8,600	22,000 (X)	2.6E+6 (C)	2.9E+6 (C)	330 nc	12,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	100	1,200 (X)	2.0E+5 (C)	11,000	6.2 (M) (EE) st	150 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Analyte - VOCs	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-91 1.0' BGL 10/31/2023	GP-91 3.0' BGL 10/31/2023	GP-91 5.0' BGL 10/31/2023	GP-91 7.0' BGL 10/31/2023	GP-91 9.0' BGL 10/31/2023	GP-91 11.0' BGL 10/31/2023	GP-91 14.0' BGL 10/31/2023	GP-91 17.0' BGL 10/31/2023
Parcel Adress									136 W State	136 W State	136 W State	136 W State	136 W State	136 W State	136 W State	136 W State
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	56235	NA	100	760 (X)	9.60E+04	1.90E+02	0.31 (M) ca	17 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75003	NA	8,600	22,000 (X)	2.6E+6 (C)	2.9E+6 (C)	330 nc	12,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	100	1,200 (X)	2.0E+5 (C)	11,000	6.2 (M) (EE) st	150 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Analyte - VOCs	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-92 3.0' BGL 10/31/2023	GP-92 5.0' BGL 10/31/2023	GP-92 7.0' BGL 10/31/2023	GP-92 9.0' BGL 10/31/2023	GP-92 11.0' BGL 10/31/2023	GP-92 13.0' BGL 10/31/2023	GP-92 15.0' BGL 10/31/2023	GP-92 17.0' BGL 10/31/2023
Parcel Adress									136 W State	136 W State	136 W State	136 W State	136 W State	136 W State	136 W State	136 W State
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	56235	NA	100	760 (X)	9.60E+04	1.90E+02	0.31 (M) ca	17 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75003	NA	8,600	22,000 (X)	2.6E+6 (C)	2.9E+6 (C)	330 nc	12,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	**270 (JT) nc**	5,200 (JT) nc	ND	ND	ND	ND	ND	ND	ND	**520**
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	**150 (JT) nc**	3,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	**460**
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	100	1,200 (X)	2.0E+5 (C)	11,000	6.2 (M) (EE) st	150 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Results compared to EGLE Criteria Lookup Tables, June 25, 2018 and VIAP Screening Levels, dated September 4, 2020 (Rev. Feb 2024)

NC = No Criteria

= GCC AND/ Screening Level Exceedence

ND = Not Detected

BOLD Font w/thout shading indicates an exceedence of Background Criteria not GCC.

NA = Not Applicable or Not Analyzed

ID = Insufficient data to develop criterion.

B = Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

C = The criterion developed under R 299.20 to R 299.26 exceeds the chemical-specific soil saturation screening level (Csat). The person proposing or implementing response activity shall document whether additional response activity is required to control free-phase liquids or NAPL to protect against risks associated with free-phase liquids by using methods appropriate for the free-phase liquids present. Development of a site-specific Csat or methods presented in R 299.22, R 299.24(5), and R 299.26(B) may be conducted for the relevant exposure pathways.

ca = Carcinogenetic

DD = Hazardous substance causes developmental effects. Residential direct contact criteria are protective of both prenatal and postnatal exposure. Nonresidential direct contact criteria are protective for a pregnant adult receptor.

DD = Hazardous substance causes developmental effects. Residential VIAP screening levels are protective of both prenatal exposure using a pregnant female receptor and postnatal exposure using a child receptor. Nonresidential VIAP screening levels are protective of prenatal exposure using a pregnant female receptor. Prenatal developmental effects may occur after an acute (i.e. shortterm) or full-term exposure.

dev = Developmental

EE = The acceptable air concentration (AAC) for the volatile hazardous substances is not derived using standard equations. The hazardous substance may cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The AAC for these hazardous substances is the acute or intermediate minimum risk level (MRL) developed by the Agency for Toxic Substances and Disease Registry (ATSDR), a United States Environmental Protection Agency Integrated Risk Information System (IRIS) acute reference concentration, or an acute initial threshold screening level (ITSL) by the EGLE's Air Quality Division.

G = Groundwater surface water interface (GSI) criterion dependes on the pH or water hardness, or both, of the receiving surface water. A hardness value of 100 mg/L was used for the calculation (default for the Northern Nichigan).

GG = Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and nonresidential land uses) was derived utilizing 25 percent of the lower explosive level for methane. This equates to 1.25 percent or 8.4E+6 ug/m3 .

H = Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 ug/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

I = Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of $45, from the Superintendent of Documents, Government Printing Office, Washington, DC 20401 (stock number 869-044- 00155-1), or from the DEQ, Remediation and Redevelopment Division (RRD), 525 West Allegan Street, Lansing, Michigan 48933, at cost.

J = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.

JT = Hazardous substance may be present in several isomer forms. The VIAP screening level may be used for the individual isomer provided that it is the sole isomer detected; however, when multiple isomers are detected in a medium, the isomer-specific concentrations must be added together and compared to the most restrictive VIAP screening level of the detected isomers.

M = Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

M = The VIAP screening level may be below target detection limits (TDL). In accordance with Sec. 20120a(10) when the TDL for a hazardous substance is greater than the developed VIAP screening level, the TDL is used to evaluate the risk posed from the pathway.

MM = Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-dependent adjustment factors for those carcinogenic chemicals identified as mutagenic.

mut = Mutagenic cancer

nc = Non-Carcinogenetic

NLV = means hazardous substance is not likely to volatilize under most conditions.

st = Short-term (i.e., less than chronic exposure).

X = The groundwater surface water interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.

Z = Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

Table 1
West State Street Properties
118-136 West State Street and 115 Pine Street
City of Traverse City, Grand Traverse County, Michigan
Otwell Mawby, P.C. Project Number: 20-393A
Soil Analytical Data Summary

Analyte - VOCs	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-93 2.0' BGL 10/31/2023	GP-93 4.0' BGL 10/31/2023	GP-93 6.0' BGL 10/31/2023	GP-93 8.0' BGL 10/31/2023	GP-93 10.' BGL 10/31/2023	GP-93 12.0' BGL 10/31/2023	GP-93 14.0' BGL 10/31/2023	GP-93 16.0' BGL 10/31/2023
Parcel Adress									136 W State	136 W State	136 W State	136 W State	136 W State	136 W State	136 W State	136 W State
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	56235	NA	100	760 (X)	9.60E+04	1.90E+02	0.31 (M) ca	17 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75003	NA	8,600	22,000 (X)	2.6E+6 (C)	2.9E+6 (C)	330 nc	12,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	**100**	1,200 (X)	2.0E+5 (C)	11,000	**6.2 (M) (EE) st**	150 (EE) st	ND	ND	ND	ND	ND	**150**	ND	ND
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Analyte - VOCs	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-94 3.0' BGL 10/31/2023	GP-94 5.0' BGL 10/31/2023	GP-94 7.0' BGL 10/31/2023	GP-94 9.0' BGL 10/31/2023	GP-94 11.0' BGL 10/31/2023	GP-94 13.0' BGL 10/31/2023	GP-94 15.0' BGL 10/31/2023	GP-94 17.0' BGL 10/31/2023
Parcel Adress									136 W State	136 W State	136 W State	136 W State	136 W State	136 W State	136 W State	136 W State
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	56235	NA	100	760 (X)	9.60E+04	1.90E+02	0.31 (M) ca	17 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75003	NA	8,600	22,000 (X)	2.6E+6 (C)	2.9E+6 (C)	330 nc	12,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	100	1,200 (X)	2.0E+5 (C)	11,000	**6.2 (M) (EE) st**	150 (EE) st	ND	ND	**51**	ND	ND	ND	ND	ND
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Analyte - VOCs	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-95 2.0' BGL 11/1/2023	GP-95 4.0' BGL 11/1/2023	GP-95 6.0' BGL 11/1/2023	GP-95 8.0' BGL 11/1/2023	GP-95 10.0' BGL 11/1/2023	GP-95 12.0' BGL 11/1/2023	GP-95 14.0' BGL 11/1/2023	GP-95 18.0' BGL 11/1/2023
Parcel Adress									115 Pine	115 Pine	115 Pine	115 Pine	115 Pine	115 Pine	115 Pine	115 Pine
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	56235	NA	100	760 (X)	9.60E+04	1.90E+02	0.31 (M) ca	17 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75003	NA	8,600	22,000 (X)	2.6E+6 (C)	2.9E+6 (C)	330 nc	12,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	100	1,200 (X)	2.0E+5 (C)	11,000	6.2 (M) (EE) st	150 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Results compared to EGLE Criteria Lookup Tables, June 25, 2018 and VIAP Screening Levels, dated September 4, 2020 (Rev. Feb 2024)

NC = No Criteria

= GCC AND/ Screening Level Exceedence

ND = Not Detected

BOLD Font w/thout shading indicates an exceedence of Background Criteria not GCC.

NA = Not Applicable or Not Analyzed

ID = Insufficient data to develop criterion.

B = Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

C = The criterion developed under R 299.20 to R 299.26 exceeds the chemical-specific soil saturation screening level (Csat). The person proposing or implementing response activity shall document whether additional response activity is required to control free-phase liquids or NAPL to protect against risks associated with free-phase liquids by using methods appropriate for the free-phase liquids present. Development of a site-specific Csat or methods presented in R 299.22, R 299.24(5), and R 299.26(B) may be conducted for the relevant exposure pathways.

ca = Carcinogenetic

DD = Hazardous substance causes developmental effects. Residential direct contact criteria are protective of both prenatal and postnatal exposure. Nonresidential direct contact criteria are protective for a pregnant adult receptor.

DD = Hazardous substance causes developmental effects. Residential VIAP screening levels are protective of both prenatal exposure using a pregnant female receptor and postnatal exposure using a child receptor. Nonresidential VIAP screening levels are protective of prenatal exposure using a pregnant female receptor. Prenatal developmental effects may occur after an acute (i.e. shortterm) or full-term exposure.

dev = Developmental

EE = The acceptable air concentration (AAC) for the volatile hazardous substances is not derived using standard equations. The hazardous substance may cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The AAC for these hazardous substances is the acute or intermediate minimum risk level (MRL) developed by the Agency for Toxic Substances and Disease Registry (ATSDR), a United States Environmental Protection Agency Integrated Risk Information System (IRIS) acute reference concentration, or an acute initial threshold screening level (ITSL) by the EGLE's Air Quality Division.

G = Groundwater surface water interface (GSI) criterion dependes on the pH or water hardness, or both, of the receiving surface water. A hardness value of 100 mg/L was used for the calculation (default for the Northern Nichigan).

GG = Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and nonresidential land uses) was derived utilizing 25 percent of the lower explosive level for methane. This equates to 1.25 percent or 8.4E+6 ug/m3 .

H = Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 ug/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

I = Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of $45, from the Superintendent of Documents, Government Printing Office, Washington, DC 20401 (stock number 869-044- 00155-1), or from the DEQ, Remediation and Redevelopment Division (RRD), 525 West Allegan Street, Lansing, Michigan 48933, at cost.

J = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.

JT = Hazardous substance may be present in several isomer forms. The VIAP screening level may be used for the individual isomer provided that it is the sole isomer detected; however, when multiple isomers are detected in a medium, the isomer-specific concentrations must be added together and compared to the most restrictive VIAP screening level of the detected isomers.

M = Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

M = The VIAP screening level may be below target detection limits (TDL). In accordance with Sec. 20120a(10) when the TDL for a hazardous substance is greater than the developed VIAP screening level, the TDL is used to evaluate the risk posed from the pathway.

MM = Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-dependent adjustment factors for those carcinogenic chemicals identified as mutagenic.

mut = Mutagenic cancer

nc = Non-Carcinogenetic

NLV = means hazardous substance is not likely to volatilize under most conditions.

st = Short-term (i.e., less than chronic exposure).

X = The groundwater surface water interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.

Z = Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

Table 1
West State Street Properties
118-136 West State Street and 115 Pine Street
City of Traverse City, Grand Traverse County, Michigan
Otwell Mawby, P.C. Project Number: 20-393A
Soil Analytical Data Summary

Analyte - VOCs	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-96 3.0' BGL 10/31/2023	GP-96 5.0' BGL 10/31/2023	GP-96 7.0' BGL 10/31/2023	GP-96 9.0' BGL 10/31/2023	GP-96 11.0' BGL 10/31/2023	GP-96 13.0' BGL 10/31/2023	GP-96 16.0' BGL 10/31/2023	GP-96 18.0' BGL 10/31/2023
Parcel Adress									**115 Pine**	**115 Pine**	**115 Pine**	**115 Pine**	**115 Pine**	**115 Pine**	**115 Pine**	**115 Pine**
1,1,2,2-Tetrachloroethane	79345	NA	170	1,600 (X)	53,000	4,300	**2.7 (M) ca**	150 ca	ND	ND	ND	ND	ND	ND	ND	**56**
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	56235	NA	100	760 (X)	9.60E+04	1.90E+02	0.31 (M) ca	17 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75003	NA	8,600	22,000 (X)	2.6E+6 (C)	2.9E+6 (C)	**330 nc**	12,000 nc	ND	ND	**2,500**	ND	**1,300**	**1,500**	**1,100**	**2,600**
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	**100**	1,200 (X)	2.0E+5 (C)	11,000	**6.2 (M) (EE) st**	**150 (EE) st**	**700**	ND	ND	ND	ND	ND	ND	ND
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	**67 (M) ca**	3,800 ca	ND	ND	ND	ND	ND	ND	ND	**400**
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	110576	NC	NC	NC	NC	NC	NC	NC	ND	ND	ND	ND	ND	ND	ND	92
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Analyte - VOCs	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	GP-97 3.0' BGL 10/31/2023	GP-97 5.0' BGL 10/31/2023	GP-97 7.0' BGL 10/31/2023	GP-97 9.0' BGL 10/31/2023	GP-97 11.0' BGL 10/31/2023	GP-97 13.0' BGL 10/31/2023	GP-97 15.0' BGL 10/31/2023	GP-97 18.0' BGL 10/31/2023
Parcel Adress									**115 Pine**	**115 Pine**	**115 Pine**	**115 Pine**	**115 Pine**	**115 Pine**	**115 Pine**	**115 Pine**
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	56235	NA	100	760 (X)	9.60E+04	1.90E+02	0.31 (M) ca	17 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75003	NA	8,600	22,000 (X)	2.6E+6 (C)	2.9E+6 (C)	330 nc	12,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	**270 (JT) nc**	5,200 (JT) nc	ND	ND	ND	ND	ND	ND	ND	**1,300**
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	**150 (JT) nc**	3,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	**100 (JT) nc**	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	100	1,200 (X)	2.0E+5 (C)	11,000	6.2 (M) (EE) st	150 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Results compared to EGLE Criteria Lookup Tables, June 25, 2018 and VIAP Screening Levels, dated September 4, 2020 (Rev. Feb 2024)

NC = No Criteria

= GCC AND/ Screening Level Exceedence

ND = Not Detected

BOLD Font w/thout shading indicates an exceedence of Background Criteria not GCC.

NA = Not Applicable or Not Analyzed

ID = Insufficient data to develop criterion.

B = Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

C = The criterion developed under R 299.20 to R 299.26 exceeds the chemical-specific soil saturation screening level (Csat). The person proposing or implementing response activity shall document whether additional response activity is required to control free-phase liquids or NAPL to protect against risks associated with free-phase liquids by using methods appropriate for the free-phase liquids present. Development of a site-specific Csat or methods presented in R 299.22, R 299.24(5), and R 299.26(8) may be conducted for the relevant exposure pathways.

ca = Carcinogenetic

DD = Hazardous substance causes developmental effects. Residential direct contact criteria are protective of both prenatal and postnatal exposure. Nonresidential direct contact criteria are protective for a pregnant adult receptor.

DD = Hazardous substance causes developmental effects. Residential VIAP screening levels are protective of both prenatal exposure using a pregnant female receptor and postnatal exposure using a child receptor. Nonresidential VIAP screening levels are protective of prenatal exposure using a pregnant female receptor. Prenatal developmental effects may occur after an acute (i.e. shortterm) or full-term exposure.

dev = Developmental

EE = The acceptable air concentration (AAC) for the volatile hazardous substances is not derived using standard equations. The hazardous substance may cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The AAC for these hazardous substances is the acute or intermediate minimum risk level (MRL) developed by the Agency for Toxic Substances and Disease Registry (ATSDR), a United States Environmental Protection Agency Integrated Risk Information System (IRIS) acute reference concentration, or an acute initial threshold screening level (ITSL) by the EGLE's Air Quality Division.

G = Groundwater surface water interface (GSI) criterion dependes on the pH or water hardness, or both, of the receiving surface water. A hardness value of 100 mg/L was used for the calculation (default for the Northern Michigan).

GG = Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and nonresidential land uses) was derived utilizing 25 percent of the lower explosive level for methane. This equates to 1.25 percent or 8.4E+6 ug/m3 .

H = Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 ug/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

I = Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of $45, from the Superintendent of Documents, Government Printing Office, Washington, DC 20401 (stock number 869-044- 00155-1), or from the DEQ, Remediation and Redevelopment Division (RRD), 525 West Allegan Street, Lansing, Michigan 48933, at cost.

J = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.

JT = Hazardous substance may be present in several isomer forms. The VIAP screening level may be used for the individual isomer provided that it is the sole isomer detected; however, when multiple isomers are detected in a medium, the isomer-specific concentrations must be added together and compared to the most restrictive VIAP screening level of the detected isomers.

M = Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

M = The VIAP screening level may be below target detection limits (TDL). In accordance with Sec. 20120a(10) when the TDL for a hazardous substance is greater than the developed VIAP screening level, the TDL is used to evaluate the risk posed from the pathway.

MM = Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-dependent adjustment factors for those carcinogenic chemicals identified as mutagenic.

mut = Mutagenic cancer

nc = Non-Carcinogenetic

NLV = means hazardous substance is not likely to volatilize under most conditions.

st = Short-term (i.e., less than chronic exposure).

X = The groundwater surface water interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.

Z = Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

Table 1
West State Street Properties
118-136 West State Street and 115 Pine Street
City of Traverse City, Grand Traverse County, Michigan
Otwell Mawby, P.C. Project Number: 20-393A
Soil Analytical Data Summary

Analyte - MI Metals	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	HA-1 3.0' BGL 2/25/2022	HA-2 2.5' BGL 2/25/2022	HA-3 2.0' BGL 2/25/2022	HA-4 3.0' BGL 2/25/2022				
Parcel Adress									**128 W State**	**128 W State**	**128 W State**	**128 W State**				
Arsenic	7440382	5,800	4,600	4,600	7,600	NLV	NA	NA	ND	ND	ND	ND				
Barium (B)	7440393	75,000	1,300,000	G =290,000	37,000,000	NLV	NA	NA	41,000	19,000	30,000	6,200				
Cadmium (B)	7440639	1,200	6,000	G=2,700, X	550,000	NLV	NA	NA	ND	ND	510	ND				
Chromium (B,H)	16065831	18,000	1.0E+9 E	3,300	2,500,000	NLV	NA	NA	2,800	4,600	5,200	3,100				
Copper	7440508	32,000	5,800,000	G=52,000	20,000,000	NLV	NA	NA	4,500	4,900	21,000	7,800				
Lead (B)	7439921	**21,000**	700,000	G=2.5E+6, X	400,000	NLV	NA	NA	**74,000**	**30,000**	**64,000**	15,000				
Mercury (B,Z)	Varies	130	1,700	**50 (M); 1.2**	160,000	48,000	**22 (M) nc**	790 nc	ND	ND	**52**	ND				
Selenium	7782492	410	4,000	400	2,600,000	NLV	NA	NA	ND	ND	ND	ND				
Zinc (B)	7440666	**47,000**	2,400,000	G=120,000	170,000,000	NLV	NA	NA	**52,000**	30,000	**82,000**	7,200				
Other Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND				
Analyte - PNAS																
Benzo(a)pyrene (Q)	65850	NA	NLL	NLL	2.00E+03	NLV	NA	NA	ND	ND	ND	ND				
Benzo(g,h,i)perylene	191242	NA	NLL	NLL	2.50E+06	NLV	NA	NA	ND	ND	ND	ND				
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND				
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND				
Other PNAs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND				
Analyte - VOCS																
Carbon Tetrachloride	56235	NA	**100**	760 (X)	9.60E+04	**1.90E+02**	**0.31 (M) ca**	**17 (M) ca**	**200**	**200**	ND	**220**				
Chloroethane	75003	NA	8,600	22,000 (X)	2.6E+6 (C)	2.9E+6 (C)	330 nc	12,000 nc	ND	ND	ND	ND				
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND				
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND				
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND				
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND				
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND				
Tetrachloroethene	127184	NA	100	1,200 (X)	2.0E+5 (C)	11,000	6.2 (M) (EE) st	150 (EE) st	ND	ND	ND	ND				
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND				
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND				
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND				
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND				
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND				
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND				
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND				
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND				

Analyte - MI Metals	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	HA-5 1.0' BGL 12/7/2023	HA-5 6.5' BGL 12/7/2023	HA-6 9.0' BGL 12/7/2023	HA-6 11.0' BGL 12/7/2023	HA-7 6.0' BGL 12/7/2023	HA-7 8.5' BGL 12/7/2023		
Parcel Adress									**120 W State**	**120 W State**	**120 W State**	**120 W State**	**120 W State**	**120 W State**		
Arsenic	7440382	**5,800**	**4,600**	**4,600**	**7,600**	NLV	NA	NA	**11,000**	ND	ND	ND	ND	ND		
Barium (B)	7440393	75,000	1,300,000	G =290,000	37,000,000	NLV	NA	NA	55,000	4,300	4,500	4,300	5,400	14,000		
Cadmium (B)	7440639	1,200	6,000	G=2,700, X	550,000	NLV	NA	NA	720	ND	ND	ND	500	ND		
Chromium (B,H)	16065831	18,000	1.0E+9 E	**3,300**	2,500,000	NLV	NA	NA	3,300	ND	ND	ND	**3,800**	2,400		
Copper	7440508	32,000	5,800,000	G=52,000	20,000,000	NLV	NA	NA	18,000	ND	ND	ND	19,000	4,000		
Lead (B)	7439921	**21,000**	700,000	G=2.5E+6, X	400,000	NLV	NA	NA	**170,000**	ND	ND	ND	**280,000**	**46,000**		
Mercury (B,Z)	Varies	**130**	1,700	**50 (M); 1.2**	160,000	48,000	**22 (M) nc**	790 nc	**120**	ND	ND	ND	**140**	ND		
Selenium	7782492	410	4,000	400	2,600,000	NLV	NA	NA	380	ND	ND	ND	ND	ND		
Zinc (B)	7440666	**47,000**	2,400,000	**G=120,000**	170,000,000	NLV	NA	NA	**120,000**	4,900	3,300	3,400	**130,000**	27,000		
Other Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND		
Analyte - PNAS																
Anthracene	120127	NA	41,000	ID	2.30E+08	1.0E+09 (D)	1.37E+07 nc	4.4E+08 nc	580	ND	ND	ND	760	ND		
Benzo(a)anthracene (Q)	56553	NA	NLL	NLL	2.00E+04	NLV	1.6+05 (MM) mut	2.2E+07 ca	980	ND	ND	ND	950	ND		
Benzo(a)pyrene (Q)	65850	NA	NLL	NLL	2.00E+03	NLV	NA	NA	720	ND	ND	ND	750	ND		
Benzo(b)fluoranthene (Q)	207089	NA	NLL	NLL	2.00E+05	NLV	NA	NA	1,000	ND	ND	ND	960	ND		
Benzo(k)fluoranthene (Q)	207089	NA	NLL	NLL	2.00E+05	NLV	NA	NA	380	ND	ND	ND	ND	ND		
Benzo(g,h,i)perylene	191242	NA	NLL	NLL	2.50E+06	NLV	NA	NA	ND	ND	ND	ND	ND	ND		
Crysene (Q)	218019	NA	NLL	NLL	2.00E+06	ID	NA	NA	1,200	ND	ND	ND	970	ND		
Fluoranthene	206440	NA	730,000	5,500	4.60E+07	1.0E+09 E	NA	NA	4,300	ND	ND	ND	2,400	ND		
Fluorene	86737	NA	390,000	5,300	2.70E+07	5.80E+08	4.7E+05 nc	1.7E+07 nc	890	ND	ND	ND	360	ND		
Indeno(1,2,3-cd)pyrene (Q)	193395	NA	NLL	NLL	2.00E+04	NLV	NA	NA	ND	ND	ND	ND	370	ND		
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	1,000	ND	ND	ND	ND	ND		
Naphthalene	91203	NA	35,000	**730**	1.60E+07	2.50E+05	**67 (M) ca**	60,000 nc	**2,400**	ND	ND	ND	ND	ND		
Phenanthrene	85018	NA	56,000	**2,100**	1.60E+06	2.80E+06	**1,700 nc**	58,000 nc	**7,100**	ND	ND	ND	**2,900**	ND		
Pyrene	129000	NA	480,000	ID	2.90E+07	1.0E+09 D	2.5E+07 nc	8.8E+08 nc	2,300	ND	ND	ND	1,700	ND		
Other PNAs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND		
Analyte - VOCS																
Carbon Tetrachloride	56235	NA	100	760 (X)	9.60E+04	1.90E+02	0.31 (M) ca	17 (M) ca	ND	ND	ND	ND	ND	ND		
Chloroethane	75003	NA	8,600	22,000 (X)	2.6E+6 (C)	2.9E+6 (C)	330 nc	12,000 nc	ND	ND	ND	ND	ND	ND		
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND		
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND		
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND		
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND		
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND		
Tetrachloroethene	127184	NA	**100**	1,200 (X)	2.0E+5 (C)	11,000	**6.2 (M) (EE) st**	150 (EE) st	**150**	ND	ND	ND	ND	ND		
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND		
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	460	ND		
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND		
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND		
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND		
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND		
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND		
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND		

Notes:

Results compared to EGLE Criteria Lookup Tables, June 25, 2018 and VIAP Screening Levels, dated September 4, 2020 (Rev. Feb 2024)

NC = No Criteria

= GCC AND/ Screening Level Exceedence

ND = Not Detected

BOLD Font w/thout shading indicates an exceedence of Background Criteria not GCC.

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B = Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

C = The criterion developed under R 299.20 to R 299.26 exceeds the chemical-specific soil saturation screening level (Csat). The person proposing or implementing response activity shall document whether additional response activity is required to control free-phase liquids or NAPL to protect against risks associated with free-phase liquids by using methods appropriate for the free-phase liquids present. Development of a site-specific Csat or methods presented in R 299.22, R 299.24(5), and R 299.26(8) may be conducted for the relevant exposure pathways.

ca = Carcinogenetic

DD = Hazardous substance causes developmental effects. Residential direct contact criteria are protective of both prenatal and postnatal exposure. Nonresidential direct contact criteria are protective for a pregnant adult receptor.

DD = Hazardous substance causes developmental effects. Residential VIAP screening levels are protective of both prenatal exposure using a pregnant female receptor and postnatal exposure using a child receptor. Nonresidential VIAP screening levels are protective of prenatal exposure using a pregnant female receptor. Prenatal developmental effects may occur after an acute (i.e. shortterm) or full-term exposure.

dev = Developmental

EE = The acceptable air concentration (AAC) for the volatile hazardous substances is not derived using standard equations. The hazardous substance may cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The AAC for these hazardous substances is the acute or intermediate minimum risk level (MRL) developed by the Agency for Toxic Substances and Disease Registry (ATSDR), a United States Environmental Protection Agency Integrated Risk Information System (IRIS) acute reference concentration, or an acute initial threshold screening level (ITSL) by the EGLE's Air Quality Division.

G = Groundwater surface water interface (GSI) criterion dependes on the pH or water hardness, or both, of the receiving surface water. A hardness value of 100 mg/L was used for the calculation (default for the Northern Nichigan).

GG = Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and nonresidential land uses) was derived utilizing 25 percent of the lower explosive level for methane. This equates to 1.25 percent or 8.4E+6 ug/m3 .

H = Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 ug/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

I = Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of $45, from the Superintendent of Documents, Government Printing Office, Washington, DC 20401 (stock number 869-044- 00155-1), or from the DEQ, Remediation and Redevelopment Division (RRD), 525 West Allegan Street, Lansing, Michigan 48933, at cost.

J = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.

JT = Hazardous substance may be present in several isomer forms. The VIAP screening level may be used for the individual isomer provided that it is the sole isomer detected; however, when multiple isomers are detected in a medium, the isomer-specific concentrations must be added together and compared to the most restrictive VIAP screening level of the detected isomers.

M = Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

M = The VIAP screening level may be below target detection limits (TDL). In accordance with Sec. 20120a(10) when the TDL for a hazardous substance is greater than the developed VIAP screening level, the TDL is used to evaluate the risk posed from the pathway.

MM = Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-dependent adjustment factors for those carcinogenic chemicals identified as mutagenic.

mut = Mutagenic cancer

nc = Non-Carcinogenetic

NLV = means hazardous substance is not likely to volatilize under most conditions.

st = Short-term (i.e., less than chronic exposure).

X = The groundwater surface water interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.

Z = Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

Table 1
West State Street Properties
118-136 West State Street and 115 Pine Street
City of Traverse City, Grand Traverse County, Michigan
Otwell Mawby, P.C. Project Number: 20-393A
Soil Analytical Data Summary

Analyte - VOCs	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	HA-19-1 3.0' BGL 12/5/2019	HA-19-1 12.0' BGL 12/5/2019	HA-19-1 15.0' BGL 12/5/2019	HA-19-2 3.0' BGL 12/5/2019	HA-19-2 12.0' BGL 12/5/2019	HA-19-2 14.0' BGL 12/5/2019	HA-19-3 3.0' BGL 12/5/2019	HA-19-3 12.0' BGL 12/5/2019
Parcel Adress									115 Pine	115 Pine	115 Pine	115 Pine	115 Pine	115 Pine	115 Pine	115 Pine
Carbon Tetrachloride	56235	NA	100	760 (X)	9.60E+04	1.90E+02	0.31 (M) ca	17 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75003	NA	8,600	22,000 (X)	2.6E+6 (C)	2.9E+6 (C)	330 nc	12,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	**100**	1,200 (X)	2.0E+5 (C)	11,000	**6.2 (M) (EE) st**	**150 (EE) st**	ND	ND	ND	**760**	**160**	**450**	ND	ND
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Analyte - VOCs	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	HA-19-3 15.0' BGL 12/5/2019	HA-19-4 3.0' BGL 12/5/2019	HA-19-4 12.0' BGL 12/5/2019	HA-19-4 15.0' BGL 12/5/2019	HA-19-5 3.0' BGL 12/5/2019	HA-19-5 12.0' BGL 12/5/2019	HA-19-5 15.0' BGL 12/5/2019	SB-19-6 3.0' BGL 12/5/2019
Parcel Adress									115 Pine	115 Pine	115 Pine	115 Pine	115 Pine	115 Pine	115 Pine	115 Pine
Carbon Tetrachloride	56235	NA	100	760 (X)	9.60E+04	1.90E+02	0.31 (M) ca	17 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75003	NA	8,600	22,000 (X)	2.6E+6 (C)	2.9E+6 (C)	330 nc	12,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
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1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	NA	**100**	**1,200 (X)**	2.0E+5 (C)	11,000	**6.2 (M) (EE) st**	**150 (EE) st**	ND	**1,200**	ND	**2,000**	**540**	ND	ND	ND
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
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Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

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DD = Hazardous substance causes developmental effects. Residential VIAP screening levels are protective of both prenatal exposure using a pregnant female receptor and postnatal exposure using a child receptor. Nonresidential VIAP screening levels are protective of prenatal exposure using a pregnant female receptor. Prenatal developmental effects may occur after an acute (i.e. shortterm) or full-term exposure.

dev = Developmental

EE = The acceptable air concentration (AAC) for the volatile hazardous substances is not derived using standard equations. The hazardous substance may cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The AAC for these hazardous substances is the acute or intermediate minimum risk level (MRL) developed by the Agency for Toxic Substances and Disease Registry (ATSDR), a United States Environmental Protection Agency Integrated Risk Information System (IRIS) acute reference concentration, or an acute initial threshold screening level (ITSL) by the EGLE's Air Quality Division.

G = Groundwater surface water interface (GSI) criterion dependes on the pH or water hardness, or both, of the receiving surface water. A hardness value of 100 mg/L was used for the calculation (default for the Northern Nichigan).

GG = Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and nonresidential land uses) was derived utilizing 25 percent of the lower explosive level for methane. This equates to 1.25 percent or 8.4E+6 ug/m3 .

H = Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 ug/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

I = Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of $45, from the Superintendent of Documents, Government Printing Office, Washington, DC 20401 (stock number 869-044- 00155-1), or from the DEQ, Remediation and Redevelopment Division (RRD), 525 West Allegan Street, Lansing, Michigan 48933, at cost.

J = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.

JT = Hazardous substance may be present in several isomer forms. The VIAP screening level may be used for the individual isomer provided that it is the sole isomer detected; however, when multiple isomers are detected in a medium, the isomer-specific concentrations must be added together and compared to the most restrictive VIAP screening level of the detected isomers.

M = Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

M = The VIAP screening level may be below target detection limits (TDL). In accordance with Sec. 20120a(10) when the TDL for a hazardous substance is greater than the developed VIAP screening level, the TDL is used to evaluate the risk posed from the pathway.

MM = Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-dependent adjustment factors for those carcinogenic chemicals identified as mutagenic.

mut = Mutagenic cancer

nc = Non-Carcinogenetic

NLV = means hazardous substance is not likely to volatilize under most conditions.

st = Short-term (i.e., less than chronic exposure).

X = The groundwater surface water interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.

Z = Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

Table 1
West State Street Properties
118-136 West State Street and 115 Pine Street
City of Traverse City, Grand Traverse County, Michigan
Otwell Mawby, P.C. Project Number: 20-393A
Soil Analytical Data Summary

Analyte - VOCs	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	HA-19-6 12.0' BGL 12/5/2019	HA-19-6 15.0' BGL 12/5/2019	SB-19-3 3.0' BGL 12/5/2019	SB-19-3 12.0' BGL 12/5/2019	SB-19-3 18.0' BGL 12/5/2019	HA-13 0.5' BGL 10/11/2023	HA-13 3.0' BGL 10/11/2023	HA-13 5.0' BGL 10/11/2023
Parcel Adress									115 Pine	115 Pine	115 Pine	115 Pine	115 Pine	115 Pine	115 Pine	115 Pine
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	56235	NA	100	760 (X)	9.60E+04	1.90E+02	0.31 (M) ca	17 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75003	NA	8,600	22,000 (X)	2.6E+6 (C)	2.9E+6 (C)	330 nc	12,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	**270 (JT) nc**	5,200 (JT) nc	ND	ND	ND	ND	**1,000**	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	**150 (JT) nc**	3,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	**100 (JT) nc**	6,100 (JT) nc	ND	ND	ND	ND	**380**	ND	ND	ND
Tetrachloroethene	127184	NA	**100**	**1,200 (X)**	2.0E+5 (C)	11,000	**6.2 (M) (EE) st**	**150 (EE) st**	ND	ND	ND	ND	ND	**1,600**	**290**	**240**
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND

Analyte - VOCs	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	HA-14 1.0' BGL 10/11/2023	HA-10 SLAB 10/11/23	HA-11 SLAB 10/11/23	HA-12 SLAB 10/11/23	HA-13 SLAB 10/11/23	HA-14 SLAB 10/11/23	HA-15 SLAB 10/11/23	
Parcel Adress									115 Pine	115 Pine	115 Pine	115 Pine	115 Pine	115 Pine	115 Pine	
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND	ND	
Carbon Tetrachloride	56235	NA	100	760 (X)	9.60E+04	1.90E+02	0.31 (M) ca	17 (M) ca	ND	ND	ND	ND	ND	ND	ND	
Chloroethane	75003	NA	8,600	22,000 (X)	2.6E+6 (C)	2.9E+6 (C)	330 nc	12,000 nc	ND	ND	ND	ND	ND	ND	ND	
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND	ND	
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND	ND	
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND	ND	
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	
Tetrachloroethene	127184	NA	**100**	1,200 (X)	2.0E+5 (C)	11,000	**6.2 (M) (EE) st**	**150 (EE) st**	ND	**680**	**300**	**120**	ND	ND	**200**	
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND	ND	
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND	ND	
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND	ND	
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND	ND	
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND	ND	
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	

Analyte - VOCs	CAS #	EGLE Part 201 Statewide Default Background Criteria	EGLE Part 201 Drinking Water Protection Criteria	EGLE Part 201 Groundwater Surface Water Interface Protection Criteria	EGLE Part 201 Direct Contact Criteria	EGLE Part 201 Soil Volatilization to Indoor Air Inhalation Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/2020) Residential Soil	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Feb. 2024) Nonresidential Soil	HA-10 3.0' BGL 11/27/23	HA-10 5.0' BGL 11/27/23	HA-11 2.0' BGL 11/27/23	HA-11 4.0' BGL 11/27/23	HA-11 6.0' BGL 11/27/23	HA-11 8.0' BGL 11/27/23		
Parcel Adress									115 Pine	115 Pine	115 Pine	115 Pine	115 Pine	115 Pine		
Benzene (I)	71432	NA	100	4,000 (X)	1.80E+05	1.60E+03	1.7 (M) ca	94 ca	ND	ND	ND	ND	ND	ND		
Carbon Tetrachloride	56235	NA	100	760 (X)	9.60E+04	1.90E+02	0.31 (M) ca	17 (M) ca	ND	ND	ND	ND	ND	ND		
Chloroethane	75003	NA	8,600	22,000 (X)	2.6E+6 (C)	2.9E+6 (C)	330 nc	12,000 nc	ND	ND	ND	ND	ND	ND		
Ethylbenzene (I)	100414	NA	1,500	360	2.2E+7 (C)	87,000	12 (M) ca	680 ca	ND	ND	ND	ND	ND	ND		
Isopropylbenzene	98828	NA	91,000	3,200	2.5E+7 (C)	4.0E+5 (C)	3.8 (M) ca	210 (M) ca	ND	ND	ND	ND	ND	ND		
1,2,3-Trimethylbenzene	526738	NC	NC	NC	NC	NC	270 (JT) nc	5,200 (JT) nc	ND	ND	ND	ND	ND	ND		
1,2,4-Trimethylbenzene (I)	95636	NA	2,100	570	3.2E+7 (C)	4.3E+6 (C)	150 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND		
1,3,5-Trimethylbenzene (I)	108678	NA	1,800	1,100	3.2E+7 (C)	2.6E+6 (C)	100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND		
Tetrachloroethene	127184	NA	**100**	1,200 (X)	2.0E+5 (C)	11,000	**6.2 (M) (EE) st**	**150 (EE) st**	**680**	ND	**170**	ND	ND	**200**		
Toluene (I)	108883	NA	16,000	5,400	5.0E+7 (C)	3.3E+5 (C)	3,700 nc	64,000 (EE) st	ND	ND	ND	ND	ND	ND		
2-Methylnaphthalene	91576	NA	57,000	4,200	8.10E+06	2.70E+06	1,700 nc	60,000 nc	ND	ND	ND	ND	ND	ND		
Naphthalene	91203	NA	35,000	730	1.60E+07	2.50E+05	67 (M) ca	3,800 ca	ND	ND	ND	ND	ND	ND		
n-Propylbenzene (I)	103651	NA	1,600	ID	2.50E+06	ID	1,800 (DD) dev	21,000 (DD) dev	ND	ND	ND	ND	ND	ND		
m,p-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND		
o-Xylene (I)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND		
Xylenes (I, Total)	1330207	NA	5,600	980	4.1E+8 (C)	6.3E+6 (C)	280 (J) nc	9,900 (J) nc	ND	ND	ND	ND	ND	ND		
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND		

Notes:

Results compared to EGLE Criteria Lookup Tables, June 25, 2018 and VIAP Screening Levels, dated September 4, 2020 (Rev. Feb 2024)

NC = No Criteria

= GCC AND/ Screening Level Exceedence

ND = Not Detected

BOLD Font w/thout shading indicates an exceedence of Background Criteria not GCC.

NA = Not Applicable or Not Analyzed

ID = Insufficient data to develop criterion.

B = Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

C = The criterion developed under R 299.20 to R 299.26 exceeds the chemical-specific soil saturation screening level (Csat). The person proposing or implementing response activity shall document whether additional response activity is required to control free-phase liquids or NAPL to protect against risks associated with free-phase liquids by using methods appropriate for the free-phase liquids present. Development of a site-specific Csat or methods presented in R 299.22, R 299.24(5), and R 299.26(B) may be conducted for the relevant exposure pathways.

ca = Carcinogenetic

DD = Hazardous substance causes developmental effects. Residential direct contact criteria are protective of both prenatal and postnatal exposure. Nonresidential direct contact criteria are protective for a pregnant adult receptor.

DD = Hazardous substance causes developmental effects. Residential VIAP screening levels are protective of both prenatal exposure using a pregnant female receptor and postnatal exposure using a child receptor. Nonresidential VIAP screening levels are protective of prenatal exposure using a pregnant female receptor. Prenatal developmental effects may occur after an acute (i.e. shortterm) or full-term exposure.

dev = Developmental

EE = The acceptable air concentration (AAC) for the volatile hazardous substances is not derived using standard equations. The hazardous substance may cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The AAC for these hazardous substances is the acute or intermediate minimum risk level (MRL) developed by the Agency for Toxic Substances and Disease Registry (ATSDR), a United States Environmental Protection Agency Integrated Risk Information System (IRIS) acute reference concentration, or an acute initial threshold screening level (ITSL) by the EGLE's Air Quality Division.

G = Groundwater surface water interface (GSI) criterion dependes on the pH or water hardness, or both, of the receiving surface water. A hardness value of 100 mg/L was used for the calculation (default for the Northern Nichigan).

GG = Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and nonresidential land uses) was derived utilizing 25 percent of the lower explosive level for methane. This equates to 1.25 percent or 8.4E+6 ug/m3 .

H = Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 ug/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

I = Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of $45, from the Superintendent of Documents, Government Printing Office, Washington, DC 20401 (stock number 869-044- 00155-1), or from the DEQ, Remediation and Redevelopment Division (RRD), 525 West Allegan Street, Lansing, Michigan 48933, at cost.

J = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.

JT = Hazardous substance may be present in several isomer forms. The VIAP screening level may be used for the individual isomer provided that it is the sole isomer detected; however, when multiple isomers are detected in a medium, the isomer-specific concentrations must be added together and compared to the most restrictive VIAP screening level of the detected isomers.

M = Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

M = The VIAP screening level may be below target detection limits (TDL). In accordance with Sec. 20120a(10) when the TDL for a hazardous substance is greater than the developed VIAP screening level, the TDL is used to evaluate the risk posed from the pathway.

MM = Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-dependent adjustment factors for those carcinogenic chemicals identified as mutagenic.

mut = Mutagenic cancer

nc = Non-Carcinogenetic

NLV = means hazardous substance is not likely to volatilize under most conditions.

st = Short-term (i.e., less than chronic exposure).

X = The groundwater surface water interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.

Z = Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

Table 2
West State Street Properties
118-136 West State Street and 115 Pine Street
City of Traverse City, Grand Traverse County, Michigan
Otwell Mawby, P.C. Project Number: 20-393A
Groundwater Analytical Data Summary

Analyte - VOCs	CAS #	EGLE Part 201 Drinking Water Criteria	EGLE Part 201 Groundwater Surface Water Interface Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Residential Shallow Groundwater (9/4/20)	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Residential Groundwater Not in Contact (9/4/20)	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Nonresidential Shallow Groundwater (9/4/20, Rev 2/24)	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Nonresidential Groundwater Not in Contact (9/4/20, Rev. Feb 2024)	GP-1 2/8/2021	GP-5 2/8/2021	GP-10 2/8/2021	GP-16 2/9/2021	GP-20 2/9/2021	GP-1 1/5/2023
Parcel Address								124 W State	124 W State	124 W State	130 W State St	130 W State St	122 W State St
Acetone (I)	67641	730	1,700	50,000 (FF) st	4.0E+07 (EE) st	2.0E+05 (FF) st	4.0E+07 (EE) st	ND	ND	ND	ND	ND	ND
Benzene (I)	71432	5.0 (A)	200 (X)	1.0 ca	28 ca	17 ca	130 ca	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	101414	74 (E)	18	2.8 ca	74 ca	56 ca	350 ca	ND	ND	ND	ND	ND	ND
Chloromethane(I)	74873	260	ID	15 nc	380 nc	220 nc	1,100 nc	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156592	70 (A)	620	3.5 nc	95 nc	28 nc	280 nc	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75718	1,700	ID	13 nc	49 nc	820 nc	820 (GW) nc	ND	ND	ND	ND	ND	ND
Trichlorofluoromethene	75694	2,600	NA	22 nc	190 nc	1,100 nc	1,100 (GW) nc	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	43 (JT) nc	1,200 (JT) nc	300 (JT) nc	3,600 (JT) nc	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	63 (E)	17	25 (JT) nc	670 (JT) nc	240 (JT) nc	2,000 (JT) nc	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	72 (E)	45	18 (JT) nc	470 (JT) nc	220 (JT) nc	1,400 (JT) nc	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91576	260	19	66 nc	2,000 nc	230 nc	5,900 nc	ND	ND	ND	ND	ND	ND
Naphthalene	91203	520	11	4.2 (M) ca	130 ca	23 ca	590 ca	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	800	28	0.60 (M) ca	15 ca	13 ca	71 ca	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	80	ID	43 (DD) dev	6,100 (DD) dev	970 (DD) dev	6,100 (DD) dev	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	**5.0 (A)**	60 (X)	**1.5 (FF) st**	130 (EE) st	70 (FF) st	250 (EE) st	ND	**2**	ND	**1.9**	1.3	ND
Toluene (I)	108883	790 (E)	270	300 (FF) st	41,000 nc	6,600 (FF) st	59,000 (EE) st	ND	ND	ND	ND	ND	ND
Vinyl Chloride	75014	2.0 (A)	13 (X)	0.12 (MM) (M) mut	2.1 (MM) mut	21 ca	36 ca	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	280 (E)	49	75 (J) nc	2,000 (J) nc	810 (J) nc	5,900 (J) nc	ND	ND	ND	ND	ND	ND
o-Xylene (I)	1330207	280 (E)	49	75 (J) nc	2,000 (J) nc	810 (J) nc	5,900 (J) nc	ND	ND	ND	ND	ND	ND
Xylene (total, I)	1330207	280 (E)	49	75 (J) nc	2,000 (J) nc	810 (J) nc	5,900 (J) nc	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND
Analyte - PNAs													
PNAs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND
Analyte - Metals													
Arsenic	7440382	**10 (A)**	**10**	NA	NA	NA	NA	ND	**30**	8.3	NA	NA	ND
Barium (B)	7440393	2,000 (A)	G=440	NA	NA	NA	NA	ND	ND	120	NA	NA	ND
Copper (B)	7440508	1,000 (E)	**G=9**	NA	NA	NA	NA	6	**14**	**15**	NA	NA	ND
Chromium III (B,H)	16065831	100 (A)	G=74, X	NA	NA	NA	NA	ND	30	19	ND	ND	ND
Lead (B)	7439921	**4.0 (L)**	G=25, X	NA	NA	NA	NA	ND	ND	**21**	ND	ND	ND
Zinc (B)	7440666	2,400	G=120	NA	NA	NA	NA	ND	55	96	NA	NA	ND
Other Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND*	ND*	ND

Analyte - VOCs	CAS #	EGLE Part 201 Drinking Water Criteria	EGLE Part 201 Groundwater Surface Water Interface Criteria	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Residential Shallow Groundwater (9/4/20)	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Residential Groundwater Not in Contact (9/4/20)	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Nonresidential Shallow Groundwater (9/4/20, Rev 2/24)	EGLE Residential Volatilization to Indoor Air Pathway (VIAP) Nonresidential Groundwater Not in Contact (9/4/20, Rev. Feb 2024)	GP-4 1/5/2023	GP-5 1/5/2023	MW-1S 3/20/2019	MW-1D 3/20/2019	MW-18-03S 3/20/2019	MW-18-03D 3/20/2019
Parcel Address								122 W State St	118 W State St	115 Pine St	115 Pine St	136 W State St	136 W State St
Acetone (I)	67641	730	1,700	50,000 (FF) st	4.0E+07 (EE) st	2.0E+05 (FF) st	4.0E+07 (EE) st	ND	ND	ND	ND	ND	ND
Benzene (I)	71432	5.0 (A)	200 (X)	1.0 ca	28 ca	17 ca	130 ca	ND	ND	ND	ND	ND	ND
Ethylbenzene (I)	101414	74 (E)	18	2.8 ca	74 ca	56 ca	350 ca	ND	ND	ND	ND	ND	ND
Chloromethane(I)	74873	260	ID	15 nc	380 nc	220 nc	1,100 nc	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156592	70 (A)	620	3.5 nc	95 nc	28 nc	280 nc	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75718	1,700	ID	13 nc	49 nc	820 nc	820 (GW) nc	ND	ND	ND	ND	ND	ND
Trichlorofluoromethene	75694	2,600	NA	22 nc	190 nc	1,100 nc	1,100 (GW) nc	ND	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	526738	NC	NC	43 (JT) nc	1,200 (JT) nc	300 (JT) nc	3,600 (JT) nc	ND	ND	2.9	ND	ND	ND
1,2,4-Trimethylbenzene (I)	95636	63 (E)	17	25 (JT) nc	670 (JT) nc	240 (JT) nc	2,000 (JT) nc	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (I)	108678	72 (E)	45	18 (JT) nc	470 (JT) nc	220 (JT) nc	1,400 (JT) nc	ND	ND	1.8	ND	ND	ND
2-Methylnaphthalene	91576	260	19	66 nc	2,000 nc	230 nc	5,900 nc	ND	ND	ND	ND	ND	ND
Naphthalene	91203	520	11	4.2 (M) ca	130 ca	23 ca	590 ca	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98828	800	28	0.60 (M) ca	15 ca	13 ca	71 ca	ND	ND	ND	ND	ND	ND
n-Propylbenzene (I)	103651	80	ID	43 (DD) dev	6,100 (DD) dev	970 (DD) dev	6,100 (DD) dev	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127184	**5.0 (A)**	60 (X)	**1.5 (FF) st**	130 (EE) st	70 (FF) st	250 (EE) st	**1.8**	1.3	ND	ND	**21**	**2.3**
Toluene (I)	108883	790 (E)	270	300 (FF) st	41,000 nc	6,600 (FF) st	59,000 (EE) st	ND	ND	ND	ND	ND	ND
Vinyl Chloride	75014	2.0 (A)	13 (X)	0.12 (MM) (M) mut	2.1 (MM) mut	21 ca	36 ca	ND	ND	ND	ND	ND	ND
m,p-Xylene (I)	1330207	280 (E)	49	75 (J) nc	2,000 (J) nc	810 (J) nc	5,900 (J) nc	ND	ND	ND	ND	ND	ND
o-Xylene (I)	1330207	280 (E)	49	75 (J) nc	2,000 (J) nc	810 (J) nc	5,900 (J) nc	ND	ND	ND	ND	ND	ND
Xylene (total, I)	1330207	280 (E)	49	75 (J) nc	2,000 (J) nc	810 (J) nc	5,900 (J) nc	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND
Analyte - PNAs													
PNAs	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND	NA	NA	NA	NA
Analyte - Metals													
Arsenic	7440382	10 (A)	10	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Barium (B)	7440393	2,000 (A)	G=440	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Copper (B)	7440508	1,000 (E)	G=9	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Chromium III (B,H)	16065831	100 (A)	G=74, X	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA
Lead (B)	7439921	4.0 (L)	G=25, X	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA
Zinc (B)	7440666	2,400	G=120	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Other Metals	Varies	Varies	Varies	Varies	Varies	Varies	Varies	ND	ND*	NA	NA	NA	NA

Notes:

ND = Not Detected
ID = Insufficient data
NA = Not Applicable or Not Analyzed
NC = No Criteria

= GCC and/ or VIAP Screening Level Exceedences

Results compared to EGLE Criteria Lookup Tables, Deccember 21, 2020 and VIAL Screening Levels, September 4, 2020 (Rev. Feb 2024)

All results shown in parts per billion (ug/L)

* Analysis included Cadmium, Chromium and Lead

The shallow groundwater VIAP screening levels must be used when the depth to first encountered groundwater is 10 feet below ground surface or less.

A = Criterion is the State of Michigan drinking water standard.

B = Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

ca = Carcinogenetic

DD = Hazardous substance causes developmental effects. Residential VIAP screening levels are protective of both prenatal exposure using a pregnant female receptor and postnatal exposure using a child receptor. Nonresidential VIAP screening levels are protective of prenatal exposure using a pregnant female receptor. Prenatal developmental effects may occur after an acute (i.e. shortterm) or full-term exposure.

dev = Developmental

E = Criterion is aesthetic drinking water value.

EE = The acceptable air concentration (AAC) for the volatile hazardous substances is not derived using standard equations. The hazardous substance may cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The AAC for these hazardous substances is the acute or intermediate minimum risk level (MRL) developed by the Agency for Toxic Substances and Disease Registry (ATSDR), a United States Environmental Protection Agency Integrated Risk Information System (IRIS) acute reference concentration, or an acute initial threshold screening level (ITSL) by the EGLE's Air Quality Division.

FF = The AAC for the volatile hazardous substances are based on toxicity values that have been identified to have the potential to cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The short-term exposure for shallow groundwater VIAP screening levels are based on modification of the standard equations by the department to develop applicable shallow groundwater VIAP screening levels.

GW = The calculated VIAP screening level for a hazardous substance based upon shallow groundwater is considered protective when it is greater than the calculated value for groundwater.

H = Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 ug/L. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

I = Hazardous substance may exhibit the characteristic of ignitability.

J = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.

JT = Hazardous substance may be present in several isomer forms. The VIAP screening level may be used for the individual isomer provided that it is the sole isomer detected; however, when multiple isomers are detected in a medium, the isomer-specific concentrations must be added together and compared to the most restrictive VIAP screening level of the detected isomers.

M = The VIAP screening level may be below target detection limits (TDL). In accordance with Sec. 20120a(10) when the TDL for a hazardous substance is greater than the developed VIAP screening level, the TDL is used to evaluate the risk posed from the pathway.

MM = Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-dependent adjustment factors for those carcinogenic chemicals identified as mutagenic.

mut = Mutagenic cancer

nc = Non-Carcinogenetic

st = Short-term (i.e., less than chronic exposure).

X = The groundwater surface water interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source. 100 was useed for a hardness value.

Table 3
Soil Gas Analytical Data Summary
West State Street Properties
118-136 West State Street and 115 Pine Street
City of Traverse City, Grand Traverse County, Michigan
Otwell Mawby, P.C. Project # - 20-393A

Parameter	Chemical Abstract Number (CAS Number)	Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Rev. Feb. 2024) Residential Soil Vapor	Nonresidential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Rev. Feb. 2024) Residential Soil Vapor	SG-1 2/10/21	SG-2 2/10/21	SG-3 2/10/21	SG-4 2/10/21	VP-18-02 3/18/19	VP-18-03 3/18/19	SG-5S 11/17/23	SG-5S 2/19/24	SG-5D 11/17/23	SG-5D 2/19/24
Parcel Address				**130 W State**	**130 W State**	**130 W State**	**130 W State**	**115 Pine**	**115 Pine**	**115 Pine**	**115 Pine**	**115 Pine**	**115 Pine**
Acetone	67641	1.0E+06 (EE) st	1.0E+06 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	71432	110 ca	510 ca	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	78933	1.7E+05 (DD) dev	3.3E+05 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND	ND	59
1,3-Butadiene	106990	NSL	NSL	ND	ND	ND	0.99	ND	ND	ND	ND	ND	ND
Chlorobenzene	108907	1,700 nc	5,100 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75003	1.4E+05 nc	4.1E+05 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	67663	37 ca	170 ca	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	74873	3,100 ca	9,200 nc	ND	ND	ND	ND	1.2	1.2	ND	ND	ND	ND
1,3,-Dichlorobenzene	541731	100 nc	310 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106467	220 ca	1,000 ca	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75343	530 ca	2,500 ca	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	75354	7,000 nc	20,000 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	156592	280 nc	820 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethylene	156605	2,800 nc	8,200 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75718	11,000 nc	34,000 nc	ND	ND	ND	ND	1.7	1.5	ND	ND	ND	ND
Ethylbenzene	100414	340 ca	1,600 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Hexane	110543	24,000 nc	72,000 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	1634044	3,300 ca	15,000 ca	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	75092	21,000 nc	61,000 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	127184	**1,400 (EE) st**	2,700 (EE) st	58	63	62	ND	34	17	990	260	**1,800**	740
Toluene	108883	1.7E+05 nc	2.5E+05 (EE) st	ND	ND	ND	ND	1.3	1.5	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120821	70 nc	200 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	79005	1.7E+05 (EE) st	20 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	79016	67 DD) dev	130 (DD) dev	ND	ND	ND	ND	1.6	2.5	ND	ND	1.8	ND
1,2,4-Trimethylbenzene	95636	2,100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	108678	2,100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinly acetate	108054	7,000 nc	20,000 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	75014	54 (MM) mut	910 ca	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (m,p)	1330207	7,600 (J) nc	22,000 (J) nc	ND	ND	ND	ND	1.1	2.3	ND	ND	ND	ND
Xylenes (Total)	1330207	7,600 (J) nc	22,000 (J) nc	ND	ND	ND	ND	1.1	2.3	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury (Total)	Varies	10 nc	31 nc	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND

Notes:

Results compared to Michigan Department of Environment, Great Lakes and Energy (EGLE) Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Rev. Feb. 2024)

Results compared to Michigan Department of Environment, Great Lakes and Energy (EGLE) Nonresidential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Rev. Feb. 2024)

Highlight = Detected concentration is above the noted EGLE Screening Level

Constituents with non-detectable concentrations not shown in Table (See the attached analytical laboratory report for all analyzed constituents)

All concentrations shown in ug/m^3 (micrograms per cubic meter)

ca = Carcinogenetic

DD = Hazardous substance causes developmental effects. Residential VIAP screening levels are protective of both prenatal exposure using a pregnant female receptor and postnatal exposure using a child receptor. Nonresidential VIAP screening levels are protective of prenatal exposure using a pregnant female receptor. Prenatal developmental effects may occur after an acute (i.e. shortterm) or full-term exposure.

dev = Developmental

J = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.

JT = Hazardous substance may be present in several isomer forms. The VIAP screening level may be used for the individual isomer provided that it is the sole isomer detected; however, when multiple isomers are detected in a medium, the isomer-specific concentrations must be added together and compared to the most restrictive VIAP screening level of the detected isomers.

EE = The acceptable air concentration (AAC) for the volatile hazardous substances is not derived using standard equations. The hazardous substance may cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The AAC for these hazardous substances is the acute or intermediate minimum risk level (MRL) developed by the Agency for Toxic Substances and Disease Registry (ATSDR), a United States Environmental Protection Agency Integrated Risk Information System (IRIS) acute reference concentration, or an acute initial threshold screening level (ITSL) by the EGLE's Air Quality Division.

M = The VIAP screening level may be below the target detection limit (TDL). In accordancewith Sec. 20120a(10) when the TDL for a hazardous substance is greater tham the developed VIAP screening level, the TDL is used to evaluate the risk posed from the pathway.

MM = Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-dependent adjustment factors for those carcinogenic chemicals identified as mutagenic.

mut = Mutagenic cancer

NA = Not Analyzed

nc = Non-Carcinogenetic

ND = Not Detected

NSL = No Screening Level Established

st = Short-term (i.e., less than chronic exposure)

Table 3
Soil Gas Analytical Data Summary
West State Street Properties
118-136 West State Street and 115 Pine Street
City of Traverse City, Grand Traverse County, Michigan
Otwell Mawby, P.C. Project # - 20-393A

Parameter	Chemical Abstract Number (CAS Number)	Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/20) Residential Soil Vapor	Nonresidential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Rev. Feb. 2024) Residential Soil Vapor	SG-6S 11/17/23	SG-6S 2/19/24	SG-6D 11/17/23	SG-6D 2/19/24	SG-7S 11/17/23	SG-7S 2/19/24	SG-7D 11/19/23	SG-7D 2/19/24	SG-8S 11/17/23	SG-8S 2/19/24
Parcel Address				**130 W State**	**130 W State**	**130 W State**	**130 W State**	**130 W State**	**130 W State**	**130 W State**	**130 W State**	**130 W State**	**130 W State**
Acetone	67641	1.0E+06 (EE) st	1.0E+06 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	71432	110 ca	510 ca	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	78933	1.7E+05 (DD) dev	3.3E+05 (DD) dev	ND	ND	ND	45	ND	ND	ND	ND	ND	ND
1,3-Butadiene	106990	NSL	NSL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	108907	1,700 nc	5,100 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75003	1.4E+05 nc	4.1E+05 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	67663	37 ca	170 ca	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	74873	3,100 ca	9,200 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,-Dichlorobenzene	541731	100 nc	310 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106467	220 ca	1,000 ca	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75343	530 ca	2,500 ca	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	75354	7,000 nc	20,000 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	156592	280 nc	820 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethylene	156605	2,800 nc	8,200 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75718	11,000 nc	34,000 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	100414	340 ca	1,600 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Hexane	110543	24,000 nc	72,000 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	1634044	3,300 ca	15,000 ca	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	75092	21,000 nc	61,000 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	127184	1,400 (EE) st	2,700 (EE) st	170	74	170	99	ND	ND	ND	ND	ND	ND
Toluene	108883	1.7E+05 nc	2.5E+05 (EE) st	38	ND	60	ND	ND	45	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120821	70 nc	200 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	79005	1.7E+05 (EE) st	20 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	79016	67 DD) dev	130 (DD) dev	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	95636	2,100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	108678	2,100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinly acetate	108054	7,000 nc	20,000 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	75014	54 (MM) mut	910 ca	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (m,p)	1330207	7,600 (J) nc	22,000 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1330207	7,600 (J) nc	22,000 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury (Total)	Varies	10 nc	31 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Results compared to Michigan Department of Environment, Great Lakes and Energy (EGLE) Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Rev. Feb. 2024)

Results compared to Michigan Department of Environment, Great Lakes and Energy (EGLE) Nonresidential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Rev. Feb. 2024)

Highlight = Detected concentration is above the noted EGLE Screening Level

Constituents with non-detectable concentrations not shown in Table (See the attached analytical laboratory report for all analyzed constituents)

All concentrations shown in ug/m^3 (micrograms per cubic meter)

ca = Carcinogenetic

DD = Hazardous substance causes developmental effects. Residential VIAP screening levels are protective of both prenatal exposure using a pregnant female receptor and postnatal exposure using a child receptor. Nonresidential VIAP screening levels are protective of prenatal exposure using a pregnant female receptor. Prenatal developmental effects may occur after an acute (i.e. shortterm) or full-term exposure.

dev = Developmental

J = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.

JT = Hazardous substance may be present in several isomer forms. The VIAP screening level may be used for the individual isomer provided that it is the sole isomer detected; however, when multiple isomers are detected in a medium, the isomer-specific concentrations must be added together and compared to the most restrictive VIAP screening level of the detected isomers.

EE = The acceptable air concentration (AAC) for the volatile hazardous substances is not derived using standard equations. The hazardous substance may cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The AAC for these hazardous substances is the acute or intermediate minimum risk level (MRL) developed by the Agency for Toxic Substances and Disease Registry (ATSDR), a United States Environmental Protection Agency Integrated Risk Information System (IRIS) acute reference concentration, or an acute initial threshold screening level (ITSL) by the EGLE's Air Quality Division.

M = The VIAP screening level may be below the target detection limit (TDL). In accordancewith Sec. 20120a(10) when the TDL for a hazardous substance is greater tham the developed VIAP screening level, the TDL is used to evaluate the risk posed from the pathway.

MM = Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-dependent adjustment factors for those carcinogenic chemicals identified as mutagenic.

mut = Mutagenic cancer

NA = Not Analyzed

nc = Non-Carcinogenetic

ND = Not Detected

NSL = No Screening Level Established

Table 3
Soil Gas Analytical Data Summary
West State Street Properties
118-136 West State Street and 115 Pine Street
City of Traverse City, Grand Traverse County, Michigan
Otwell Mawby, P.C. Project # - 20-393A

st = Short-term (i.e., less than chronic exposure)

Parameter	Chemical Abstract Number (CAS Number)	Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/20) Residential Soil Vapor	Nonresidential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Rev. Feb. 2024) Residential Soil Vapor	SG-8D 11/17/23	SG-8D 2/19/24	SG-9S 11/17/23	SG-9S 2/19/24	SG-9D 11/17/23	SG-9D 2/19/24	SG-10S 11/17/23	SG-10S 2/19/24	SG-10D 11/17/23	SG-10D 2/19/24
Parcel Address				**130 W State**	**130 W State**	**126 W State**	**126 W State**	**126 W State**	**126 W State**	**126 W State**	**126 W State**	**126 W State**	**126 W State**
Acetone	67641	1.0E+06 (EE) st	1.0E+06 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	71432	110 ca	510 ca	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	78933	1.7E+05 (DD) dev	3.3E+05 (DD) dev	ND	45	ND	ND	ND	ND	ND	ND	ND	52
1,3-Butadiene	106990	NSL	NSL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	108907	1,700 nc	5,100 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75003	1.4E+05 nc	4.1E+05 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	67663	37 ca	170 ca	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	74873	3,100 ca	9,200 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,-Dichlorobenzene	541731	100 nc	310 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106467	220 ca	1,000 ca	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75343	530 ca	2,500 ca	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	75354	7,000 nc	20,000 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	156592	280 nc	820 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethylene	156605	2,800 nc	8,200 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75718	11,000 nc	34,000 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	100414	340 ca	1,600 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Hexane	110543	24,000 nc	72,000 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	1634044	3,300 ca	15,000 ca	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	75092	21,000 nc	61,000 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	127184	1,400 (EE) st	2,700 (EE) st	ND	ND	ND	ND	ND	ND	ND	ND	54	ND
Toluene	108883	1.7E+05 nc	2.5E+05 (EE) st	ND	ND	40	ND	55	ND	ND	ND	25	ND
1,2,4-Trichlorobenzene	120821	70 nc	200 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	79005	1.7E+05 (EE) st	20 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	79016	67 DD) dev	130 (DD) dev	ND	ND	13	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	95636	2,100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	108678	2,100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinly acetate	108054	7,000 nc	20,000 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	75014	54 (MM) mut	910 ca	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (m,p)	1330207	7,600 (J) nc	22,000 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1330207	7,600 (J) nc	22,000 (J) nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury (Total)	Varies	10 nc	31 nc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Results compared to Michigan Department of Environment, Great Lakes and Energy (EGLE) Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Rev. Feb. 2024)

Results compared to Michigan Department of Environment, Great Lakes and Energy (EGLE) Nonresidential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Rev. Feb. 2024)

Highlight = Detected concentration is above the noted EGLE Screening Level

Constituents with non-detectable concentrations not shown in Table (See the attached analytical laboratory report for all analyzed constituents)

All concentrations shown in ug/m^3 (micrograms per cubic meter)

ca = Carcinogenetic

DD = Hazardous substance causes developmental effects. Residential VIAP screening levels are protective of both prenatal exposure using a pregnant female receptor and postnatal exposure using a child receptor. Nonresidential VIAP screening levels are protective of prenatal exposure using a pregnant female receptor. Prenatal developmental effects may occur after an acute (i.e. shortterm) or full-term exposure.

dev = Developmental

J = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.

JT = Hazardous substance may be present in several isomer forms. The VIAP screening level may be used for the individual isomer provided that it is the sole isomer detected; however, when multiple isomers are detected in a medium, the isomer-specific concentrations must be added together and compared to the most restrictive VIAP screening level of the detected isomers.

EE = The acceptable air concentration (AAC) for the volatile hazardous substances is not derived using standard equations. The hazardous substance may cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The AAC for these hazardous substances is the acute or intermediate minimum risk level (MRL) developed by the Agency for Toxic Substances and Disease Registry (ATSDR), a United States Environmental Protection Agency Integrated Risk Information System (IRIS) acute reference concentration, or an acute initial threshold screening level (ITSL) by the EGLE's Air Quality Division.

M = The VIAP screening level may be below the target detection limit (TDL). In accordancewith Sec. 20120a(10) when the TDL for a hazardous substance is greater tham the developed VIAP screening level, the TDL is used to evaluate the risk posed from the pathway.

MM = Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-dependent adjustment factors for those carcinogenic chemicals identified as mutagenic.

mut = Mutagenic cancer

NA = Not Analyzed

nc = Non-Carcinogenetic

ND = Not Detected

Table 3
Soil Gas Analytical Data Summary
West State Street Properties
118-136 West State Street and 115 Pine Street
City of Traverse City, Grand Traverse County, Michigan
Otwell Mawby, P.C. Project # - 20-393A

NSL = No Screening Level Established
st = Short-term (i.e., less than chronic exposure)

Parameter	Chemical Abstract Number (CAS Number)	Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (9/4/20) Residential Soil Vapor	Nonresidential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Rev. Feb. 2024) Residential Soil Vapor	SG-11S/ VP-11 11/17/23	SG-11S/ VP-11 2/19/24	Duplicate (SG-5S) 11/17/23	Duplicate (SG-5S) 2/19/24	Field Blank 11/17/23	Field Blank 2/19/24				
Parcel Address				**120 W State**	**120 W State**	**115 Pine**	**115 Pine**						
Acetone	67641	1.0E+06 (EE) st	1.0E+06 (EE) st	ND	ND	ND	ND	ND	ND				
Benzene	71432	110 ca	510 ca	ND	ND	ND	ND	ND	ND				
2-Butanone	78933	1.7E+05 (DD) dev	3.3E+05 (DD) dev	ND	ND	ND	ND	ND	ND				
1,3-Butadiene	106990	NSL	NSL	ND	ND	ND	ND	ND	ND				
Chlorobenzene	108907	1,700 nc	5,100 nc	ND	ND	ND	ND	ND	ND				
Chloroethane	75003	1.4E+05 nc	4.1E+05 nc	ND	ND	ND	ND	ND	ND				
Chloroform	67663	37 ca	170 ca	ND	ND	ND	ND	ND	ND				
Chloromethane	74873	3,100 ca	9,200 nc	ND	ND	ND	ND	ND	ND				
1,3,-Dichlorobenzene	541731	100 nc	310 nc	ND	ND	ND	ND	ND	ND				
1,4-Dichlorobenzene	106467	220 ca	1,000 ca	ND	ND	ND	ND	ND	ND				
1,1-Dichloroethane	75343	530 ca	2,500 ca	ND	ND	ND	ND	ND	ND				
1,1-Dichloroethylene	75354	7,000 nc	20,000 nc	ND	ND	ND	ND	ND	ND				
cis-1,2-Dichloroethylene	156592	280 nc	820 nc	ND	ND	ND	ND	ND	ND				
trans-1,2-Dichloroethylene	156605	2,800 nc	8,200 nc	ND	ND	ND	ND	ND	ND				
Dichlorodifluoromethane	75718	11,000 nc	34,000 nc	ND	ND	ND	ND	ND	ND				
Ethylbenzene	100414	340 ca	1,600 nc	ND	ND	ND	ND	ND	ND				
n-Hexane	110543	24,000 nc	72,000 nc	ND	ND	ND	ND	ND	ND				
Methyl-tert-butyl ether (MTBE)	1634044	3,300 ca	15,000 ca	ND	ND	ND	ND	ND	ND				
Methylene Chloride	75092	21,000 nc	61,000 nc	ND	ND	ND	ND	ND	ND				
Tetrachloroethylene	127184	1,400 (EE) st	2,700 (EE) st	ND	ND	830	280	ND	ND				
Toluene	108883	1.7E+05 nc	2.5E+05 (EE) st	42	ND	ND	ND	ND	ND				
1,2,4-Trichlorobenzene	120821	70 nc	200 nc	ND	ND	ND	ND	ND	ND				
1,1,1-Trichloroethane	79005	1.7E+05 (EE) st	20 nc	ND	ND	ND	ND	ND	ND				
Trichloroethylene	79016	67 DD) dev	130 (DD) dev	ND	ND	ND	ND	ND	ND				
1,2,4-Trimethylbenzene	95636	2,100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND				
1,3,5-Trimethylbenzene	108678	2,100 (JT) nc	6,100 (JT) nc	ND	ND	ND	ND	ND	ND				
Vinly acetate	108054	7,000 nc	20,000 nc	ND	ND	ND	ND	ND	ND				
Vinyl chloride	75014	54 (MM) mut	910 ca	ND	ND	ND	ND	ND	ND				
Xylenes (m,p)	1330207	7,600 (J) nc	22,000 (J) nc	66	ND	ND	ND	ND	ND				
Xylenes (Total)	1330207	7,600 (J) nc	22,000 (J) nc	ND	ND	ND	ND	ND	ND				
Other VOCs	Varies	Varies	Varies	ND	ND	ND	ND	ND	ND				
Mercury (Total)	Varies	10 nc	31 nc	ND	ND	NA	NA	ND	ND				

Notes:

Results compared to Michigan Department of Environment, Great Lakes and Energy (EGLE) Residential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Rev. Feb. 2024)

Results compared to Michigan Department of Environment, Great Lakes and Energy (EGLE) Nonresidential Volatilization to Indoor Air Pathway (VIAP) Screening Levels (Rev. Feb. 2024)

Highlight = Detected concentration is above the noted EGLE Screening Level

Constituents with non-detectable concentrations not shown in Table (See the attached analytical laboratory report for all analyzed constituents)

All concentrations shown in ug/m^3 (micrograms per cubic meter)

ca = Carcinogenetic

DD = Hazardous substance causes developmental effects. Residential VIAP screening levels are protective of both prenatal exposure using a pregnant female receptor and postnatal exposure using a child receptor. Nonresidential VIAP screening levels are protective of prenatal exposure using a pregnant female receptor. Prenatal developmental effects may occur after an acute (i.e. shortterm) or full-term exposure.

dev = Developmental

J = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.

JT = Hazardous substance may be present in several isomer forms. The VIAP screening level may be used for the individual isomer provided that it is the sole isomer detected; however, when multiple isomers are detected in a medium, the isomer-specific concentrations must be added together and compared to the most restrictive VIAP screening level of the detected isomers.

EE = The acceptable air concentration (AAC) for the volatile hazardous substances is not derived using standard equations. The hazardous substance may cause adverse human health effects for less than chronic exposures (i.e. short-term or acute). The AAC for these hazardous substances is the acute or intermediate minimum risk level (MRL) developed by the Agency for Toxic Substances and Disease Registry (ATSDR), a United States Environmental Protection Agency Integrated Risk Information System (IRIS) acute reference concentration, or an acute initial threshold screening level (ITSL) by the EGLE's Air Quality Division.

M = The VIAP screening level may be below the target detection limit (TDL). In accordancewith Sec. 20120a(10) when the TDL for a hazardous substance is greater tham the developed VIAP screening level, the TDL is used to evaluate the risk posed from the pathway.

MM = Hazardous substance is a carcinogen with a mutagenic mode of action. The cancer potency values used in calculating VIAP screening levels are modified using age-dependent adjustment factors for those carcinogenic chemicals identified as mutagenic.

mut = Mutagenic cancer

NA = Not Analyzed

nc = Non-Carcinogenetic

APPENDICES

Appendix A – Investigation Photographs

Appendix B – Soil Boring Logs

Appendix C – Laboratory Analytical Reports

APPENDIX A

Investigation Photographs

The installed onsite EGLE Grant sign

Geoprobe drilling during the investigation

Geoprobe drilling during the investigation

Geoprobe drilling during the investigation

A MacroCore sample interval

Coring of an interior floor for hand auger sampling

Interior hand auguring

PIC screening of soils

West State Street Redevelopment Property **120-136 West State Street & 115 Pine Street** **City of Traverse City, Grand Traverse County, Michigan** **Remedial Investigation**	**Site Photographs**
Otwell Mawby, P.C. **Traverse City, Michigan**	**Date: Oct. and Nov., 2023**

Soil sample collection

An installed flush mount access for a soil gas well

Soil gas sampling in November 2023

Soil gas sampling for VOCs in November 2023

Soil gas sampling for mercury in November 2023

Soil gas sampling for mercury in November 2023

An interior soil gas sampling location

Interior power auger advancement

West State Street Redevelopment Property **120-136 West State Street & 115 Pine Street** **City of Traverse City, Grand Traverse County, Michigan** **Remedial Investigation**	**Site Photographs**
Otwell Mawby, P.C. **Traverse City, Michigan**	**Date: Oct. - Dec., 2023**

Core sampling following power auger advancement

Soil gas mercury sampling in February 2024

Soil gas VOC sampling in February 2024

Soil gas mercury sampling in February 2024

Soil gas mercury sampling in February 2024

Interior soil gas VOC sampling in February 2024

Interior soil gas mercury sampling in February 2024

Duplicate VOC soil gas sampling in February 2024

West State Street Redevelopment Property **120-136 West State Street & 115 Pine Street** **City of Traverse City, Grand Traverse County, Michigan** **Remedial Investigation**	**Site Photographs**
Otwell Mawby, P.C. **Traverse City, Michigan**	**Date: Dec. 2023-Feb. 2024**

APPENDIX B

Soil Boring Logs

Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-69
Date Drilled: November 2, 2023
Drilling Contractor: Pearson

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Concrete	
0						CONCRETE (4")	Boring advanced using a 3" stainless steel hand auger (HA).
						GRAVEL with sand; clayey; tan; moist	
0		HA				SAND; fine to medium grained; silty with building debris; mottled brown/black; moist	
				5		SAND; fine to medium grained; tan; moist	Soil samples collected at 2' and 5'
0						EOB @ 5'	
							Boring backfilled with cuttings and betonite mixture upon completion.
				10			Boring capped with approximately six inches of concrete.
				15			
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 11/2/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

Otwell Mawby, P.C.
309 E. Front Street
Traverse City, MI 49684
231-946-5200
Fax 231-946-5216

Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-70
Date Drilled: October 31, 2023
Drilling Contractor: Pearson
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Asphalt	
0						ASPHALT (3")	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0	36	MC				GRAVEL with sand; tan; moist	
0						SAND; fine to medium grained; moist; - 4" black stained lens at 3'	Soil samples collected at 3' and 5.5'
0				5			
0	36	MC					Boring backfilled with cuttings and betonite mixture upon completion.
0							
				10		EOB @ 10'	Boring capped with approximately six inches of concrete.
				15			
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 10/31/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

Otwell Mawby, P.C.
309 E. Front Street
Traverse City, MI 49684
231-946-5200
Fax 231-946-5216

Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-71
Date Drilled: October 31, 2023
Drilling Contractor: Pearson
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description		Comments
						Surface Conditions: Asphalt		
0						ASPHALT (3")		Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0						GRAVEL with sand; clayey; tan; moist		
0	37	MC				SAND; fine to medium grained; mottled brown/tan; moist		
0				5		-Black Stained Lens (2")		Soil samples collected at 3' and 5.5'
0						SAND; fine to medium grained; tan; moist		
0	35	MC						Boring backfilled with cuttings and betonite mixture upon completion.
0				10		EOB @ 10'		Boring capped with approximately six inches of concrete.
				15				
				20				
				25				
				30				

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data

Water Encountered: None
Date: 10/31/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

Otwell Mawby, P.C.
309 E. Front Street
Traverse City, MI 49684
231-946-5200
Fax 231-946-5216

Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-72
Date Drilled: October 31, 2023
Drilling Contractor: Pearson
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Asphalt	
0						ASPHALT (3")	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0	42	MC				GRAVEL with sand; clayey; tan; moist	
0						SAND; fine to medium grained; mottled brown/tan; moist	Soil samples collected at 9' and 11'
0				5			
0	41	MC					Boring backfilled with cuttings and betonite mixture upon completion.
0						Silty SAND with brick fragments; black stained	
0				10		SAND; fine to medium grained; tan; moist	Boring capped with approximately six inches of concrete.
0							
0	24	MC					
0				15		EOB @ 15'	
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 10/31/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

Otwell Mawby, P.C.
309 E. Front Street
Traverse City, MI 49684
231-946-5200
Fax 231-946-5216

Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-73
Date Drilled: October 31, 2023
Drilling Contractor: Pearson
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Grass	
0						TOPSOIL (6")	
0	42	MC				Poorly graded SAND; mostly medium to fine sand; tan; moist	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0						Poorly graded SAND; mostly medium to fine sand; silty; stained black/brown; moist	
				5			Soil samples collected at 3.5' and 6.5'
0						Poorly graded SAND; mostly medium to fine sand; tan; moist - 1" wood fiber lens at 7'	
0	39	MC					Boring backfilled with cuttings and betonite mixture upon completion.
0							
				10		EOB @ 10'	
				15			
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 10/31/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

Otwell Mawby, P.C.
309 E. Front Street
Traverse City, MI 49684
231-946-5200
Fax 231-946-5216

Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-75
Date Drilled: November 1, 2023
Drilling Contractor: Pearson
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Asphalt	
0						ASPHALT (3")	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0	47	MC				GRAVEL with sand; clayey; tan; moist	
0						Poorly graded SAND; mostly medium to fine sand with some silt; mottled brown/tan; moist	Soil samples collected at 3' and 5'
0				5		Poorly graded SAND; mostly medium to fine sand; tan; moist	
0	44	MC					Boring backfilled with cuttings and betonite mixture upon completion.
0				10		EOB @ 10'	Boring capped with approximately six inches of concrete.
				15			
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 11/1/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

Otwell Mawby, P.C.
309 E. Front Street
Traverse City, MI 49684
231-946-5200
Fax 231-946-5216

Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-76
Date Drilled: November 1, 2023
Drilling Contractor: Pearson

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Asphalt	
0						ASPHALT (3")	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0	44	MC				GRAVEL with sand; clayey; tan; moist	
0						Poorly graded SAND; mostly medium to fine sand with some silt; brown; moist	
				5		Poorly graded SAND; mostly medium to fine sand; tan; moist	Soil samples collected at 4' and 6'
0						Poorly graded SAND; mostly medium to fine sand with some silt; stained black; moist	
0	40	MC				Poorly graded SAND; mostly medium to fine sand; tan; moist	Boring backfilled with cuttings and betonite mixture upon completion.
0				10		EOB @ 10'	Boring capped with approximately six inches of concrete.
				15			
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 11/1/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

Otwell Mawby, P.C.
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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-77
Date Drilled: November 1, 2023
Drilling Contractor: Pearson

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Asphalt	
0						ASPHALT (3")	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0	42	MC				GRAVEL with sand; clayey; tan; moist	
0						Poorly graded SAND; mostly medium to fine sand; brown; moist	Soil samples collected at 3' and 5'
0				5		Poorly graded SAND; mostly medium to fine sand with some silt; stained black; moist	
0	33	MC				Poorly graded SAND; mostly medium to fine sand; tan; moist	Boring backfilled with cuttings and betonite mixture upon completion.
0				10		EOB @ 10'	Boring capped with approximately six inches of concrete.
				15			
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 11/1/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-78
Date Drilled: November 1, 2023
Drilling Contractor: Pearson

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Asphalt	
0						ASPHALT (3")	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0	48	MC				GRAVEL with sand; clayey; tan; moist	
0						Poorly graded SAND; mostly medium to fine sand with some silt; mottled brown/black; moist	Soil sample collected at 2.5' and 4'
0				5		Poorly graded SAND; mostly medium to fine sand; tan; moist	
0	46	MC					Boring backfilled with cuttings and betonite mixture upon completion.
0				10		EOB @ 10'	Boring capped with approximately six inches of concrete.
				15			
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data

Water Encountered: None
Date: 11/1/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-79
Date Drilled: November 2, 2023
Drilling Contractor: Pearson
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description		Comments
						Surface Conditions: Asphalt		
0						ASPHALT (3")		Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0						GRAVEL with sand; clayey; tan; moist		
0	46	MC				Poorly graded SAND; mostly medium to fine sand; tan; moist		Soil samples collected at 2' and 4'
				5		EOB @ 5'		Boring backfilled with cuttings and betonite mixture upon completion.
				10				Boring capped with approximately six inches of concrete.
				15				
				20				
				25				
				30				

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 11/2/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-80
Date Drilled: November 2, 2023
Drilling Contractor: Pearson

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Asphalt	
0						ASPHALT (3")	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0	43	MC				GRAVEL with sand; clayey; tan; moist	
0						Poorly graded SAND; mostly medium to fine sand with building debris; mottled brown/black; moist	Soil samples collected at 3' and 6'
0				5		Poorly graded SAND; mostly medium to fine sand; tan; moist	
0	37	MC					Boring backfilled with cuttings and betonite mixture upon completion.
0				10		EOB @ 10'	Boring capped with approximately six inches of concrete.
				15			
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data

Water Encountered: None
Date: 11/2/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-81
Date Drilled: November 2, 2023
Drilling Contractor: Pearson
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description		Comments
						Surface Conditions: Grass		
0						TOPSOIL (6")		Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0	40	MC				Poorly graded SAND; mostly medium to fine sand with building debris; black; moist		
0						Poorly graded SAND; mostly medium to fine sand; tan; moist		Soil samples collected at 1.5' and 4'
				5		EOB @ 5'		Boring backfilled with cuttings and betonite mixture upon completion.
				10				
				15				
				20				
				25				
				30				

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 11/2/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-82
Date Drilled: November 2, 2023
Drilling Contractor: Pearson

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Asphalt	
0						ASPHALT (3")	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0	40	MC				GRAVEL with sand; clayey; tan; moist	
0						Poorly graded SAND; mostly medium to fine sand with building debris; mottled brown/black; moist	Soil samples collected at 1.5' and 4'
				5		Poorly graded SAND; mostly medium to fine sand; tan; moist	
						EOB @ 5'	Boring backfilled with cuttings and betonite mixture upon completion.
				10			Boring capped with approximately six inches of concrete.
				15			
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 11/2/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-83
Date Drilled: November 2, 2023
Drilling Contractor: Pearson
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description		Comments
						Surface Conditions: Asphalt		
0						ASPHALT (3")		Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0	37	MC				GRAVEL with sand; clayey; tan; moist		
0						Poorly graded SAND; mostly medium to fine sand with some silt; mottled gray/black; moist		Soil samples collected at 2' and 5'
				5		Poorly graded SAND; mostly medium to fine sand; tan; moist		
						EOB @ 5'		Boring backfilled with cuttings and betonite mixture upon completion.
				10				Boring capped with approximately six inches of concrete.
				15				
				20				
				25				
				30				

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 11/2/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-84
Date Drilled: November 2, 2023
Drilling Contractor: Pearson

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Asphalt	
0						ASPHALT (3")	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0	49	MC				GRAVEL with sand; clayey; tan; moist	
0						Poorly graded SAND; mostly medium to fine sand with some silt; stained black; moist	Soil samples collected at 1.5' and 4'
				5		Poorly graded SAND; mostly medium to fine sand; tan; moist	
						EOB @ 5'	Boring backfilled with cuttings and betonite mixture upon completion.
				10			Boring capped with approximately six inches of concrete.
				15			
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 11/2/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-85
Date Drilled: November 2, 2023
Drilling Contractor: Pearson
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description		Comments
						Surface Conditions: Asphalt		
0						ASPHALT (3")		Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0	40	MC				GRAVEL with sand; clayey; tan; moist		
0						Poorly graded SAND; mostly medium to fine sand with some silt; brown; moist		Soil samples collected at 1' and 3'
				5		Poorly graded SAND; mostly medium to fine sand; tan; moist		
						EOB @ 5'		Boring backfilled with cuttings and betonite mixture upon completion.
				10				Boring capped with approximately six inches of concrete.
				15				
				20				
				25				
				30				

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 11/2/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-86
Date Drilled: November 2, 2023
Drilling Contractor: Pearson
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description		Comments
						Surface Conditions: Asphalt		
0						ASPHALT (3")		Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0	42	MC				GRAVEL with sand; clayey; tan; moist		
0						Poorly graded SAND; mostly medium to fine sand with some silt; brown; moist		Soil samples collected at 2' and 3'
				5		Poorly graded SAND; mostly medium to fine sand; tan; moist		
						EOB @ 5'		Boring backfilled with cuttings and betonite mixture upon completion.
				10				Boring capped with approximately six inches of concrete.
				15				
				20				
				25				
				30				

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 11/2/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-87
Date Drilled: November 2, 2023
Drilling Contractor: Pearson

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Landscaping Rocks	
0						COBBLE (Landscaping)	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0	39	MC				Poorly graded SAND; mostly medium to fine sand with some silt; mottled brown/black; moist	
0				5		Poorly graded SAND; mostly medium to fine sand; tan; moist	Soil samples collected at 2' and 5'
0							
0	41	MC					Boring backfilled with cuttings and betonite mixture upon completion.
0				10		EOB @ 10'	
				15			
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 11/2/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
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Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-88
Date Drilled: November 2, 2023
Drilling Contractor: Pearson
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Landscaping Rocks	
0						COBBLE (Landscaping)	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0	38	MC				Poorly graded SAND; mostly medium to fine sand; tan; moist	
0				5			Soil samples collected at 2' and 4'
0							
0	40	MC					Boring backfilled with cuttings and betonite mixture upon completion.
0				10		EOB @ 10'	
				15			
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 11/2/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-89
Date Drilled: October 31, 2023
Drilling Contractor: Pearson
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description		Comments
						Surface Conditions: Grass		
0						TOPSOIL (9")		Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0	40	MC				Poorly graded SAND; mostly medium to fine sand; tan; moist		
0				5				Soil samples collected at 2', 4', 7', 9', 12', 14', 16', and 18'
0								
0	41	MC						Boring backfilled with cuttings and betonite mixture upon completion.
0				10				
0								
0	40	MC						
0				15				
0								
0	48	MC						
0				20		EOB @ 20'		
				25				
				30				

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: 16.5' +/-
Date: 10/31/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-90
Date Drilled: October 31, 2023
Drilling Contractor: Pearson

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Grass	
0						TOPSOIL (6")	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0	38	MC				Poorly graded SAND; mostly medium to fine sand; tan; moist - 3" brown sand lens at 3'	
0				5			Soil samples collected at 2', 4', 6', 8', 10', 12', 14', and 16'
0							
0	29	MC					Boring backfilled with cuttings and betonite mixture upon completion.
0				10			
0							
0	36	MC					
0				15		- grades wet	
0							
0	35	MC					
0				20		EOB @ 20'	
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: 15' +/-
Date: 10/31/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-91
Date Drilled: October 31, 2023
Drilling Contractor: Pearson

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Grass	
0						TOPSOIL (6")	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0	35	MC				Poorly graded SAND; mostly medium to fine sand; tan; moist - 3" brown sand lens at 3'	
0				5			Soil samples collected at 1', 3', 5', 7', 9', 11', 14', and 17'
0							
0	28	MC					Boring backfilled with cuttings and betonite mixture upon completion.
0				10			
0							
0	34	MC					
0				15		- grades wet	
0							
0	38	MC					
0				20		EOB @ 20'	
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: 15' +/-
Date: 10/31/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-92
Date Drilled: October 31, 2023
Drilling Contractor: Pearson
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Grass	
0						TOPSOIL (6")	
0	35	MC				Poorly graded SAND; mostly medium to fine sand; tan; moist - 3" brown sand lens at 3'	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0				5			Soil samples collected at 3', 5', 7', 9', 11', 13', 15', and 17'
0							
0	30	MC					Boring backfilled with cuttings and betonite mixture upon completion.
0				10			
0							
0	37	MC					
0				15		- grades wet	
2						- gray smear zone from 17' to 20'	
15	48	MC					
1				20		EOB @ 20'	
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: 16' +/-
Date: 10/31/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
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Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-93
Date Drilled: October 31, 2023
Drilling Contractor: Pearson
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Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Grass	
0						TOPSOIL (4")	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0	29	MC				Poorly graded SAND; mostly medium to fine sand; tan; moist	
0				5			Soil samples collected at 2', 4', 6', 8', 10', 12', 14', and 16'
0							
0	32	MC					Boring backfilled with cuttings and betonite mixture upon completion.
0				10			
0							
0	37	MC					
0				15		- grades wet	
0							
0	41	MC					
0				20		EOB @ 20'	
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: 15' +/-
Date: 10/31/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-94
Date Drilled: October 31, 2023
Drilling Contractor: Pearson
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Grass	
0						TOPSOIL (6")	
0	43	MC				Poorly graded SAND; mostly medium to fine sand; tan; moist	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0				5			Soil samples collected at 3', 5', 7', 9', 11', 13', 15', 17', and waste characterization
0						- 2" brown sand lens at 7'	
0	40	MC					Temporary well developed and sampled 11/2/2023.
0				10			
0							Boring backfilled with cuttings and betonite mixture upon completion.
0	41	MC					
0				15		- grades wet	
0							
0	44	MC					
0				20		EOB @ 20'	
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: 1" PVC
Screen: 0.010
Screen Setting: 14-19'

Well Construction / Boring Data
Water Encountered: 16' +/-
Date: 10/31/2023
Logging Method: Visual/Manual
Development Method: Peristaltic Pump

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-95
Date Drilled: November 1, 2023
Drilling Contractor: Pearson

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Grass	
0						TOPSOIL (6")	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0	40	MC				Poorly graded SAND; mostly medium to fine sand; tan; moist	
0				5			Soil samples collected at 2', 4', 6', 8', 10', 12', 14', 18', and waste characterization
0							
0	37	MC					Temporary well developed and sampled 11/2/2023.
0				10			
0							Boring backfilled with cuttings and betonite mixture upon completion.
0	47	MC					
0				15			
4						- grades wet	
18	44	MC				- gray smear zone from 17' to 20'	
6				20		EOB @ 20'	
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: 1" PVC
Screen: 0.010
Screen Setting: 15-20'

Well Construction / Boring Data
Water Encountered: 17' +/-
Date: 11/1/2023
Logging Method: Visual/Manual
Development Method: Peristaltic Pump

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-96
Date Drilled: October 31, 2023
Drilling Contractor: Pearson
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Concrete	
0						CONCRETE (8")	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0		MC				Poorly graded SAND; mostly medium to fine sand with trace silt; dark brown; moist	
0						- grades brown, with less silt	Soil samples collected at 3', 5', 7', 9', 11', 13', 16', and 18'
0				5			
0		MC					Boring backfilled with cuttings and betonite mixture upon completion.
0							
0				10			Boring capped with approximately six inches of concrete.
0		MC					
0							
				15		- grades wet	
5.5							
47.6		MC				- dark staining from 18', odor present	
				20		EOB @ 20'	
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: 16.5' +/-
Date: 10/31/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: MK

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: GP-97
Date Drilled: October 31, 2023
Drilling Contractor: Pearson

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description		Comments
						Surface Conditions: Concrete		
0						CONCRETE (6")		
0	42	MC				Poorly graded SAND; mostly medium to fine sand with trace silt; dark brown; moist		Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0						- grades brown, with less silt		
				5				Soil samples collected at 3', 5', 7', 9', 11', 13', 15', and 18'
0								
0		MC						Boring backfilled with cuttings and betonite mixture upon completion.
0								
				10				Boring capped with approximately six inches of concrete.
0								
0		MC						
0								
				15				
						- grades wet		
								PID battery depleted after 15'
		MC				- grades with dark staining, odor present		
				20				
						EOB @ 20'		
				25				
				30				

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: 16' +/-
Date: 10/31/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: MK

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: SG-5
Date Drilled: October 31, 2023
Drilling Contractor: Pearson

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Asphalt	
0						TOPSOIL (20")	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0	39	MC				Poorly graded SAND; mostly medium to fine sand; tan; moist	
0				5			No soil samples collected
0							
0	31	MC					Boring backfilled with layers of well sand and hydrated bentonite as depicted.
0				10			
0							Vapor points placed at 5' and 10' below ground level.
0	30	MC				Poorly graded SAND; mostly medium to fine sand with trace silt; brown; moist	
0				15		Poorly graded SAND; mostly medium to fine sand; tan; moist	
						EOB @ 15'	
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data

Water Encountered: None
Date: 10/31/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: SG-6
Date Drilled: November 1, 2023
Drilling Contractor: Pearson

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Asphalt	
0						ASPHALT (3")	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0	43	MC				GRAVEL with sand; clayey; tan; moist	
0						Poorly graded SAND; mostly medium to fine sand with some silt; mottled black/brown; moist	
				5			No soil samples collected
0						Poorly graded SAND; mostly medium to fine sand; tan; moist	
0	45	MC					Boring backfilled with layers of well sand and hydrated bentonite as depicted.
0				10			Vapor points placed at 5' and 10' below ground level.
						EOB @ 11'	
				15			
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 11/1/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: SG-7
Date Drilled: November 2, 2023
Drilling Contractor: Pearson
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Landscape Mulch	
0						TOPSOIL (7")	
0	42	MC				Poorly graded SAND; mostly medium to fine sand; gray; moist - grades tan	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0				5			No soil samples collected
0							
0	44	MC					Boring backfilled with layers of well sand and hydrated bentonite as depicted.
0				10			Vapor points placed at 5' and 10' below ground level.
						EOB @ 11'	
				15			
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 11/2/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: SG-8
Date Drilled: November 2, 2023
Drilling Contractor: Pearson
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Landscape Mulch	
0						TOPSOIL (3")	
0	44	MC				Poorly graded SAND; mostly medium to fine sand; tan; moist	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0				5			No soil samples collected
0							
0	45	MC					Boring backfilled with layers of well sand and hydrated bentonite as depicted.
0				10			Vapor points placed at 5' and 10' below ground level.
						EOB @ 11'	
				15			
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 11/2/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: SG-9
Date Drilled: November 1, 2023
Drilling Contractor: Pearson

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Asphalt	
0						ASPHALT (3")	
0	41	MC				GRAVEL with sand; clayey; tan; moist	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0				5		Poorly graded SAND; mostly medium to fine sand; tan; moist	No soil samples collected
0							
0	45	MC					Boring backfilled with layers of well sand and hydrated bentonite as depicted.
0				10			Vapor points placed at 5' and 10' below ground level.
						EOB @ 11'	
				15			
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 11/1/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: SG-10
Date Drilled: November 1, 2023
Drilling Contractor: Pearson

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Grass	
0						TOPSOIL (3")	
0	38	MC				Poorly graded SAND; mostly medium to fine sand; tan; moist	Boring advanced using a Geoprobe 7822DT with a MacroCore (MC) sampler.
0				5		Poorly graded SAND; mostly medium to fine sand with silt and building debris; mottled brown/tan; moist	No soil samples collected
0							
0	36	MC				Poorly graded SAND; mostly medium to fine sand; tan; moist	Boring backfilled with layers of well sand and hydrated bentonite as depicted.
0				10			Vapor points placed at 5' and 10' below ground level.
	5					EOB @ 11'	
				15			
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 11/1/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: WP
Helper: BF
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: SG-11
Date Drilled: October 11, 2023
Drilling Contractor: OMPC
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Concrete	
0						CONCRETE (2")	
0		HA				Poorly graded SAND; mostly medium to fine sand; tan; moist - grades dry, with gravel	Boring advanced using a portable drill to penetrate the floor slab followed by a stainless steel hand auger (HA).
0				5			No soil samples collected
0						Poorly graded SAND; mostly medium to fine sand; brown with black streak; dry -grades tan with more dark brown streaking at 7'	
0		HA		10		EOB @ 8.83'	
				15			Soil caved at 106" and filled back to 103", after three attempts and adding water, soil continued to cave.
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 10/11/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: JP
Helper: SH
Logged By: JP

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: HA-5
Date Drilled: December 7, 2023
Drilling Contractor: OMPC
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Concrete	
						CONCRETE (8")	Boring advanced using a portable concrete drill to penetrate the floor slab followed by use of a 3" hollow stem flighted auger with a 24" recovery probe.
0		HA				Silty SAND; medium to fine grained; black; dry	
						SAND; medium to fine grained; tan; dry	
0	18	MC		5		-grades gray	Soil samples collected at 1' and 6.5'
						-grades orange-brown, moist	
0	17	MC				-grades tan	
						EOB @ 7'	Boring backfilled with cuttings and betonite mixture upon completion.
				10			Boring capped with approximately six inches of concrete.
				15			
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data

Water Encountered: None
Date: 12/7/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: JP
Helper: SH
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: HA-6
Date Drilled: October 12, 2023
Drilling Contractor: OMPC
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description		Comments
						Surface Conditions: Concrete		
0		HA				CONCRETE (2")		Boring advanced using a portable drill to penetrate the floor slab followed by a stainless steel hand auger (HA).
						Poorly graded SAND; mostly medium to fine sand with silt, trace gravel and occasional cobbles; tan; dry		
						EOB @ 2'		No soil samples collected
				5				
				10				
				15				Soil caved at 2', pouring water to prevent caving failed.
				20				
				25				
				30				

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 10/11/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: JY
Helper: JP
Logged By: JY

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: HA-6
Date Drilled: December 7, 2023
Drilling Contractor: OMPC
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Depth (feet)	Soil Type	Soil Description	Comments
					Surface Conditions: Concrete	
					CONCRETE (5")	
0	8	MC			SAND; medium to fine grained; with gravel; tan; dry	Boring advanced using a portable concrete drill to penetrate the floor slab followed by use of a 3" hollow stem flighted auger with a 24" recovery probe.
0	4	MC	5			Soil samples collected at 9' and 11'
0	6	MC			SAND; mostly fine grained; tan; dry	Soil hydrated from 5' with distilled water
	0	MC			-Possible void @ 7' - 8'	
0	16	MC				
			10		Silty SAND; medium to fine grained; dark brown; dry	Boring backfilled with cuttings and betonite mixture upon completion.
0	15	MC			SAND; medium to fine grained; tan; dry	
					EOB @ 12'	Boring capped with approximately six inches of concrete.
			15			
			20			
			25			
			30			

Well Construction / Boring Data

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Water Encountered: None
Date: 12/7/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: JP
Helper: SH
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: HA-7
Date Drilled: December 7, 2023
Drilling Contractor: OMPC
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description		Comments
						Surface Conditions: Concrete		
						CONCRETE (5")		Boring advanced using a portable concrete drill to penetrate the floor slab followed by use of a 3" hollow stem flighted auger with a 24" recovery probe.
0	18	HA				SAND; medium to fine grained; with gravel; tan; dry		
						-grades with brick fragments		
0	11	MC		5		Silty SAND; mostly fine grained; dark brown; dry		Soil samples collected at 6' and 8.5'
0	16	MC						-refusal at 9'
0	12	MC				SAND; medium to fine grained; tan; dry		
						EOB @ 9'		Boring backfilled with cuttings and betonite mixture upon completion.
				10				Boring capped with approximately six inches of concrete.
				15				
				20				
				25				
				30				

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 12/7/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: JP
Helper: SH
Logged By: SH

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: HA-10
Date Drilled: November 27, 2023
Drilling Contractor: OMPC
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Concrete	
						CONCRETE (4")	
0		HA				SAND; medium to fine grained; tan; dry	Boring advanced using a portable concrete drill to penetrate the floor slab followed by use of a 3" hollow stem flighted auger with a 24" recovery probe.
0	10	MC		5		-grades orange-tan	Soil samples collected at 3.5'
0	7	MC				Silty SAND; mostly fine grained; dark brown; dry	Soil hydrated from 4' to 6' with distilled water
0						SAND; medium to fine grained; tan; dry	
				10		EOB @ 5'	Boring backfilled with cuttings and betonite mixture upon completion.
				15			Boring capped with approximately six inches of concrete.
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 11/27/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: SH
Helper: WM
Logged By: WM

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: HA-11
Date Drilled: November 27, 2023
Drilling Contractor: OMPC
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description		Comments
						Surface Conditions: Concrete		
						CONCRETE (4")		Boring advanced using a portable concrete drill to penetrate the floor slab followed by use of a 3" hollow stem flighted auger with a 24" recovery probe.
0	7	HA				Pooly Graded SAND; medium to fine grained; brown; dry		
0	5	MC		5				Soil samples collected at 2', 4', 6', and 8'
0	17	MC				-grades moist		Soil hydrated from 1' to 3' with distilled water
0	16	MC				-grades tan		
						EOB @ 9'		Boring backfilled with cuttings and betonite mixture upon completion.
				10				Boring capped with approximately six inches of concrete.
				15				
				20				
				25				
				30				

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 11/27/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: SH
Helper: WM
Logged By: WM

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Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: HA-13
Date Drilled: October 11, 2023
Drilling Contractor: OMPC
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description	Comments
						Surface Conditions: Concrete	
0						CONCRETE (2")	Boring advanced using a portable drill to penetrate the floor slab followed by a stainless steel hand auger (HA).
0		HA				Poorly graded SAND; mostly medium to fine sand with concrete chunks, dark brown; moist	
0		HA		5		Poorly graded SAND; mostly medium to fine sand; tan with brown streaks	Soil samples collected of the slab, at 0.5', 3', and 5'
						Auger Refusal; EOB @ 7'	
				10			
				15			
				20			
				25			
				30			

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 10/11/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: JP
Helper: SH
Logged By: JP

Otwell Mawby, P.C.
309 E. Front Street
Traverse City, MI 49684
231-946-5200
Fax 231-946-5216

Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: HA-13
Date Drilled: October 11, 2023
Drilling Contractor: OMPC
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description		Comments
						Surface Conditions: Concrete		
0						CONCRETE (2")		Boring advanced using a portable drill to penetrate the floor slab followed by a stainless steel hand auger (HA).
0		HA				Poorly graded SAND; mostly medium to fine sand with concrete chunks, dark brown; moist		
0		HA		5		Poorly graded SAND; mostly medium to fine sand; tan with brown streaks		Soil samples collected below the slab, at 0.5', 3', and 5'
						Auger Refusal; EOB @ 7'		
				10				
				15				
				20				
				25				
				30				

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 10/11/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: JP
Helper: SH
Logged By: JP

Otwell Mawby, P.C.
309 E. Front Street
Traverse City, MI 49684
231-946-5200
Fax 231-946-5216

Client: Traverse City Downtown Development
Project: West State Street Redevelopment, 20-393A
Location: 120-136 West State Street & 115 Pine Street, Traverse City, Michigan

Boring Log Of: HA-14
Date Drilled: October 11, 2023
Drilling Contractor: OMPC
Page 1 of 1

Photoionization Detector (PID)	Recovery	Sample Method	Sample Type/Interval	Depth (feet)	Soil Type	Soil Description		Comments
						Surface Conditions: Concrete		
0		HA		0		CONCRETE (4")		Boring advanced using a portable drill to penetrate the floor slab followed by a stainless steel hand auger (HA).
						Poorly graded SAND; mostly medium to fine sand; tan; moist		
						EOB @ 2'		Soil sample collected at 1'
				5				
				10				
				15				
				20				
				25				
				30				

Top of Casing : N/A
Ground Elev.: N/A
Casing: N/A
Screen: N/A
Screen Setting: N/A

Well Construction / Boring Data
Water Encountered: None
Date: 10/11/2023
Logging Method: Visual/Manual
Development Method: N/A

Driller: JP
Helper: SH
Logged By: JP

Otwell Mawby, P.C.
309 E. Front Street
Traverse City, MI 49684
231-946-5200
Fax 231-946-5216

APPENDIX C

Laboratory Analytical Reports
(Soil, Groundwater and Soil Gas)

Fibertec environmental services
A METIRI GROUP COMPANY

Monday, November 20, 2023

Fibertec Project Number:	A18338
Project Identification:	West State Street/20-393A /20-393A
Submittal Date:	11/09/2023

Mr. James Jackson
Otwell Mawby
309 E. Front St.
Traverse City, MI 49684

Dear Mr. Jackson,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 7 calendar days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

By Sue Ricketts at 1:11 PM, Nov 20, 2023

For Heather L. Smith
Director of Laboratory Operations

Enclosures

Analytical Laboratory Report
Laboratory Project Number: A18338
Laboratory Sample Number: A18338-001

Order: A18338
Date: 11/20/23

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-5S**	Chain of Custody:	**221062**
Client Project Name:	**West State Street/20-393A**	Sample No:	**1**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-001** **Matrix: Air**
Method: EPA TO-15 **Description: SG-5S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
2. Benzene	U		µg/m3	19	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
3. Benzyl Chloride	U		µg/m3	6.2	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
4. Bromodichloromethane	U		µg/m3	8.0	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
5. Bromoform	U		µg/m3	62	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
6. Bromomethane	U		µg/m3	23	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
8. 2-Butanone	U		µg/m3	35	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
11. Chlorobenzene	U		µg/m3	28	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
12. Chloroethane	U		µg/m3	16	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
13. Chloroform	U		µg/m3	5.9	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
14. Chloromethane	U		µg/m3	12	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
15. Cyclohexane	U		µg/m3	41	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
16. Dibromochloromethane	U		µg/m3	4.1	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
29. 1,4-Dioxane	U	V+ L+	µg/m3	22	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
31. Ethylbenzene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
33. n-Heptane	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
35. n-Hexane	U		µg/m3	42	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-5S**	Chain of Custody:	**221062**
Client Project Name:	**West State Street/20-393A**	Sample No:	**1**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-001** **Matrix: Air**
Method: EPA TO-15 **Description: SG-5S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
39. Methylene Chloride	U		µg/m3	42	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
40. MTBE	U	L+	µg/m3	22	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
‡ 41. Naphthalene	U		µg/m3	19	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
42. Styrene	U		µg/m3	51	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
44. Tetrachloroethene	**990**		µg/m3	41	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
46. Toluene	U		µg/m3	23	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
50. Trichloroethene	U		µg/m3	1.6	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
51. Trichlorofluoromethane	U		µg/m3	34	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
55. Vinyl Acetate	U	V+ L+	µg/m3	42	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
56. Vinyl Chloride	U		µg/m3	15	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
57. m&p-Xylene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
58. o-Xylene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY
‡ 59. Xylenes	U		µg/m3	100	4.0	11/13/23	VQ23K13A	11/13/23 20:09	VQ23K13A	CY

Surrogate Summary

			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**96**	%	80-120	VQ	VQ23K13A	11/13/2023 20:09	1	VQ400

Mercury **Aliquot ID: A18338-001A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-5S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	11/16/23	PM23K16A	11/17/23	M723K17A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-5D**	Chain of Custody:	**221062**
Client Project Name:	**West State Street/20-393A**	Sample No:	**2**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-002** **Matrix: Air**
Method: EPA TO-15 **Description: SG-5D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	83	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
2. Benzene	U		µg/m3	19	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
3. Benzyl Chloride	U		µg/m3	6.2	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
4. Bromodichloromethane	U		µg/m3	8.0	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
5. Bromoform	U		µg/m3	62	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
6. Bromomethane	U		µg/m3	23	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
7. 1,3-Butadiene	U		µg/m3	4.7	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
8. 2-Butanone	U		µg/m3	62	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
‡ 9. Carbon Disulfide	U		µg/m3	37	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
10. Carbon Tetrachloride	U		µg/m3	7.5	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
11. Chlorobenzene	U		µg/m3	28	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
12. Chloroethane	U		µg/m3	16	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
13. Chloroform	U		µg/m3	5.9	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
14. Chloromethane	U		µg/m3	12	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
15. Cyclohexane	U		µg/m3	41	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
16. Dibromochloromethane	U		µg/m3	4.1	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
17. 1,2-Dichlorobenzene	U		µg/m3	36	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
18. 1,3-Dichlorobenzene	U		µg/m3	36	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
19. 1,4-Dichlorobenzene	U		µg/m3	36	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
20. Dichlorodifluoromethane	U		µg/m3	30	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
21. 1,1-Dichloroethane	U		µg/m3	24	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
22. 1,2-Dichloroethane	U		µg/m3	4.9	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
23. 1,1-Dichloroethene	U		µg/m3	24	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
24. cis-1,2-Dichloroethene	U		µg/m3	24	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
25. trans-1,2-Dichloroethene	U		µg/m3	24	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
26. 1,2-Dichloropropane	U		µg/m3	28	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
27. cis-1,3-Dichloropropene	U		µg/m3	27	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
28. trans-1,3-Dichloropropene	U		µg/m3	27	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
29. 1,4-Dioxane	U	V+ L+	µg/m3	22	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
‡ 30. Ethyl Acetate	U		µg/m3	43	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
31. Ethylbenzene	U		µg/m3	52	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
32. Ethylene Dibromide	U		µg/m3	1.6	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
33. n-Heptane	U		µg/m3	49	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
34. Hexachlorobutadiene	U		µg/m3	8.1	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
35. n-Hexane	U		µg/m3	42	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
‡ 36. 2-Hexanone	U		µg/m3	85	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY

Analytical Laboratory Report
Laboratory Project Number: A18338
Laboratory Sample Number: A18338-002

Order: A18338
Date: 11/20/23

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-5D**	Chain of Custody:	**221062**
Client Project Name:	**West State Street/20-393A**	Sample No:	**2**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-002** **Matrix: Air**
Method: EPA TO-15 **Description: SG-5D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
38. 4-Methyl-2-pentanone	U		µg/m3	49	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
39. Methylene Chloride	U		µg/m3	42	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
40. MTBE	U	L+	µg/m3	22	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
‡ 41. Naphthalene	U		µg/m3	19	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
42. Styrene	U		µg/m3	51	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
44. Tetrachloroethene	**1800**		µg/m3	41	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
‡ 45. Tetrahydrofuran	U		µg/m3	5.8	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
46. Toluene	U		µg/m3	23	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
48. 1,1,1-Trichloroethane	U		µg/m3	33	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
50. Trichloroethene	**1.8**		µg/m3	1.6	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
51. Trichlorofluoromethane	U		µg/m3	34	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
55. Vinyl Acetate	U	V+ L+	µg/m3	42	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
56. Vinyl Chloride	U		µg/m3	15	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
57. m&p-Xylene	U		µg/m3	52	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
58. o-Xylene	U		µg/m3	52	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY
‡ 59. Xylenes	U		µg/m3	100	8.0	11/13/23	VQ23K13A	11/13/23 21:01	VQ23K13A	CY

Surrogate Summary			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**97**	%	80-120	VQ	VQ23K13A	11/13/2023 21:01	1	VQ400

Mercury **Aliquot ID: A18338-002A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-5D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	11/16/23	PM23K16A	11/17/23	M723K17A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-6S**	Chain of Custody:	**221062**
Client Project Name:	**West State Street/20-393A**	Sample No:	**3**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-003** **Matrix: Air**
Method: EPA TO-15 **Description: SG-6S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
2. Benzene	U		µg/m3	19	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
3. Benzyl Chloride	U		µg/m3	6.2	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
4. Bromodichloromethane	U		µg/m3	8.0	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
5. Bromoform	U		µg/m3	62	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
6. Bromomethane	U		µg/m3	23	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
8. 2-Butanone	U		µg/m3	35	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
11. Chlorobenzene	U		µg/m3	28	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
12. Chloroethane	U		µg/m3	16	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
13. Chloroform	U		µg/m3	5.9	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
14. Chloromethane	U		µg/m3	12	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
15. Cyclohexane	U		µg/m3	41	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
16. Dibromochloromethane	U		µg/m3	4.1	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
29. 1,4-Dioxane	U	V+ L+	µg/m3	22	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
31. Ethylbenzene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
33. n-Heptane	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
35. n-Hexane	U		µg/m3	42	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-6S**	Chain of Custody:	**221062**
Client Project Name:	**West State Street/20-393A**	Sample No:	**3**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-003** **Matrix: Air**
Method: EPA TO-15 **Description: SG-6S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
39. Methylene Chloride	U		µg/m3	42	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
40. MTBE	U	L+	µg/m3	22	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
‡ 41. Naphthalene	U		µg/m3	19	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
42. Styrene	U		µg/m3	51	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
44. Tetrachloroethene	**170**		µg/m3	41	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
46. Toluene	**38**		µg/m3	23	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
50. Trichloroethene	U		µg/m3	1.6	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
51. Trichlorofluoromethane	U		µg/m3	34	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
55. Vinyl Acetate	U	V+ L+	µg/m3	42	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
56. Vinyl Chloride	U		µg/m3	15	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
57. m&p-Xylene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
58. o-Xylene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY
‡ 59. Xylenes	U		µg/m3	100	4.0	11/13/23	VQ23K13A	11/13/23 21:54	VQ23K13A	CY

Surrogate Summary			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**99**	%	80-120	VQ	VQ23K13A	11/13/2023 21:54	1	VQ400

Mercury **Aliquot ID: A18338-003A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-6S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	11/16/23	PM23K16A	11/17/23	M723K17A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-6D**	Chain of Custody:	**221062**
Client Project Name:	**West State Street/20-393A**	Sample No:	**4**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-004** **Matrix: Air**
Method: EPA TO-15 **Description: SG-6D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
2. Benzene	U		µg/m3	19	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
3. Benzyl Chloride	U		µg/m3	6.2	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
4. Bromodichloromethane	U		µg/m3	8.0	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
5. Bromoform	U		µg/m3	62	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
6. Bromomethane	U		µg/m3	23	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
8. 2-Butanone	U		µg/m3	35	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
11. Chlorobenzene	U		µg/m3	28	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
12. Chloroethane	U		µg/m3	16	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
13. Chloroform	U		µg/m3	5.9	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
14. Chloromethane	U		µg/m3	12	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
15. Cyclohexane	U		µg/m3	41	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
16. Dibromochloromethane	U		µg/m3	4.1	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
29. 1,4-Dioxane	U	V+ L+	µg/m3	22	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
31. Ethylbenzene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
33. n-Heptane	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
35. n-Hexane	U		µg/m3	42	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-6D**	Chain of Custody:	**221062**
Client Project Name:	**West State Street/20-393A**	Sample No:	**4**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-004** **Matrix: Air**
Method: EPA TO-15 **Description: SG-6D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
39. Methylene Chloride	U		µg/m3	42	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
40. MTBE	U	L+	µg/m3	22	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
‡ 41. Naphthalene	U		µg/m3	19	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
42. Styrene	U		µg/m3	51	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
44. Tetrachloroethene	**170**		µg/m3	41	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
46. Toluene	**60**		µg/m3	23	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
50. Trichloroethene	U		µg/m3	1.6	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
51. Trichlorofluoromethane	U		µg/m3	34	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
55. Vinyl Acetate	U	V+ L+	µg/m3	42	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
56. Vinyl Chloride	U		µg/m3	15	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
57. m&p-Xylene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
58. o-Xylene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY
‡ 59. Xylenes	U		µg/m3	100	4.0	11/13/23	VQ23K13A	11/13/23 22:47	VQ23K13A	CY

Surrogate Summary			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**98**	%	80-120	VQ	VQ23K13A	11/13/2023 22:47	1	VQ400

Mercury **Aliquot ID: A18338-004A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-6D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	11/16/23	PM23K16A	11/17/23	M723K17A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-7S**	Chain of Custody:	**221062**
Client Project Name:	**West State Street/20-393A**	Sample No:	**5**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-005** **Matrix: Air**
Method: EPA TO-15 **Description: SG-7S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
2. Benzene	U		µg/m3	19	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
3. Benzyl Chloride	U		µg/m3	6.2	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
4. Bromodichloromethane	U		µg/m3	8.0	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
5. Bromoform	U		µg/m3	62	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
6. Bromomethane	U		µg/m3	23	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
8. 2-Butanone	U		µg/m3	35	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
11. Chlorobenzene	U		µg/m3	28	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
12. Chloroethane	U		µg/m3	16	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
13. Chloroform	U		µg/m3	5.9	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
14. Chloromethane	U		µg/m3	12	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
15. Cyclohexane	U		µg/m3	41	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
16. Dibromochloromethane	U		µg/m3	4.1	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
29. 1,4-Dioxane	U	V+ L+	µg/m3	22	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
31. Ethylbenzene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
33. n-Heptane	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
35. n-Hexane	U		µg/m3	42	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-7S**	Chain of Custody:	**221062**
Client Project Name:	**West State Street/20-393A**	Sample No:	**5**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-005** **Matrix: Air**
Method: EPA TO-15 **Description: SG-7S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
39. Methylene Chloride	U		µg/m3	42	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
40. MTBE	U	L+	µg/m3	22	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
‡ 41. Naphthalene	U		µg/m3	19	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
42. Styrene	U		µg/m3	51	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
44. Tetrachloroethene	U		µg/m3	41	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
46. Toluene	U		µg/m3	23	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
50. Trichloroethene	U		µg/m3	1.6	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
51. Trichlorofluoromethane	U		µg/m3	34	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
55. Vinyl Acetate	U	V+ L+	µg/m3	42	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
56. Vinyl Chloride	U		µg/m3	15	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
57. m&p-Xylene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
58. o-Xylene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY
‡ 59. Xylenes	U		µg/m3	100	4.0	11/13/23	VQ23K13A	11/13/23 23:41	VQ23K13A	CY

Surrogate Summary			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**97**	%	80-120	VQ	VQ23K13A	11/13/2023 23:41	1	VQ400

Mercury **Aliquot ID: A18338-005A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-7S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	11/16/23	PM23K16A	11/17/23	M723K17A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-7D**	Chain of Custody:	**221062**
Client Project Name:	**West State Street/20-393A**	Sample No:	**6**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-006** **Matrix: Air**
Method: EPA TO-15 **Description: SG-7D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
2. Benzene	U		µg/m3	19	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
3. Benzyl Chloride	U		µg/m3	6.2	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
4. Bromodichloromethane	U		µg/m3	8.0	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
5. Bromoform	U		µg/m3	62	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
6. Bromomethane	U		µg/m3	23	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
8. 2-Butanone	U		µg/m3	35	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
11. Chlorobenzene	U		µg/m3	28	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
12. Chloroethane	U		µg/m3	16	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
13. Chloroform	U		µg/m3	5.9	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
14. Chloromethane	U		µg/m3	12	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
15. Cyclohexane	U		µg/m3	41	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
16. Dibromochloromethane	U		µg/m3	4.1	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
29. 1,4-Dioxane	U	V+ L+	µg/m3	22	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
31. Ethylbenzene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
33. n-Heptane	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
35. n-Hexane	U		µg/m3	42	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-7D**	Chain of Custody:	**221062**
Client Project Name:	**West State Street/20-393A**	Sample No:	**6**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-006** **Matrix: Air**
Method: EPA TO-15 **Description: SG-7D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
39. Methylene Chloride	U		µg/m3	42	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
40. MTBE	U	L+	µg/m3	22	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
‡ 41. Naphthalene	U		µg/m3	19	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
42. Styrene	U		µg/m3	51	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
44. Tetrachloroethene	U		µg/m3	41	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
46. Toluene	U		µg/m3	23	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
50. Trichloroethene	U		µg/m3	1.6	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
51. Trichlorofluoromethane	U		µg/m3	34	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
55. Vinyl Acetate	U	V+ L+	µg/m3	42	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
56. Vinyl Chloride	U		µg/m3	15	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
57. m&p-Xylene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
58. o-Xylene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY
‡ 59. Xylenes	U		µg/m3	100	4.0	11/13/23	VQ23K13A	11/14/23 00:34	VQ23K13A	CY

Surrogate Summary			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**97**	%	80-120	VQ	VQ23K13A	11/14/2023 00:34	1	VQ400

Mercury **Aliquot ID: A18338-006A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-7D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	11/16/23	PM23K16A	11/17/23	M723K17A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-8S**	Chain of Custody:	**221062**
Client Project Name:	**West State Street/20-393A**	Sample No:	**7**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-007** **Matrix: Air**
Method: EPA TO-15 **Description: SG-8S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
2. Benzene	U		µg/m3	19	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
3. Benzyl Chloride	U		µg/m3	6.2	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
4. Bromodichloromethane	U		µg/m3	8.0	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
5. Bromoform	U		µg/m3	62	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
6. Bromomethane	U		µg/m3	23	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
8. 2-Butanone	U		µg/m3	35	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
11. Chlorobenzene	U		µg/m3	28	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
12. Chloroethane	U		µg/m3	16	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
13. Chloroform	U		µg/m3	5.9	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
14. Chloromethane	U		µg/m3	12	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
15. Cyclohexane	U		µg/m3	41	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
16. Dibromochloromethane	U		µg/m3	4.1	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
29. 1,4-Dioxane	U	V+ L+	µg/m3	22	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
31. Ethylbenzene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
33. n-Heptane	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
35. n-Hexane	U		µg/m3	42	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-8S**	Chain of Custody:	**221062**
Client Project Name:	**West State Street/20-393A**	Sample No:	**7**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-007** **Matrix: Air**
Method: EPA TO-15 **Description: SG-8S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
39. Methylene Chloride	U		µg/m3	42	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
40. MTBE	U	L+	µg/m3	22	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
‡ 41. Naphthalene	U		µg/m3	19	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
42. Styrene	U		µg/m3	51	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
44. Tetrachloroethene	U		µg/m3	41	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
46. Toluene	U		µg/m3	23	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
50. Trichloroethene	U		µg/m3	1.6	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
51. Trichlorofluoromethane	U		µg/m3	34	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
55. Vinyl Acetate	U	V+ L+	µg/m3	42	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
56. Vinyl Chloride	U		µg/m3	15	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
57. m&p-Xylene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
58. o-Xylene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY
‡ 59. Xylenes	U		µg/m3	100	4.0	11/13/23	VQ23K13A	11/14/23 01:27	VQ23K13A	CY

Surrogate Summary			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**99**	%	80-120	VQ	VQ23K13A	11/14/2023 01:27	1	VQ400

Mercury **Aliquot ID: A18338-007A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-8S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	11/16/23	PM23K16A	11/17/23	M723K17A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-8D**	Chain of Custody:	**221062**
Client Project Name:	**West State Street/20-393A**	Sample No:	**8**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-008** **Matrix: Air**
Method: EPA TO-15 **Description: SG-8D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
2. Benzene	U		µg/m3	19	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
3. Benzyl Chloride	U		µg/m3	6.2	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
4. Bromodichloromethane	U		µg/m3	8.0	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
5. Bromoform	U		µg/m3	62	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
6. Bromomethane	U		µg/m3	23	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
8. 2-Butanone	U		µg/m3	35	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
11. Chlorobenzene	U		µg/m3	28	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
12. Chloroethane	U		µg/m3	16	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
13. Chloroform	U		µg/m3	5.9	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
14. Chloromethane	U		µg/m3	12	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
15. Cyclohexane	U		µg/m3	41	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
16. Dibromochloromethane	U		µg/m3	4.1	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
29. 1,4-Dioxane	U	V+ L+	µg/m3	22	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
31. Ethylbenzene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
33. n-Heptane	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
35. n-Hexane	U		µg/m3	42	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-8D**	Chain of Custody:	**221062**
Client Project Name:	**West State Street/20-393A**	Sample No:	**8**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-008** **Matrix: Air**
Method: EPA TO-15 **Description: SG-8D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
39. Methylene Chloride	U		µg/m3	42	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
40. MTBE	U	L+	µg/m3	22	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
‡ 41. Naphthalene	U		µg/m3	19	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
42. Styrene	U		µg/m3	51	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
44. Tetrachloroethene	U		µg/m3	41	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
46. Toluene	U		µg/m3	23	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
50. Trichloroethene	U		µg/m3	1.6	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
51. Trichlorofluoromethane	U		µg/m3	34	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
55. Vinyl Acetate	U	V+ L+	µg/m3	42	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
56. Vinyl Chloride	U		µg/m3	15	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
57. m&p-Xylene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
58. o-Xylene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY
‡ 59. Xylenes	U		µg/m3	100	4.0	11/13/23	VQ23K13A	11/14/23 02:20	VQ23K13A	CY

Surrogate Summary			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**96**	%	80-120	VQ	VQ23K13A	11/14/2023 02:20	1	VQ400

Mercury **Aliquot ID: A18338-008A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-8D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	11/16/23	PM23K16A	11/17/23	M723K17A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**SD-9S**	Chain of Custody:	**221062**
Client Project Name:	**West State Street/20-393A**	Sample No:	**9**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-009** **Matrix: Air**
Method: EPA TO-15 **Description: SD-9S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
2. Benzene	U		µg/m3	19	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
3. Benzyl Chloride	U		µg/m3	6.2	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
4. Bromodichloromethane	U		µg/m3	8.0	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
5. Bromoform	U		µg/m3	62	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
6. Bromomethane	U		µg/m3	23	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
8. 2-Butanone	U		µg/m3	35	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
11. Chlorobenzene	U		µg/m3	28	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
12. Chloroethane	U		µg/m3	16	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
13. Chloroform	U		µg/m3	5.9	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
14. Chloromethane	U		µg/m3	12	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
15. Cyclohexane	U		µg/m3	41	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
16. Dibromochloromethane	U		µg/m3	4.1	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
29. 1,4-Dioxane	U	V+ L+	µg/m3	22	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
31. Ethylbenzene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
33. n-Heptane	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
35. n-Hexane	U		µg/m3	42	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY

Client Identification:	**Otwell Mawby**	Sample Description:	**SD-9S**	Chain of Custody:	**221062**
Client Project Name:	**West State Street/20-393A**	Sample No:	**9**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-009** **Matrix: Air**
Method: EPA TO-15 **Description: SD-9S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
39. Methylene Chloride	U		µg/m3	42	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
40. MTBE	U	L+	µg/m3	22	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
‡ 41. Naphthalene	U		µg/m3	19	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
42. Styrene	U		µg/m3	51	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
44. Tetrachloroethene	U		µg/m3	41	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
46. Toluene	**40**		µg/m3	23	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
50. Trichloroethene	**13**		µg/m3	1.6	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
51. Trichlorofluoromethane	U		µg/m3	34	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
55. Vinyl Acetate	U	V+ L+	µg/m3	42	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
56. Vinyl Chloride	U		µg/m3	15	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
57. m&p-Xylene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
58. o-Xylene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY
‡ 59. Xylenes	U		µg/m3	100	4.0	11/13/23	VQ23K13A	11/14/23 03:13	VQ23K13A	CY

Surrogate Summary			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**97**	%	80-120	VQ	VQ23K13A	11/14/2023 03:13	1	VQ400

Mercury **Aliquot ID: A18338-009A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-9S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	11/16/23	PM23K16A	11/17/23	M723K17A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-9D**	Chain of Custody:	**221062**
Client Project Name:	**West State Street/20-393A**	Sample No:	**10**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-010** **Matrix: Air**
Method: EPA TO-15 **Description: SG-9D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
2. Benzene	U		µg/m3	19	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
3. Benzyl Chloride	U		µg/m3	6.2	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
4. Bromodichloromethane	U		µg/m3	8.0	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
5. Bromoform	U		µg/m3	62	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
6. Bromomethane	U		µg/m3	23	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
8. 2-Butanone	U		µg/m3	35	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
11. Chlorobenzene	U		µg/m3	28	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
12. Chloroethane	U		µg/m3	16	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
13. Chloroform	U		µg/m3	5.9	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
14. Chloromethane	U		µg/m3	12	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
15. Cyclohexane	U		µg/m3	41	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
16. Dibromochloromethane	U		µg/m3	4.1	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
29. 1,4-Dioxane	U	V+ L+	µg/m3	22	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
31. Ethylbenzene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
33. n-Heptane	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
35. n-Hexane	U		µg/m3	42	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-9D**	Chain of Custody:	**221062**
Client Project Name:	**West State Street/20-393A**	Sample No:	**10**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-010** **Matrix: Air**
Method: EPA TO-15 **Description: SG-9D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
39. Methylene Chloride	U		µg/m3	42	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
40. MTBE	U	L+	µg/m3	22	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
‡ 41. Naphthalene	U		µg/m3	19	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
42. Styrene	U		µg/m3	51	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
44. Tetrachloroethene	U		µg/m3	41	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
46. Toluene	**55**		µg/m3	23	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
50. Trichloroethene	U		µg/m3	1.6	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
51. Trichlorofluoromethane	U		µg/m3	34	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
55. Vinyl Acetate	U	V+ L+	µg/m3	42	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
56. Vinyl Chloride	U		µg/m3	15	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
57. m&p-Xylene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
58. o-Xylene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY
‡ 59. Xylenes	U		µg/m3	100	4.0	11/13/23	VQ23K13A	11/14/23 04:06	VQ23K13A	CY

Surrogate Summary			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**95**	%	80-120	VQ	VQ23K13A	11/14/2023 04:06	1	VQ400

Mercury **Aliquot ID: A18338-010A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-9D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	11/16/23	PM23K16A	11/17/23	M723K17A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-11/VP-11**	Chain of Custody:	**218799**
Client Project Name:	**West State Street/20-393A**	Sample No:	**11**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-011** **Matrix: Air**
Method: EPA TO-15 **Description: SG-11/VP-11**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
2. Benzene	U		µg/m3	19	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
3. Benzyl Chloride	U		µg/m3	6.2	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
4. Bromodichloromethane	U		µg/m3	8.0	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
5. Bromoform	U		µg/m3	62	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
6. Bromomethane	U		µg/m3	23	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
8. 2-Butanone	U		µg/m3	35	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
11. Chlorobenzene	U		µg/m3	28	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
12. Chloroethane	U		µg/m3	16	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
13. Chloroform	U		µg/m3	5.9	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
14. Chloromethane	U		µg/m3	12	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
15. Cyclohexane	U		µg/m3	41	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
16. Dibromochloromethane	U		µg/m3	4.1	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
29. 1,4-Dioxane	U	V+ L+	µg/m3	22	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
31. Ethylbenzene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
33. n-Heptane	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
35. n-Hexane	U		µg/m3	42	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-11/VP-11**	Chain of Custody:	**218799**
Client Project Name:	**West State Street/20-393A**	Sample No:	**11**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-011** **Matrix: Air**
Method: EPA TO-15 **Description: SG-11/VP-11**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
39. Methylene Chloride	U		µg/m3	42	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
40. MTBE	U	L+	µg/m3	22	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
‡ 41. Naphthalene	U		µg/m3	19	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
42. Styrene	U		µg/m3	51	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
44. Tetrachloroethene	U		µg/m3	41	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
46. Toluene	**42**		µg/m3	23	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
50. Trichloroethene	**13**		µg/m3	1.6	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
51. Trichlorofluoromethane	U		µg/m3	34	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
55. Vinyl Acetate	U	V+ L+	µg/m3	42	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
56. Vinyl Chloride	U		µg/m3	15	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
57. m&p-Xylene	**66**		µg/m3	52	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
58. o-Xylene	U		µg/m3	52	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY
‡ 59. Xylenes	U		µg/m3	100	4.0	11/13/23	VQ23K13A	11/14/23 04:59	VQ23K13A	CY

Surrogate Summary			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**100**	%	80-120	VQ	VQ23K13A	11/14/2023 04:59	1	VQ400

Mercury **Aliquot ID: A18338-011A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-11/VP-11**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	11/16/23	PM23K16A	11/17/23	M723K17A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**Duplicate**	Chain of Custody:	**218799**
Client Project Name:	**West State Street/20-393A**	Sample No:	**12**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-012** **Matrix: Air**
Method: EPA TO-15 **Description: Duplicate**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
2. Benzene	U		µg/m3	19	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
3. Benzyl Chloride	U		µg/m3	6.2	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
4. Bromodichloromethane	U		µg/m3	8.0	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
5. Bromoform	U		µg/m3	62	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
6. Bromomethane	U		µg/m3	23	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
8. 2-Butanone	U		µg/m3	35	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
11. Chlorobenzene	U		µg/m3	28	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
12. Chloroethane	U		µg/m3	16	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
13. Chloroform	U		µg/m3	5.9	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
14. Chloromethane	U		µg/m3	12	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
15. Cyclohexane	U		µg/m3	41	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
29. 1,4-Dioxane	U		µg/m3	22	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
31. Ethylbenzene	U		µg/m3	52	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
33. n-Heptane	U		µg/m3	49	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
35. n-Hexane	U		µg/m3	42	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM

Fibertec environmental services
A METIRI GROUP COMPANY

Analytical Laboratory Report
Laboratory Project Number: A18338
Laboratory Sample Number: A18338-012

Order: A18338
Date: 11/20/23

Client Identification:	**Otwell Mawby**	Sample Description:	**Duplicate**	Chain of Custody:	**218799**
Client Project Name:	**West State Street/20-393A**	Sample No:	**12**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-012** **Matrix: Air**
Method: EPA TO-15 **Description: Duplicate**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
39. Methylene Chloride	U		µg/m3	42	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
40. MTBE	U		µg/m3	22	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
‡ 41. Naphthalene	U		µg/m3	19	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
42. Styrene	U		µg/m3	51	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
44. Tetrachloroethene	**830**		µg/m3	41	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
46. Toluene	U		µg/m3	23	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
50. Trichloroethene	U		µg/m3	1.6	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
51. Trichlorofluoromethane	U		µg/m3	34	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
55. Vinyl Acetate	U		µg/m3	42	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
56. Vinyl Chloride	U		µg/m3	15	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
57. m&p-Xylene	U		µg/m3	52	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
58. o-Xylene	U		µg/m3	52	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM
‡ 59. Xylenes	U		µg/m3	100	4.0	11/14/23	VK23K14B	11/14/23 18:09	VK23K14B	CM

Surrogate Summary			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**87**	%	80-120	VK	VK23K14B	11/14/2023 18:09	1	VK400

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Analytical Laboratory Report
Laboratory Project Number: A18338
Laboratory Sample Number: A18338-013

Order: A18338
Date: 11/20/23

Client Identification:	**Otwell Mawby**	Sample Description:	**Spike**	Chain of Custody:	**218799**
Client Project Name:	**West State Street/20-393A**	Sample No:	**13**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Field Spike: Tube**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Mercury **Aliquot ID: A18338-013** **Matrix: Field Spike: Tube**
Method: NIOSH 6009 (Modified) **Description: Spike**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	**0.011**		µg	0.0020	1.0	11/16/23	PM23K16A	11/17/23	M723K17A	JLH
‡ 2. Mercury (Recovery)	**106**		%	0	1.0	NA	NA	11/17/23	NA	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**Field Blank**	Chain of Custody:	**218799**
Client Project Name:	**West State Street/20-393A**	Sample No:	**14**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-014** **Matrix: Air**
Method: EPA TO-15 **Description: Field Blank**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
2. Benzene	U		µg/m3	19	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
3. Benzyl Chloride	U		µg/m3	6.2	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
4. Bromodichloromethane	U		µg/m3	8.0	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
5. Bromoform	U		µg/m3	62	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
6. Bromomethane	U		µg/m3	23	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
8. 2-Butanone	U		µg/m3	35	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
11. Chlorobenzene	U		µg/m3	28	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
12. Chloroethane	U		µg/m3	16	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
13. Chloroform	U		µg/m3	5.9	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
14. Chloromethane	U		µg/m3	12	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
15. Cyclohexane	U		µg/m3	41	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
29. 1,4-Dioxane	U		µg/m3	22	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
31. Ethylbenzene	U		µg/m3	52	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
33. n-Heptane	U		µg/m3	49	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
35. n-Hexane	U		µg/m3	42	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM

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Analytical Laboratory Report
Laboratory Project Number: A18338
Laboratory Sample Number: A18338-014

Order: A18338
Date: 11/20/23

Client Identification:	**Otwell Mawby**	Sample Description:	**Field Blank**	Chain of Custody:	**218799**
Client Project Name:	**West State Street/20-393A**	Sample No:	**14**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-014** **Matrix: Air**
Method: EPA TO-15 **Description: Field Blank**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
39. Methylene Chloride	U		µg/m3	42	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
40. MTBE	U		µg/m3	22	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
‡ 41. Naphthalene	U		µg/m3	19	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
42. Styrene	U		µg/m3	51	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
44. Tetrachloroethene	U		µg/m3	41	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
46. Toluene	U		µg/m3	23	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
50. Trichloroethene	U		µg/m3	1.6	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
51. Trichlorofluoromethane	U		µg/m3	34	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
55. Vinyl Acetate	U		µg/m3	42	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
56. Vinyl Chloride	U		µg/m3	15	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
57. m&p-Xylene	U		µg/m3	52	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
58. o-Xylene	U		µg/m3	52	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM
‡ 59. Xylenes	U		µg/m3	100	4.0	11/14/23	VK23K14B	11/14/23 18:56	VK23K14B	CM

Surrogate Summary			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**89**	%	80-120	VK	VK23K14B	11/14/2023 18:56	1	VK400

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Analytical Laboratory Report
Laboratory Project Number: A18338
Laboratory Sample Number: A18338-014

Order: A18338
Date: 11/20/23

Client Identification:	**Otwell Mawby**	Sample Description:	**Field Blank**	Chain of Custody:	**218799**
Client Project Name:	**West State Street/20-393A**	Sample No:	**14**	Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Mercury **Aliquot ID: A18338-014A** **Matrix: Blank: Tube**
Method: NIOSH 6009 (Modified) **Description: Field Blank**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg	0.0020	1.0	11/16/23	PM23K16A	11/17/23	M723K17A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-10S**	Chain of Custody:	**N/A**
Client Project Name:	**West State Street/20-393A**	Sample No:		Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-015** **Matrix: Air**
Method: EPA TO-15 **Description: SG-10S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
2. Benzene	U		µg/m3	19	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
3. Benzyl Chloride	U		µg/m3	6.2	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
4. Bromodichloromethane	U		µg/m3	8.0	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
5. Bromoform	U		µg/m3	62	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
6. Bromomethane	U		µg/m3	23	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
8. 2-Butanone	U		µg/m3	35	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
11. Chlorobenzene	U		µg/m3	28	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
12. Chloroethane	U		µg/m3	16	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
13. Chloroform	U		µg/m3	5.9	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
14. Chloromethane	U		µg/m3	12	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
15. Cyclohexane	U		µg/m3	41	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
29. 1,4-Dioxane	U		µg/m3	22	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
31. Ethylbenzene	U		µg/m3	52	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
33. n-Heptane	U		µg/m3	49	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
35. n-Hexane	U		µg/m3	42	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-10S**	Chain of Custody:	**N/A**
Client Project Name:	**West State Street/20-393A**	Sample No:		Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-015** **Matrix: Air**
Method: EPA TO-15 **Description: SG-10S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
39. Methylene Chloride	U		µg/m3	42	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
40. MTBE	U		µg/m3	22	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
‡ 41. Naphthalene	U		µg/m3	19	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
42. Styrene	U		µg/m3	51	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
44. Tetrachloroethene	U		µg/m3	41	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
46. Toluene	U		µg/m3	23	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
50. Trichloroethene	U		µg/m3	1.6	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
51. Trichlorofluoromethane	U		µg/m3	34	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
55. Vinyl Acetate	U		µg/m3	42	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
56. Vinyl Chloride	U		µg/m3	15	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
57. m&p-Xylene	U		µg/m3	52	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
58. o-Xylene	U		µg/m3	52	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM
‡ 59. Xylenes	U		µg/m3	100	4.0	11/14/23	VK23K14B	11/14/23 19:44	VK23K14B	CM

Surrogate Summary

			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**88**	%	80-120	VK	VK23K14B	11/14/2023 19:44	1	VK400

Mercury **Aliquot ID: A18338-015A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-10S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	11/16/23	PM23K16A	11/17/23	M723K17A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-10D**	Chain of Custody:	**N/A**
Client Project Name:	**West State Street/20-393A**	Sample No:		Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-016** **Matrix: Air**
Method: EPA TO-15 **Description: SG-10D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
2. Benzene	U		µg/m3	19	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
3. Benzyl Chloride	U		µg/m3	6.2	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
4. Bromodichloromethane	U		µg/m3	8.0	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
5. Bromoform	U		µg/m3	62	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
6. Bromomethane	U		µg/m3	23	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
8. 2-Butanone	U		µg/m3	35	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
11. Chlorobenzene	U		µg/m3	28	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
12. Chloroethane	U		µg/m3	16	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
13. Chloroform	U		µg/m3	5.9	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
14. Chloromethane	U		µg/m3	12	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
15. Cyclohexane	U		µg/m3	41	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
29. 1,4-Dioxane	U		µg/m3	22	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
31. Ethylbenzene	U		µg/m3	52	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
33. n-Heptane	U		µg/m3	49	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
35. n-Hexane	U		µg/m3	42	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-10D**	Chain of Custody:	**N/A**
Client Project Name:	**West State Street/20-393A**	Sample No:		Collect Date:	**11/07/23**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A18338-016** **Matrix: Air**
Method: EPA TO-15 **Description: SG-10D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
39. Methylene Chloride	U		µg/m3	42	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
40. MTBE	U		µg/m3	22	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
‡ 41. Naphthalene	U		µg/m3	19	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
42. Styrene	U		µg/m3	51	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
44. Tetrachloroethene	**54**		µg/m3	41	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
46. Toluene	**25**		µg/m3	23	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
50. Trichloroethene	U		µg/m3	1.6	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
51. Trichlorofluoromethane	U		µg/m3	34	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
55. Vinyl Acetate	U		µg/m3	42	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
56. Vinyl Chloride	U		µg/m3	15	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
57. m&p-Xylene	U		µg/m3	52	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
58. o-Xylene	U		µg/m3	52	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM
‡ 59. Xylenes	U		µg/m3	100	4.0	11/14/23	VK23K14B	11/14/23 20:32	VK23K14B	CM

Surrogate Summary

			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**89**	%	80-120	VK	VK23K14B	11/14/2023 20:32	1	VK400

Mercury **Aliquot ID: A18338-016A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-10D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	11/16/23	PM23K16A	11/17/23	M723K17A	JLH

Definitions/ Qualifiers:

A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
M: Modified Method
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
***:** Value reported is outside QC limits
D: The sample or extract was analyzed at a DF greater than 1.

Exception Summary:

L+ : Recovery in the associated laboratory sample (LCS) exceeds the upper control limit. Results may be biased high.

Analysis Locations:

All analyses performed in Holt.

Accreditation Number(s):

T104704518-23-15 (TX)

PM23K16A: Method Blank (MB)

NIOSH 6009 (Modifiec

Run Time: PM23K16A.MB 11/17/2023 10:34 [M723K17A]

Analyte	MB Result	MB Qualifier	MB RDL
	µg/m3		µg/m3
Mercury	U		0.0020

PM23K16A: Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD)

NIOSH 6009 (Modifiec

Run Time: PM23K16A.LCS: 11/17/2023 10:35 [M723K17A] PM23K16A.LCSD: 11/17/2023 10:37 [M723K17A]

Analyte	LCS Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier	LCSD Spike Amount	LCSD Result	LCSD Rec.	LCSD Qualifier	RPD	RPD Limits	RPD Qualifier
	µg/m3	µg/m3	%	%		µg/m3	µg/m3	%		%	%	
Mercury	0.0100	0.00955	96	85-115		0.0100	0.0111	111		14	20	

VK23K14B: Method Blank (MB)

EPA TO-15

Run Time: VK23K14B.MB 11/14/2023 13:30 [VK23K14B]

Analyte	MB Result	MB Qualifier	MB RDL
	µg/m3		µg/m3
Acetone	U		57
Benzene	U		19
Benzyl Chloride	U		6.2
Bromodichloromethane	U		8.0
Bromoform	U		62
Bromomethane	U		23
1,3-Butadiene	U		2.7
2-Butanone	U		35
Carbon Disulfide	U		37
Carbon Tetrachloride	U		7.5
Chlorobenzene	U		28
Chloroethane	U		16
Chloroform	U		5.9
Chloromethane	U		12
Cyclohexane	U		41
Dibromochloromethane	U		4.1
1,2-Dichlorobenzene	U		36
1,3-Dichlorobenzene	U		36
1,4-Dichlorobenzene	U		36
Dichlorodifluoromethane	U		30
1,1-Dichloroethane	U		24
1,2-Dichloroethane	U		4.9
1,1-Dichloroethene	U		24
cis-1,2-Dichloroethene	U		24
trans-1,2-Dichloroethene	U		24
1,2-Dichloropropane	U		28
cis-1,3-Dichloropropene	U		27
trans-1,3-Dichloropropene	U		27
1,4-Dioxane	U		22
Ethyl Acetate	U		43
Ethylbenzene	U		52

VK23K14B: Method Blank (MB)

EPA TO-15

Run Time: VK23K14B.MB 11/14/2023 13:30 [VK23K14B]

Analyte	MB Result	MB Qualifier	MB RDL
	µg/m3		µg/m3
Ethylene Dibromide	U		0.92
n-Heptane	U		49
Hexachlorobutadiene	U		5.1
n-Hexane	U		42
2-Hexanone	U		49
Isopropanol	U		29
4-Methyl-2-pentanone	U		49
Methylene Chloride	U		42
MTBE	U		22
Naphthalene	U		19
Styrene	U		51
1,1,2,2-Tetrachloroethane	U		3.3
Tetrachloroethene	U		41
Tetrahydrofuran	U		3.5
Toluene	U		23
1,2,4-Trichlorobenzene	U		22
1,1,1-Trichloroethane	U		33
1,1,2-Trichloroethane	U		6.5
Trichloroethene	U		1.6
Trichlorofluoromethane	U		34
1,1,2-Trichlorotrifluoroethane	U		46
1,2,4-Trimethylbenzene	U		29
1,3,5-Trimethylbenzene	U		29
Vinyl Acetate	U		42
Vinyl Chloride	U		15
m&p-Xylene	U		52
o-Xylene	U		52
4-Bromofluorobenzene(S)	*89*		*80-120*

VK23K14B: Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD)

EPA TO-15

Run Time: VK23K14B.LCS: 11/14/2023 11:00 [VK23K14B] VK23K14B.LCSD: 11/14/2023 11:50 [VK23K14B]

Analyte	LCS Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier	LCSD Spike Amount	LCSD Result	LCSD Rec.	LCSD Qualifier	RPD	RPD Limits	RPD Qualifier
	µg/m3	µg/m3	%	%		µg/m3	µg/m3	%		%	%	
Acetone	31.2	30.6	98	70-130		31.2	31.1	100		2	20	
Benzene	42.7	43.1	101	70-130		42.7	43.2	101		0	20	
Benzyl Chloride	66.6	75.1	113	70-150		66.6	76.3	115		2	20	
Bromodichloromethane	87.9	94.0	107	70-130		87.9	93.3	106		1	20	
Bromoform	134	140	104	70-138		134	141	105		1	20	
Bromomethane	51.4	49.0	95	70-133		51.4	49.9	97		2	20	
1,3-Butadiene	29.6	28.9	98	70-134		29.6	29.9	101		3	20	
2-Butanone	39.8	39.0	98	70-130		39.8	40.9	103		5	20	
Carbon Disulfide	41.2	42.9	104	70-130		41.2	44.0	107		3	20	
Carbon Tetrachloride	80.2	85.7	107	70-131		80.2	84.7	106		1	20	
Chlorobenzene	61.5	67.5	110	70-130		61.5	68.5	111		1	20	
Chloroethane	34.9	36.6	105	70-130		34.9	37.0	106		1	20	
Chloroform	64.7	67.6	104	70-130		64.7	69.4	107		3	20	
Chloromethane	27.1	27.2	101	70-130		27.1	27.8	102		1	20	
Cyclohexane	45.6	50.9	112	70-130		45.6	51.0	112		0	20	
Dibromochloromethane	113	121	108	70-135		113	123	109		1	20	
1,2-Dichlorobenzene	75.9	78.1	103	70-130		75.9	80.0	105		2	20	
1,3-Dichlorobenzene	76.6	81.8	107	70-131		76.6	83.4	109		2	20	
1,4-Dichlorobenzene	75.9	83.9	111	70-134		75.9	85.0	112		1	20	
Dichlorodifluoromethane	65.5	57.1	87	70-132		65.5	57.5	88		1	20	
1,1-Dichloroethane	53.6	57.5	107	70-130		53.6	58.9	110		3	20	
1,2-Dichloroethane	54.1	56.3	104	70-130		54.1	57.5	106		2	20	
1,1-Dichloroethene	54.0	56.8	105	70-133		54.0	58.7	109		4	20	
cis-1,2-Dichloroethene	53.0	56.8	107	70-130		53.0	58.8	111		4	20	
trans-1,2-Dichloroethene	53.0	56.3	106	70-130		53.0	58.2	110		4	20	
1,2-Dichloropropane	61.8	69.9	113	70-130		61.8	70.5	114		1	20	
cis-1,3-Dichloropropene	60.7	65.9	109	70-131		60.7	65.4	108		1	20	
trans-1,3-Dichloropropene	59.5	64.7	109	70-134		59.5	64.4	108		1	20	
1,4-Dioxane	47.3	50.5	107	70-130		47.3	50.6	107		0	20	
Ethyl Acetate	47.3	53.1	112	70-130		47.3	54.7	116		4	20	
Ethylbenzene	57.5	58.9	102	70-130		57.5	59.7	104		2	20	

VK23K14B: Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) — EPA TO-15

Run Time: VK23K14B.LCS: 11/14/2023 11:00 [VK23K14B] VK23K14B.LCSD: 11/14/2023 11:50 [VK23K14B]

Analyte	LCS Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier	LCSD Spike Amount	LCSD Result	LCSD Rec.	LCSD Qualifier	RPD	RPD Limits	RPD Qualifier
	µg/m3	µg/m3	%	%		µg/m3	µg/m3	%		%	%	
Ethylene Dibromide	102	107	105	70-130		102	108	106		1	20	
n-Heptane	54.3	61.6	114	70-132		54.3	62.0	114		0	20	
Hexachlorobutadiene	123	117	96	70-134		123	119	97		1	20	
n-Hexane	48.0	51.1	107	70-130		48.0	53.0	110		3	20	
2-Hexanone	55.3	68.5	124	70-139		55.3	69.4	126		2	20	
Isopropanol	33.5	37.7	113	54-144		33.5	38.5	115		2	20	
4-Methyl-2-pentanone	54.3	65.3	120	70-130		54.3	65.8	121		1	20	
Methylene Chloride	44.7	46.3	104	70-132		44.7	50.1	112		7	20	
MTBE	48.2	50.5	105	70-130		48.2	52.1	108		3	20	
Naphthalene	61.6	69.7	113	70-148		61.6	71.3	116		3	20	
Styrene	55.4	56.9	103	70-130		55.4	57.6	104		1	20	
1,1,2,2-Tetrachloroethane	90.1	90.3	100	70-130		90.1	91.5	102		2	20	
Tetrachloroethene	89.8	94.7	105	70-130		89.8	95.6	106		1	20	
Tetrahydrofuran	38.0	40.1	106	70-138		38.0	41.5	109		3	20	
Toluene	50.4	56.1	111	70-130		50.4	57.2	113		2	20	
1,2,4-Trichlorobenzene	83.5	91.9	110	70-140		83.5	93.2	112		2	20	
1,1,1-Trichloroethane	73.6	74.5	101	70-130		73.6	74.6	101		0	20	
1,1,2-Trichloroethane	72.9	78.2	107	70-130		72.9	79.8	109		2	20	
Trichloroethene	71.8	80.5	112	70-130		71.8	80.2	112		0	20	
Trichlorofluoromethane	73.7	69.6	94	70-132		73.7	69.8	95		1	20	
1,1,2-Trichlorotrifluoroethane	102	106	104	70-130		102	108	105		1	20	
1,2,4-Trimethylbenzene	62.7	71.6	114	70-132		62.7	72.2	115		1	20	
1,3,5-Trimethylbenzene	63.9	67.3	105	70-131		63.9	67.6	106		1	20	
Vinyl Acetate	48.4	45.0	93	70-131		48.4	45.6	94		1	20	
Vinyl Chloride	33.5	34.0	101	70-131		33.5	35.2	105		4	20	
m&p-Xylene	114	118	103	70-130		114	120	105		2	20	
o-Xylene	56.4	63.5	113	70-130		56.4	63.9	113		0	20	
4-Bromofluorobenzene(S)			*95*	*80-120*				*95*				

VQ23K13A: Method Blank (MB)

EPA TO-15

Run Time: VQ23K13A.MB 11/13/2023 12:54 [VQ23K13A]

Analyte	MB Result	MB Qualifier	MB RDL
	µg/m3		µg/m3
Acetone	U		57
Benzene	U		19
Benzyl Chloride	U		6.2
Bromodichloromethane	U		8.0
Bromoform	U		62
Bromomethane	U		23
1,3-Butadiene	U		2.7
2-Butanone	U		35
Carbon Disulfide	U		37
Carbon Tetrachloride	U		7.5
Chlorobenzene	U		28
Chloroethane	U		16
Chloroform	U		5.9
Chloromethane	U		12
Cyclohexane	U		41
Dibromochloromethane	U		4.1
1,2-Dichlorobenzene	U		36
1,3-Dichlorobenzene	U		36
1,4-Dichlorobenzene	U		36
Dichlorodifluoromethane	U		30
1,1-Dichloroethane	U		24
1,2-Dichloroethane	U		4.9
1,1-Dichloroethene	U		24
cis-1,2-Dichloroethene	U		24
trans-1,2-Dichloroethene	U		24
1,2-Dichloropropane	U		28
cis-1,3-Dichloropropene	U		27
trans-1,3-Dichloropropene	U		27
1,4-Dioxane	U		22
Ethyl Acetate	U		43
Ethylbenzene	U		52

VQ23K13A: Method Blank (MB)

EPA TO-15

Run Time: VQ23K13A.MB 11/13/2023 12:54 [VQ23K13A]

Analyte	MB Result	MB Qualifier	MB RDL
	µg/m3		µg/m3
Ethylene Dibromide	U		0.92
n-Heptane	U		49
Hexachlorobutadiene	U		5.1
n-Hexane	U		42
2-Hexanone	U		49
Isopropanol	U		29
4-Methyl-2-pentanone	U		49
Methylene Chloride	U		42
MTBE	U		22
Naphthalene	U		19
Styrene	U		51
1,1,2,2-Tetrachloroethane	U		3.3
Tetrachloroethene	U		41
Tetrahydrofuran	U		3.5
Toluene	U		23
1,2,4-Trichlorobenzene	U		22
1,1,1-Trichloroethane	U		33
1,1,2-Trichloroethane	U		6.5
Trichloroethene	U		1.6
Trichlorofluoromethane	U		34
1,1,2-Trichlorotrifluoroethane	U		46
1,2,4-Trimethylbenzene	U		29
1,3,5-Trimethylbenzene	U		29
Vinyl Acetate	U		42
Vinyl Chloride	U		15
m&p-Xylene	U		52
o-Xylene	U		52
4-Bromofluorobenzene(S)	*96*		*80-120*

VQ23K13A: Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) — EPA TO-15

Run Time: VQ23K13A.LCS: 11/13/2023 10:06 [VQ23K13A] VQ23K13A.LCSD: 11/13/2023 11:01 [VQ23K13A]

Analyte	LCS Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier	LCSD Spike Amount	LCSD Result	LCSD Rec.	LCSD Qualifier	RPD	RPD Limits	RPD Qualifier
	µg/m3	µg/m3	%	%		µg/m3	µg/m3	%		%	%	
Acetone	31.2	33.9	109	70-130		31.2	33.9	109		0	20	
Benzene	42.7	46.1	108	70-130		42.7	46.6	109		1	20	
Benzyl Chloride	66.6	67.5	101	70-150		66.6	69.9	105		4	20	
Bromodichloromethane	87.9	103	118	70-130		87.9	105	119		1	20	
Bromoform	134	126	94	70-138		134	127	94		0	20	
Bromomethane	51.4	59.5	116	70-133		51.4	59.1	115		1	20	
1,3-Butadiene	29.6	36.9	125	70-134		29.6	37.0	125		0	20	
2-Butanone	39.8	42.7	107	70-130		39.8	43.0	108		1	20	
Carbon Disulfide	41.2	42.5	103	70-130		41.2	42.7	104		1	20	
Carbon Tetrachloride	80.2	93.6	117	70-131		80.2	94.5	118		1	20	
Chlorobenzene	61.5	61.1	99	70-130		61.5	61.0	99		0	20	
Chloroethane	34.9	42.2	121	70-130		34.9	41.4	119		2	20	
Chloroform	64.7	78.6	122	70-130		64.7	78.8	122		0	20	
Chloromethane	27.1	33.0	122	70-130		27.1	33.0	122		0	20	
Cyclohexane	45.6	55.7	122	70-130		45.6	56.4	124		2	20	
Dibromochloromethane	113	114	101	70-135		113	115	102		1	20	
1,2-Dichlorobenzene	75.9	71.3	94	70-130		75.9	72.5	96		2	20	
1,3-Dichlorobenzene	76.6	74.0	97	70-131		76.6	74.7	97		0	20	
1,4-Dichlorobenzene	75.9	75.3	99	70-134		75.9	76.4	101		2	20	
Dichlorodifluoromethane	65.5	83.5	127	70-132		65.5	83.4	127		0	20	
1,1-Dichloroethane	53.6	66.3	124	70-130		53.6	66.5	124		0	20	
1,2-Dichloroethane	54.1	69.6	129	70-130		54.1	70.1	130		1	20	
1,1-Dichloroethene	54.0	67.1	124	70-133		54.0	66.9	124		0	20	
cis-1,2-Dichloroethene	53.0	66.2	125	70-130		53.0	66.9	126		1	20	
trans-1,2-Dichloroethene	53.0	65.8	124	70-130		53.0	66.1	125		1	20	
1,2-Dichloropropane	61.8	70.4	114	70-130		61.8	71.4	116		2	20	
cis-1,3-Dichloropropene	60.7	72.1	119	70-131		60.7	73.4	121		2	20	
trans-1,3-Dichloropropene	59.5	71.8	121	70-134		59.5	72.8	122		1	20	
1,4-Dioxane	47.3	64.8	137	70-130	*	47.3	65.3	138	*	1	20	
Ethyl Acetate	47.3	60.6	128	70-130		47.3	61.4	130		2	20	
Ethylbenzene	57.5	58.9	102	70-130		57.5	59.2	103		1	20	

VQ23K13A: Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD)

EPA TO-15

Run Time: VQ23K13A.LCS: 11/13/2023 10:06 [VQ23K13A] VQ23K13A.LCSD: 11/13/2023 11:01 [VQ23K13A]

Analyte	LCS Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier	LCSD Spike Amount	LCSD Result	LCSD Rec.	LCSD Qualifier	RPD	RPD Limits	RPD Qualifier
	µg/m3	µg/m3	%	%		µg/m3	µg/m3	%		%	%	
Ethylene Dibromide	102	103	102	70-130		102	104	103		1	20	
n-Heptane	54.3	66.3	122	70-132		54.3	67.1	124		2	20	
Hexachlorobutadiene	123	104	85	70-134		123	106	86		1	20	
n-Hexane	48.0	58.5	122	70-130		48.0	58.3	121		1	20	
2-Hexanone	55.3	66.4	120	70-139		55.3	67.6	122		2	20	
Isopropanol	33.5	39.8	119	54-144		33.5	40.1	120		1	20	
4-Methyl-2-pentanone	54.3	69.4	128	70-130		54.3	70.4	130		2	20	
Methylene Chloride	44.7	48.4	108	70-132		44.7	48.2	108		0	20	
MTBE	48.2	62.8	130	70-130		48.2	63.1	131	*	1	20	
Naphthalene	61.6	68.1	111	70-148		61.6	70.4	114		3	20	
Styrene	55.4	55.1	99	70-130		55.4	55.0	99		0	20	
1,1,2,2-Tetrachloroethane	90.1	84.3	94	70-130		90.1	85.4	95		1	20	
Tetrachloroethene	89.8	91.0	101	70-130		89.8	91.2	102		1	20	
Tetrahydrofuran	38.0	47.3	125	70-138		38.0	48.0	127		2	20	
Toluene	50.4	47.6	94	70-130		50.4	47.8	95		1	20	
1,2,4-Trichlorobenzene	83.5	76.6	92	70-140		83.5	79.4	95		3	20	
1,1,1-Trichloroethane	73.6	89.7	122	70-130		73.6	90.0	122		0	20	
1,1,2-Trichloroethane	72.9	74.3	102	70-130		72.9	74.5	102		0	20	
Trichloroethene	71.8	82.2	114	70-130		71.8	83.1	116		2	20	
Trichlorofluoromethane	73.7	91.5	124	70-132		73.7	90.4	123		1	20	
1,1,2-Trichlorotrifluoroethane	102	120	117	70-130		102	121	118		1	20	
1,2,4-Trimethylbenzene	62.7	59.5	95	70-132		62.7	60.2	96		1	20	
1,3,5-Trimethylbenzene	63.9	59.4	93	70-131		63.9	60.0	94		1	20	
Vinyl Acetate	48.4	64.2	133	70-131	*	48.4	64.5	133	*	0	20	
Vinyl Chloride	33.5	41.6	124	70-131		33.5	41.7	124		0	20	
m&p-Xylene	114	117	102	70-130		114	117	102		0	20	
o-Xylene	56.4	56.0	99	70-130		56.4	56.8	101		2	20	
4-Bromofluorobenzene(S)			*100*	*80-120*				*103*				

Definitions/ Qualifiers:

U: The analyte was not detected at or above the Reporting Limit (RL).
***:** Value reported is outside QC limits

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:

By Sue Ricketts at 1:18 PM, Nov 20, 2023

Fibertec environmental services
A METRI GROUP COMPANY

Soil Vapor Sampling and Analysis Verification

Fibertec Project Number: A18338

The analysis of the samples included in this report were analyzed in accordance with the approach and modifications identified in the attached EGLE approval letter(s).

Reviewed and Approved by:

Signature: _____

Printed Name: Kenneth Mueller

Date: 11/20/2023

Title: Quality Assurance Officer

1914 Holloway Drive, Holt, Michigan 48842, Telephone: (517) 699-0345, Facsimile: (517) 699-0388
11766 Grand River, Brighton, Michigan 48116, Telephone: (810) 220-3300, Facsimile: (810) 220-3311
8660 S. Mackinaw Trail, Cadillac, Michigan 49601, Telephone: (231) 775-8368, Facsimile: (231) 775-8584

Fibertec environmental services

Analytical Laboratory

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Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Geoprobe

11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # **221062**

Client Name: Otwell Mawby P.C.
Contact Person: James Jackson
Project Name/ Number: West State Street / 20-393A
Email distribution list: jjackson@otwellmawby.com
Quote#
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	VOCs	Mercury	HOLD SAMPLE
11/7/23		1	SG-5S	A	2	X	X	
		2	SG-5D			X	X	
		3	SG-6S			X	X	
		4	SG-6D			X	X	
		5	SG-7S			X	X	
		6	SG-7D			X	X	
		7	SG-8S			X	X	
		8	SG-8D			X	X	
		9	SG-9S			X	X	
↓		10	SG-9D	↓	↓	X	X	

PARAMETERS

Matrix Code

S	Soil	GW	Ground Water
A	Air	SW	Surface Water
O	Oil	WW	Waste Water
P	Wipe	X	Other: Specify

Deliverables

- Level 2
- Level 3
- Level 4
- EDD

Remarks:

Received By Lab
NOV 09 2023
Initials: DC

Comments:

Sampled/Relinquished By: Jacob Pelinsky Jacob Pelinsky	Date/ Time 11/7/23 / 11/9/23 1036	Received By:
Relinquished By:	Date/ Time 11/9/23 15:38	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days _____4 bus. days

X 5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: A18338

Temperature upon receipt at Lab: Rm Temp

Please see back for terms and conditions

Revised

Fibertec environmental services

Analytical Laboratory

1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Geoprobe
11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # 218799

Client Name: Otwell Mowbray P.C.
Contact Person: James Jackson
Project Name/ Number: West State Street / 21-343A
Email distribution list: JJackson@otwellmowbray.com
Quote#
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	VOCs	Mercury	HOLD SAMPLE
11/7/23		11	SG-11 / VP-11	A	2	X	X	
"		12	Duplicate	A	1	X		
"		13	Spike	A	1		X	
"		14	Field Blank	A	2	X	X	
11/7/23			SG-10S	A	2	X	X	
"			SG-10D	A	2	X	X	

Matrix Code: S Soil; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Deliverables: Level 2; Level 3; Level 4; EDD

Remarks:

Comments:

Sampled/Relinquished By: Jacob Stillman Jr / Jacob Pedersen	Date/ Time 11/7/23 / 11/9/23 10:35	Received By:
Relinquished By:	Date/ Time 11/9/23 15:38	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days _____4 bus. days

X 5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number:

Temperature upon receipt at Lab: Rm Temp.

Please see back for terms and conditions

Fibertec environmental services

Analytical Laboratory

1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Geoprobe

11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # 218799

Client Name: Otwell Mowbray P.C.
Contact Person: James Jurkiw
Project Name/ Number: West State Street / 21-393A
Email distribution list: jjurkiw@otwellmowbray.com
Quote#
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PARAMETERS: VOCs	PARAMETERS: Mercury	HOLD SAMPLE
11/7/23		11	SG-11 / VP-11	A	2	X	X	
		12	Duplicate	A	1	X		
		13	Spike	A	1		X	
		14	Field Blank	A	2	X	X	

Matrix Code: S Soil; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Deliverables: Level 2; Level 3; Level 4; EDD

Remarks:

Comments:

Sampled/Relinquished By: David Stiltner / David Pettengill	Date/ Time 11/7/23 / 11/9/23 10:36	Received By:
Relinquished By:	Date/ Time 11/9/23 15:38	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days _____4 bus. days

X 5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number:

Temperature upon receipt at Lab: Rm Temp.

Please see back for terms and conditions

Fibertec environmental services

Vapor Tube Sampling Field Worksheet

Client Name: West State Street

Project Name/Number: 20-343A

Sample Date: 11/7/23

Sampled By: Jacob Palinsky

Sample Identifiers					Field Calibration					
Time Collected	Sample Descriptor	Tube Lot Number	Vapor Kit Number	Analysis Requested	Field Pre Cal Rate (L/min)	** Pre Back Pressure (hPa)	** Post Back Pressure (hPa)	Field Post Cal Rate (L/min)	***Field Cal Average (L/min)	Total Time (minutes)
N/A	Field Blank	7361	N/A		N/A	N/A	N/A	N/A	N/A	N/A
N/A	Field Spike	F.S. ID Number 7520	N/A		N/A	N/A	N/A	N/A	N/A	N/A
1123	SG-5S	7801		Mercury	0.2	N/A	N/A	0.2	0.2	15
1125	SG-5D	7356								
1234	SG-6S	7509								
1232	SG-6D	7390								
1347	SG-7S	8034								
1345	SG-7D	8042								
1422	SG-8S	8040								
1420	SG-8D	8035								
1535	SG-9S	7744								
1533	SG-9D	8041	↓	↓	↓	↓	↓	↓	↓	↓

*Comments:

I verify that the field sampling was conducted in accordance with the specification(s) in the approval letter(s) included in the sampling kit.

* Any deviation or issue with sample collection will be noted above.

Signature: Jacob Palinsky

Printed Name: Jacob Palinsky

Date: 11/7/23

Sampling Notes

**Maximum Vacuum during sampling should be < 75hPa H_2O compared to ambient
*** Collection rate should be a maximum 0.2 L/minute

Sampling Media

Mercury: 200 mg Anasorb	PAH: 150mg XAD-2	PCB: 150 mg Florisil

Lab Use Only:
Fibertec Project Number:

Fibertec environmental services

Vapor Tube Sampling Field Worksheet

Client Name: West State Street	Sample Date: 11/7/23
Project Name/Number: 20-343A	Sampled By: Jake Palinsky

Sample Identifiers					Field Calibration					
Time Collected	Sample Descriptor	Tube Lot Number	Vapor Kit Number	Analysis Requested	Field Pre Cal Rate (L/min)	** Pre Back Pressure (hPa)	** Post Back Pressure (hPa)	Field Post Cal Rate (L/min)	***Field Cal Average (L/min)	Total Time (minutes)
N/A	Field Blank	7361	N/A		N/A	N/A	N/A	N/A	N/A	N/A
N/A	Field Spike	F.S. ID Number 7520	N/A		N/A	N/A	N/A	N/A	N/A	N/A
1558	SG-10S	8038	↓	Mercury	0.2	N/A	N/A	0.2	0.2	15
1600	SG-10D	8039	↓	↓	↓	↓	↓	↓	↓	↓
1620	SG-11/VP-11	8037	↓	↓	↓	↓	↓	↓	↓	↓

*Comments:

I verify that the field sampling was conducted in accordance with the specification(s) in the approval letter(s) included in the sampling kit.

* Any deviation or issue with sample collection will be noted above.

Signature: Jacob Palinsky

Printed Name: Jacob Palinsky

Date: 11/7/23

Sampling Notes

**Maximum Vacuum during sampling should be < 75hPa H_2O compared to ambient
*** Collection rate should be a maximum 0.2 L/minute

Sampling Media

Mercury: 200 mg Anasorb	PAH: 150mg XAD-2	PCB: 150 mg Florisil

Lab Use Only:
Fibertec Project Number:

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-5S **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1034
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	3495	**Regulator Identification Number**	3093
Leak Test Completed	N/A	**Sample Start Time**	1034
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-29
Suspected Contaminants	N/A	**Sample End Time**	1043
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-5S **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1108
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	7801	**Pump Identification Number**	OMPC-1
Leak Test Completed	N/A	**Sample Start Time**	1108
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 l/min
Suspected Contaminants	N/A	**Sample End Time**	1123
Moisture Identified	N/A	**End Flow Rate**	0.2 l/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 7361
HG Spike: 7520

Initial Pa: 12.1
End Pa: 12.4

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-5D **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1033
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	2279	**Regulator Identification Number**	3285
Leak Test Completed	N/A	**Sample Start Time**	1033
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-28
Suspected Contaminants	N/A	**Sample End Time**	1041
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-5D **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1110
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16”	**0.005**	**Screen Type**	N/A
1/4”	**0.01**	**Length of Extra Tubing Used**	N/A
1/2”	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	7356	**Pump Identification Number**	OMPC-2
Leak Test Completed	N/A	**Sample Start Time**	1110
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 l/min
Suspected Contaminants	N/A	**Sample End Time**	1125
Moisture Identified	N/A	**End Flow Rate**	0.2 l/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 7361
HG Spike: 7520

Initial Pa: 12.9
End Pa: 12.7

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-6S **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1155
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	4871	**Regulator Identification Number**	1020
Leak Test Completed	N/A	**Sample Start Time**	1155
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-28
Suspected Contaminants	N/A	**Sample End Time**	1202
Moisture Identified	N/A	**End Bottle Pressure**	-1.5
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-6S **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1209
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	7509	**Pump Identification Number**	OMPC-1
Leak Test Completed	N/A	**Sample Start Time**	1209
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 l/min
Suspected Contaminants	N/A	**Sample End Time**	1234
Moisture Identified	N/A	**End Flow Rate**	0.2 l/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 7361
HG Spike: 7520

Initial Pa: 78.3
End Pa: 77.9

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-6D **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1149
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	2498	**Regulator Identification Number**	4932
Leak Test Completed	N/A	**Sample Start Time**	1149
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-27
Suspected Contaminants	N/A	**Sample End Time**	1154
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-6D **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1207
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16”	**0.005**	**Screen Type**	N/A
1/4”	**0.01**	**Length of Extra Tubing Used**	N/A
1/2”	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	7390	**Pump Identification Number**	OMPC-2
Leak Test Completed	N/A	**Sample Start Time**	1207
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 l/min
Suspected Contaminants	N/A	**Sample End Time**	1232
Moisture Identified	N/A	**End Flow Rate**	0.2 l/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 7361
HG Spike: 7520

Initial Pa: 84.8
End Pa: 85.9

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-7S **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1303
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	0480	**Regulator Identification Number**	2617
Leak Test Completed	N/A	**Sample Start Time**	1303
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-29
Suspected Contaminants	N/A	**Sample End Time**	1309
Moisture Identified	N/A	**End Bottle Pressure**	-1
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-7S **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1332
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	8034	**Pump Identification Number**	OMPC-1
Leak Test Completed	N/A	**Sample Start Time**	1332
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 l/min
Suspected Contaminants	N/A	**Sample End Time**	1347
Moisture Identified	N/A	**End Flow Rate**	0.2 l/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 7361
HG Spike: 7520

Initial Pa: 90.1
End Pa: 90.7

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-7D **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1300
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	1067	**Regulator Identification Number**	4726
Leak Test Completed	N/A	**Sample Start Time**	1300
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-28
Suspected Contaminants	N/A	**Sample End Time**	1308
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-7D **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1330
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	8042	**Pump Identification Number**	OMPC-2
Leak Test Completed	N/A	**Sample Start Time**	1330
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 l/min
Suspected Contaminants	N/A	**Sample End Time**	1345
Moisture Identified	N/A	**End Flow Rate**	0.2 l/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 7361
HG Spike: 7520

Initial Pa: 80.3
End Pa: 81.2

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-8S **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1310
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	4123	**Regulator Identification Number**	3435
Leak Test Completed	N/A	**Sample Start Time**	1310
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-28
Suspected Contaminants	N/A	**Sample End Time**	1318
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-8S **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1407
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	8040	**Pump Identification Number**	OMPC-1
Leak Test Completed	N/A	**Sample Start Time**	1407
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 l/min
Suspected Contaminants	N/A	**Sample End Time**	1422
Moisture Identified	N/A	**End Flow Rate**	0.2 l/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 7361
HG Spike: 7520

Initial Pa: 98.4
End Pa: 99.0

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-8D **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1307
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	2357	**Regulator Identification Number**	4699
Leak Test Completed	N/A	**Sample Start Time**	1307
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-28
Suspected Contaminants	N/A	**Sample End Time**	1313
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-8D **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1405
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	8035	**Pump Identification Number**	OMPC-2
Leak Test Completed	N/A	**Sample Start Time**	1405
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 l/min
Suspected Contaminants	N/A	**Sample End Time**	1420
Moisture Identified	N/A	**End Flow Rate**	0.2 l/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 7361
HG Spike: 7520

Initial Pa: 86.6
End Pa: 84.2

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-9S **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1431
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	1085	**Regulator Identification Number**	3391
Leak Test Completed	N/A	**Sample Start Time**	1431
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-28
Suspected Contaminants	N/A	**Sample End Time**	1437
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-9S **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1520
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	7794	**Pump Identification Number**	OMPC-1
Leak Test Completed	N/A	**Sample Start Time**	1520
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 l/min
Suspected Contaminants	N/A	**Sample End Time**	1535
Moisture Identified	N/A	**End Flow Rate**	0.2 l/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 7361
HG Spike: 7520

Initial Pa: 80.9
End Pa: 80.1

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-9D **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1430
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	1160	**Regulator Identification Number**	4024
Leak Test Completed	N/A	**Sample Start Time**	1430
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-27
Suspected Contaminants	N/A	**Sample End Time**	1436
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-9D **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1518
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	8041	**Pump Identification Number**	OMPC-2
Leak Test Completed	N/A	**Sample Start Time**	1518
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 l/min
Suspected Contaminants	N/A	**Sample End Time**	1533
Moisture Identified	N/A	**End Flow Rate**	0.2 l/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 7361
HG Spike: 7520

Initial Pa: 90.1
End Pa: 92.3

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-10S **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1434
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	4290	**Regulator Identification Number**	2059
Leak Test Completed	N/A	**Sample Start Time**	1434
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-26
Suspected Contaminants	N/A	**Sample End Time**	1440
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-10S **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1543
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	8038	**Pump Identification Number**	OMPC-1
Leak Test Completed	N/A	**Sample Start Time**	1543
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 l/min
Suspected Contaminants	N/A	**Sample End Time**	1558
Moisture Identified	N/A	**End Flow Rate**	0.2 l/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 7361
HG Spike: 7520

Initial Pa: 80.8
End Pa: 84.2

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-10D **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1433
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	4821	**Regulator Identification Number**	1100
Leak Test Completed	N/A	**Sample Start Time**	1433
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-27
Suspected Contaminants	N/A	**Sample End Time**	1439
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-11/VP-11 **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1457
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	3159	**Regulator Identification Number**	4491
Leak Test Completed	N/A	**Sample Start Time**	1457
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-30
Suspected Contaminants	N/A	**Sample End Time**	1505
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-11/VP-11 **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1605
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	8037	**Pump Identification Number**	OMPC-1
Leak Test Completed	N/A	**Sample Start Time**	1605
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 l/min
Suspected Contaminants	N/A	**Sample End Time**	1620
Moisture Identified	N/A	**End Flow Rate**	0.2 l/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 7361
HG Spike: 7520

Initial Pa: 72.5
End Pa: 73.6

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-10D **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	1545
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	8039	**Pump Identification Number**	OMPC-2
Leak Test Completed	N/A	**Sample Start Time**	1545
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 l/min
Suspected Contaminants	N/A	**Sample End Time**	1600
Moisture Identified	N/A	**End Flow Rate**	0.2 l/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 7361
HG Spike: 7520

Initial Pa: 93.1
End Pa: 91.6

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: Duplicate **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	11/7/2023	**Time**	N/A
Ambient Temperature	38°F	**Barometric Pressure**	30.09 InHg
Current Weather Conditions: Cloudy, Light Rain			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	3159	**Regulator Identification Number**	4491
Leak Test Completed	N/A	**Sample Start Time**	1045
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-28
Suspected Contaminants	N/A	**Sample End Time**	1053
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

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Vapor Tube Sampling Field Worksheet

Client Name: West State Street	Sample Date: 11/7/23
Project Name/Number: 20-343A	Sampled By: Jacob Pavlinsky

Sample Identifiers					Field Calibration					
Time Collected	Sample Descriptor	Tube Lot Number	Vapor Kit Number	Analysis Requested	Field Pre Cal Rate (L/min)	** Pre Back Pressure (hPa)	** Post Back Pressure (hPa)	Field Post Cal Rate (L/min)	***Field Cal Average (L/min)	Total Time (minutes)
N/A	Field Blank	7361	N/A		N/A	N/A	N/A	N/A	N/A	N/A
		F.S. ID Number								
N/A	Field Spike	7520	N/A		N/A	N/A	N/A	N/A	N/A	N/A
1123	SG-5S	7801		Mercury	0.2	N/A	N/A	0.2	0.2	15
1125	SG-5D	7356								
1234	SG-6S	7519								
1232	SG-6D	7390								
1347	SG-7S	8034								
1345	SG-7D	8042								
1422	SG-8S	8040								
1420	SG-8D	8035								
1535	SG-9S	7744								
1533	SG-9D	8041	↓	↓	↓	↓	↓	↓	↓	↓

*Comments:

I verify that the field sampling was conducted in accordance with the specification(s) in the approval letter(s) included in the sampling kit.

* Any deviation or issue with sample collection will be noted above.

Signature: Jacob Pavlinsky

Printed Name: Jacob Pavlinsky

Date: 11/7/23

Sampling Notes

**Maximum Vacuum during sampling should be < 75hPa H_2O compared to ambient
*** Collection rate should be a maximum 0.2 L/minute

Sampling Media

Mercury: 200 mg Anasorb	PAH: 150mg XAD-2	PCB: 150 mg Florisil

Lab Use Only:
Fibertec Project Number:

Fibertec environmental services

Vapor Tube Sampling Field Worksheet

Client Name: West State Street	Sample Date: 11/7/23
Project Name/Number: 20-393A	Sampled By: Jake Palinsky

Sample Identifiers					Field Calibration					
Time Collected	Sample Descriptor	Tube Lot Number	Vapor Kit Number	Analysis Requested	Field Pre Cal Rate (L/min)	** Pre Back Pressure (hPa)	** Post Back Pressure (hPa)	Field Post Cal Rate (L/min)	***Field Cal Average (L/min)	Total Time (minutes)
N/A	Field Blank	7361	N/A		N/A	N/A	N/A	N/A	N/A	N/A
N/A	Field Spike	F.S. ID Number 7520	N/A		N/A	N/A	N/A	N/A	N/A	N/A
1558	SG-10S	8038	↓	Mercury	0.2	N/A	N/A	0.2	0.2	15
1600	SG-10D	8039	↓	↓	↓	↓	↓	↓	↓	↓
1620	SG-11/VP-11	8037	↓	↓	↓	↓	↓	↓	↓	↓

*Comments:

I verify that the field sampling was conducted in accordance with the specification(s) in the approval letter(s) included in the sampling kit.

* Any deviation or issue with sample collection will be noted above.

Sampling Notes

**Maximum Vacuum during sampling should be < 75hPa H_2O compared to ambient
*** Collection rate should be a maximum 0.2 L/minute

Sampling Media

Mercury: 200 mg Anasorb	PAH: 150mg XAD-2	PCB: 150 mg Florisil

Signature: Jacob Palinsky

Printed Name: Jacob Palinsky

Date: 11/7/23

Page 2 of 2

Lab Use Only:
Fibertec Project Number:

DCSID: G-430.5 (08/03/2021)

Fibertec environmental services

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Thursday, February 29, 2024

Fibertec Project Number:	A19794
Project Identification:	West State Street/20-393A /20-393A
Submittal Date:	02/22/2024

Mr. James Jackson
Otwell Mawby
309 E. Front St.
Traverse City, MI 49684

Dear Mr. Jackson,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 7 calendar days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

By Sue Ricketts at 12:35 PM, Feb 29, 2024

For Heather L. Smith
Director of Laboratory Operations

Enclosures

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Analytical Laboratory Report
Laboratory Project Number: A19794
Laboratory Sample Number: A19794-001

Order: A19794
Date: 02/29/24

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-5S**	Chain of Custody:	**218597**
Client Project Name:	**West State Street/20-393A**	Sample No:	**1**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-001** **Matrix: Air**
Method: EPA TO-15 **Description: SG-5S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
2. Benzene	U		µg/m3	19	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
3. Benzyl Chloride	U		µg/m3	6.2	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
4. Bromodichloromethane	U		µg/m3	8.0	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
5. Bromoform	U		µg/m3	62	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
6. Bromomethane	U		µg/m3	23	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
8. 2-Butanone	U		µg/m3	35	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
11. Chlorobenzene	U		µg/m3	28	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
12. Chloroethane	U		µg/m3	16	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
13. Chloroform	U		µg/m3	5.9	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
14. Chloromethane	U		µg/m3	12	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
15. Cyclohexane	U		µg/m3	41	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
29. 1,4-Dioxane	U		µg/m3	22	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
31. Ethylbenzene	U		µg/m3	52	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
33. n-Heptane	U		µg/m3	49	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
35. n-Hexane	U		µg/m3	42	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM

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Analytical Laboratory Report
Laboratory Project Number: A19794
Laboratory Sample Number: A19794-001

Order: A19794
Date: 02/29/24

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-5S**	Chain of Custody:	**218597**
Client Project Name:	**West State Street/20-393A**	Sample No:	**1**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-001** **Matrix: Air**
Method: EPA TO-15 **Description: SG-5S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
39. Methylene Chloride	U		µg/m3	42	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
40. MTBE	U		µg/m3	22	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
‡ 41. Naphthalene	U		µg/m3	19	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
42. Styrene	U		µg/m3	51	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
44. Tetrachloroethene	**260**		µg/m3	41	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
46. Toluene	U		µg/m3	23	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
50. Trichloroethene	U		µg/m3	1.6	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
51. Trichlorofluoromethane	U		µg/m3	34	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
55. Vinyl Acetate	U		µg/m3	42	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
56. Vinyl Chloride	U		µg/m3	15	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
57. m&p-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
58. o-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM
‡ 59. Xylenes	U		µg/m3	100	4.0	02/23/24	VQ24B23A	02/24/24 06:53	VQ24B23A	CM

Surrogate Summary

			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**96**	%	80-120	VQ	VQ24B23A	2/24/2024 06:53	1	VQ400

Mercury **Aliquot ID: A19794-001A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-5S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	02/27/24	PM24B27D	02/27/24	M724B27A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-5D**	Chain of Custody:	**218597**
Client Project Name:	**West State Street/20-393A**	Sample No:	**2**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-002** **Matrix: Air**
Method: EPA TO-15 **Description: SG-5D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
2. Benzene	U		µg/m3	19	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
3. Benzyl Chloride	U		µg/m3	6.2	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
4. Bromodichloromethane	U		µg/m3	8.0	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
5. Bromoform	U		µg/m3	62	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
6. Bromomethane	U		µg/m3	23	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
8. 2-Butanone	**59**		µg/m3	35	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
11. Chlorobenzene	U		µg/m3	28	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
12. Chloroethane	U		µg/m3	16	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
13. Chloroform	U		µg/m3	5.9	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
14. Chloromethane	U		µg/m3	12	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
15. Cyclohexane	U		µg/m3	41	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
29. 1,4-Dioxane	U		µg/m3	22	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
31. Ethylbenzene	U		µg/m3	52	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
33. n-Heptane	U		µg/m3	49	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
35. n-Hexane	U		µg/m3	42	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-5D**	Chain of Custody:	**218597**
Client Project Name:	**West State Street/20-393A**	Sample No:	**2**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-002** **Matrix: Air**
Method: EPA TO-15 **Description: SG-5D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
39. Methylene Chloride	U		µg/m3	42	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
40. MTBE	U		µg/m3	22	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
‡ 41. Naphthalene	U		µg/m3	19	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
42. Styrene	U		µg/m3	51	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
44. Tetrachloroethene	**740**		µg/m3	41	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
46. Toluene	U		µg/m3	23	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
50. Trichloroethene	U		µg/m3	1.6	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
51. Trichlorofluoromethane	U		µg/m3	34	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
55. Vinyl Acetate	U		µg/m3	42	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
56. Vinyl Chloride	U		µg/m3	15	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
57. m&p-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
58. o-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM
‡ 59. Xylenes	U		µg/m3	100	4.0	02/23/24	VQ24B23A	02/24/24 07:47	VQ24B23A	CM

Surrogate Summary

			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**96**	%	80-120	VQ	VQ24B23A	2/24/2024 07:47	1	VQ400

Mercury **Aliquot ID: A19794-002A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-5D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	02/27/24	PM24B27D	02/27/24	M724B27A	JLH

Analytical Laboratory Report
Laboratory Project Number: A19794
Laboratory Sample Number: A19794-003

Order: A19794
Date: 02/29/24

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-6S**	Chain of Custody:	**218597**
Client Project Name:	**West State Street/20-393A**	Sample No:	**3**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-003** **Matrix: Air**
Method: EPA TO-15 **Description: SG-6S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
2. Benzene	U		µg/m3	19	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
3. Benzyl Chloride	U		µg/m3	6.2	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
4. Bromodichloromethane	U		µg/m3	8.0	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
5. Bromoform	U		µg/m3	62	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
6. Bromomethane	U		µg/m3	23	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
8. 2-Butanone	U		µg/m3	35	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
11. Chlorobenzene	U		µg/m3	28	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
12. Chloroethane	U		µg/m3	16	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
13. Chloroform	U		µg/m3	5.9	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
14. Chloromethane	U		µg/m3	12	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
15. Cyclohexane	U		µg/m3	41	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
29. 1,4-Dioxane	U		µg/m3	22	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
31. Ethylbenzene	U		µg/m3	52	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
33. n-Heptane	U		µg/m3	49	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
35. n-Hexane	U		µg/m3	42	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-6S**	Chain of Custody:	**218597**
Client Project Name:	**West State Street/20-393A**	Sample No:	**3**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-003** **Matrix: Air**
Method: EPA TO-15 **Description: SG-6S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
39. Methylene Chloride	U		µg/m3	42	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
40. MTBE	U		µg/m3	22	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
‡ 41. Naphthalene	U		µg/m3	19	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
42. Styrene	U		µg/m3	51	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
44. Tetrachloroethene	**74**		µg/m3	41	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
46. Toluene	U		µg/m3	23	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
50. Trichloroethene	U		µg/m3	1.6	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
51. Trichlorofluoromethane	U		µg/m3	34	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
55. Vinyl Acetate	U		µg/m3	42	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
56. Vinyl Chloride	U		µg/m3	15	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
57. m&p-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
58. o-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM
‡ 59. Xylenes	U		µg/m3	100	4.0	02/23/24	VQ24B23A	02/24/24 08:41	VQ24B23A	CM

Surrogate Summary

			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**95**	%	80-120	VQ	VQ24B23A	2/24/2024 08:41	1	VQ400

Mercury **Aliquot ID: A19794-003A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-6S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	02/27/24	PM24B27D	02/27/24	M724B27A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-6D**	Chain of Custody:	**218597**
Client Project Name:	**West State Street/20-393A**	Sample No:	**4**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-004** **Matrix: Air**
Method: EPA TO-15 **Description: SG-6D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
2. Benzene	U		µg/m3	19	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
3. Benzyl Chloride	U		µg/m3	6.2	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
4. Bromodichloromethane	U		µg/m3	8.0	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
5. Bromoform	U		µg/m3	62	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
6. Bromomethane	U		µg/m3	23	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
8. 2-Butanone	**45**		µg/m3	35	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
11. Chlorobenzene	U		µg/m3	28	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
12. Chloroethane	U		µg/m3	16	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
13. Chloroform	U		µg/m3	5.9	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
14. Chloromethane	U		µg/m3	12	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
15. Cyclohexane	U		µg/m3	41	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
29. 1,4-Dioxane	U		µg/m3	22	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
31. Ethylbenzene	U		µg/m3	52	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
33. n-Heptane	U		µg/m3	49	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
35. n-Hexane	U		µg/m3	42	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-6D**	Chain of Custody:	**218597**
Client Project Name:	**West State Street/20-393A**	Sample No:	**4**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-004** **Matrix: Air**
Method: EPA TO-15 **Description: SG-6D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
39. Methylene Chloride	U		µg/m3	42	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
40. MTBE	U		µg/m3	22	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
‡ 41. Naphthalene	U		µg/m3	19	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
42. Styrene	U		µg/m3	51	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
44. Tetrachloroethene	**99**		µg/m3	41	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
46. Toluene	U		µg/m3	23	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
50. Trichloroethene	U		µg/m3	1.6	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
51. Trichlorofluoromethane	U		µg/m3	34	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
55. Vinyl Acetate	U		µg/m3	42	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
56. Vinyl Chloride	U		µg/m3	15	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
57. m&p-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
58. o-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM
‡ 59. Xylenes	U		µg/m3	100	4.0	02/23/24	VQ24B23A	02/24/24 09:35	VQ24B23A	CM

Surrogate Summary

			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**96**	%	80-120	VQ	VQ24B23A	2/24/2024 09:35	1	VQ400

Mercury **Aliquot ID: A19794-004A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-6D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	02/27/24	PM24B27D	02/27/24	M724B27A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-7S**	Chain of Custody:	**218597**
Client Project Name:	**West State Street/20-393A**	Sample No:	**5**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-005** **Matrix: Air**
Method: EPA TO-15 **Description: SG-7S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
2. Benzene	U		µg/m3	19	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
3. Benzyl Chloride	U		µg/m3	6.2	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
4. Bromodichloromethane	U		µg/m3	8.0	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
5. Bromoform	U		µg/m3	62	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
6. Bromomethane	U		µg/m3	23	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
8. 2-Butanone	U		µg/m3	35	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
11. Chlorobenzene	U		µg/m3	28	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
12. Chloroethane	U		µg/m3	16	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
13. Chloroform	U		µg/m3	5.9	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
14. Chloromethane	U		µg/m3	12	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
15. Cyclohexane	U		µg/m3	41	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
29. 1,4-Dioxane	U		µg/m3	22	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
31. Ethylbenzene	U		µg/m3	52	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
33. n-Heptane	U		µg/m3	49	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
35. n-Hexane	U		µg/m3	42	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-7S**	Chain of Custody:	**218597**
Client Project Name:	**West State Street/20-393A**	Sample No:	**5**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-005** **Matrix: Air**
Method: EPA TO-15 **Description: SG-7S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
39. Methylene Chloride	U		µg/m3	42	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
40. MTBE	U		µg/m3	22	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
‡ 41. Naphthalene	U		µg/m3	19	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
42. Styrene	U		µg/m3	51	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
44. Tetrachloroethene	U		µg/m3	41	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
46. Toluene	**45**		µg/m3	23	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
50. Trichloroethene	U		µg/m3	1.6	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
51. Trichlorofluoromethane	U		µg/m3	34	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
55. Vinyl Acetate	U		µg/m3	42	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
56. Vinyl Chloride	U		µg/m3	15	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
57. m&p-Xylene	U		µg/m3	52	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
58. o-Xylene	U		µg/m3	52	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM
‡ 59. Xylenes	U		µg/m3	100	4.0	02/24/24	VQ24B24A	02/24/24 22:38	VQ24B24A	CM

Surrogate Summary

			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**98**	%	80-120	VQ	VQ24B24A	2/24/2024 22:38	1	VQ400

Mercury **Aliquot ID: A19794-005A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-7S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	02/27/24	PM24B27D	02/27/24	M724B27A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-7D**	Chain of Custody:	**218597**
Client Project Name:	**West State Street/20-393A**	Sample No:	**6**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-006** **Matrix: Air**
Method: EPA TO-15 **Description: SG-7D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
2. Benzene	U		µg/m3	19	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
3. Benzyl Chloride	U		µg/m3	6.2	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
4. Bromodichloromethane	U		µg/m3	8.0	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
5. Bromoform	U		µg/m3	62	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
6. Bromomethane	U		µg/m3	23	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
8. 2-Butanone	U		µg/m3	35	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
11. Chlorobenzene	U		µg/m3	28	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
12. Chloroethane	U		µg/m3	16	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
13. Chloroform	U		µg/m3	5.9	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
14. Chloromethane	U		µg/m3	12	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
15. Cyclohexane	U		µg/m3	41	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
29. 1,4-Dioxane	U		µg/m3	22	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
31. Ethylbenzene	U		µg/m3	52	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
33. n-Heptane	U		µg/m3	49	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
35. n-Hexane	U		µg/m3	42	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-7D**	Chain of Custody:	**218597**
Client Project Name:	**West State Street/20-393A**	Sample No:	**6**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-006** **Matrix: Air**
Method: EPA TO-15 **Description: SG-7D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
39. Methylene Chloride	U		µg/m3	42	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
40. MTBE	U		µg/m3	22	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
‡ 41. Naphthalene	U		µg/m3	19	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
42. Styrene	U		µg/m3	51	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
44. Tetrachloroethene	U		µg/m3	41	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
46. Toluene	U		µg/m3	23	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
50. Trichloroethene	U		µg/m3	1.6	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
51. Trichlorofluoromethane	U		µg/m3	34	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
55. Vinyl Acetate	U		µg/m3	42	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
56. Vinyl Chloride	U		µg/m3	15	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
57. m&p-Xylene	U		µg/m3	52	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
58. o-Xylene	U		µg/m3	52	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM
‡ 59. Xylenes	U		µg/m3	100	4.0	02/24/24	VQ24B24A	02/24/24 23:33	VQ24B24A	CM

Surrogate Summary

			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**95**	%	80-120	VQ	VQ24B24A	2/24/2024 23:33	1	VQ400

Mercury **Aliquot ID: A19794-006A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-7D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	02/27/24	PM24B27D	02/27/24	M724B27A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-8S**	Chain of Custody:	**218597**
Client Project Name:	**West State Street/20-393A**	Sample No:	**7**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-007** **Matrix: Air**
Method: EPA TO-15 **Description: SG-8S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
2. Benzene	U		µg/m3	19	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
3. Benzyl Chloride	U		µg/m3	6.2	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
4. Bromodichloromethane	U		µg/m3	8.0	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
5. Bromoform	U		µg/m3	62	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
6. Bromomethane	U		µg/m3	23	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
8. 2-Butanone	U		µg/m3	35	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
11. Chlorobenzene	U		µg/m3	28	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
12. Chloroethane	U		µg/m3	16	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
13. Chloroform	U		µg/m3	5.9	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
14. Chloromethane	U		µg/m3	12	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
15. Cyclohexane	U		µg/m3	41	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
29. 1,4-Dioxane	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
31. Ethylbenzene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
33. n-Heptane	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
35. n-Hexane	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-8S**	Chain of Custody:	**218597**
Client Project Name:	**West State Street/20-393A**	Sample No:	**7**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-007** **Matrix: Air**
Method: EPA TO-15 **Description: SG-8S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
39. Methylene Chloride	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
40. MTBE	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
‡ 41. Naphthalene	U		µg/m3	19	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
42. Styrene	U		µg/m3	51	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
44. Tetrachloroethene	U		µg/m3	41	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
46. Toluene	U		µg/m3	23	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
50. Trichloroethene	U		µg/m3	1.6	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
51. Trichlorofluoromethane	U		µg/m3	34	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
55. Vinyl Acetate	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
56. Vinyl Chloride	U		µg/m3	15	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
57. m&p-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
58. o-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM
‡ 59. Xylenes	U		µg/m3	100	4.0	02/23/24	VQ24B24A	02/25/24 00:27	VQ24B24A	CM

Surrogate Summary

			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**97**	%	80-120	VQ	VQ24B24A	2/25/2024 00:27	1	VQ400

Mercury **Aliquot ID: A19794-007A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-8S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	02/27/24	PM24B27D	02/27/24	M724B27A	JLH

Analytical Laboratory Report
Laboratory Project Number: A19794
Laboratory Sample Number: A19794-008

Order: A19794
Date: 02/29/24

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-8D**	Chain of Custody:	**218597**
Client Project Name:	**West State Street/20-393A**	Sample No:	**8**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-008** **Matrix: Air**
Method: EPA TO-15 **Description: SG-8D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
2. Benzene	U		µg/m3	19	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
3. Benzyl Chloride	U		µg/m3	6.2	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
4. Bromodichloromethane	U		µg/m3	8.0	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
5. Bromoform	U		µg/m3	62	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
6. Bromomethane	U		µg/m3	23	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
8. 2-Butanone	**45**		µg/m3	35	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
11. Chlorobenzene	U		µg/m3	28	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
12. Chloroethane	U		µg/m3	16	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
13. Chloroform	U		µg/m3	5.9	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
14. Chloromethane	U		µg/m3	12	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
15. Cyclohexane	U		µg/m3	41	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
29. 1,4-Dioxane	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
31. Ethylbenzene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
33. n-Heptane	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
35. n-Hexane	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-8D**	Chain of Custody:	**218597**
Client Project Name:	**West State Street/20-393A**	Sample No:	**8**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-008** **Matrix: Air**
Method: EPA TO-15 **Description: SG-8D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
39. Methylene Chloride	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
40. MTBE	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
‡ 41. Naphthalene	U		µg/m3	19	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
42. Styrene	U		µg/m3	51	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
44. Tetrachloroethene	U		µg/m3	41	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
46. Toluene	U		µg/m3	23	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
50. Trichloroethene	U		µg/m3	1.6	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
51. Trichlorofluoromethane	U		µg/m3	34	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
55. Vinyl Acetate	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
56. Vinyl Chloride	U		µg/m3	15	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
57. m&p-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
58. o-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM
‡ 59. Xylenes	U		µg/m3	100	4.0	02/23/24	VQ24B24A	02/25/24 01:22	VQ24B24A	CM

Surrogate Summary

			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**94**	%	80-120	VQ	VQ24B24A	2/25/2024 01:22	1	VQ400

Mercury **Aliquot ID: A19794-008A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-8D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	02/27/24	PM24B27D	02/27/24	M724B27A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-9S**	Chain of Custody:	**218597**
Client Project Name:	**West State Street/20-393A**	Sample No:	**9**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-009** **Matrix: Air**
Method: EPA TO-15 **Description: SG-9S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
2. Benzene	U		µg/m3	19	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
3. Benzyl Chloride	U		µg/m3	6.2	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
4. Bromodichloromethane	U		µg/m3	8.0	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
5. Bromoform	U		µg/m3	62	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
6. Bromomethane	U		µg/m3	23	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
8. 2-Butanone	U		µg/m3	35	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
11. Chlorobenzene	U		µg/m3	28	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
12. Chloroethane	U		µg/m3	16	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
13. Chloroform	U		µg/m3	5.9	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
14. Chloromethane	U		µg/m3	12	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
15. Cyclohexane	U		µg/m3	41	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
29. 1,4-Dioxane	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
31. Ethylbenzene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
33. n-Heptane	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
35. n-Hexane	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-9S**	Chain of Custody:	**218597**
Client Project Name:	**West State Street/20-393A**	Sample No:	**9**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-009** **Matrix: Air**
Method: EPA TO-15 **Description: SG-9S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
39. Methylene Chloride	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
40. MTBE	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
‡ 41. Naphthalene	U		µg/m3	19	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
42. Styrene	U		µg/m3	51	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
44. Tetrachloroethene	U		µg/m3	41	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
46. Toluene	U		µg/m3	23	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
50. Trichloroethene	U		µg/m3	1.6	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
51. Trichlorofluoromethane	U		µg/m3	34	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
55. Vinyl Acetate	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
56. Vinyl Chloride	U		µg/m3	15	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
57. m&p-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
58. o-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM
‡ 59. Xylenes	U		µg/m3	100	4.0	02/23/24	VQ24B24A	02/25/24 02:16	VQ24B24A	CM

Surrogate Summary

			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**95**	%	80-120	VQ	VQ24B24A	2/25/2024 02:16	1	VQ400

Mercury **Aliquot ID: A19794-009A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-9S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	02/27/24	PM24B27D	02/27/24	M724B27A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-9D**	Chain of Custody:	**218597**
Client Project Name:	**West State Street/20-393A**	Sample No:	**10**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-010** **Matrix: Air**
Method: EPA TO-15 **Description: SG-9D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
2. Benzene	U		µg/m3	19	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
3. Benzyl Chloride	U		µg/m3	6.2	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
4. Bromodichloromethane	U		µg/m3	8.0	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
5. Bromoform	U		µg/m3	62	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
6. Bromomethane	U		µg/m3	23	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
8. 2-Butanone	U		µg/m3	35	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
11. Chlorobenzene	U		µg/m3	28	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
12. Chloroethane	U		µg/m3	16	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
13. Chloroform	U		µg/m3	5.9	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
14. Chloromethane	U		µg/m3	12	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
15. Cyclohexane	U		µg/m3	41	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
29. 1,4-Dioxane	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
31. Ethylbenzene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
33. n-Heptane	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
35. n-Hexane	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-9D**	Chain of Custody:	**218597**
Client Project Name:	**West State Street/20-393A**	Sample No:	**10**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-010** **Matrix: Air**
Method: EPA TO-15 **Description: SG-9D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
39. Methylene Chloride	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
40. MTBE	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
‡ 41. Naphthalene	U		µg/m3	19	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
42. Styrene	U		µg/m3	51	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
44. Tetrachloroethene	U		µg/m3	41	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
46. Toluene	U		µg/m3	23	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
50. Trichloroethene	U		µg/m3	1.6	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
51. Trichlorofluoromethane	U		µg/m3	34	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
55. Vinyl Acetate	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
56. Vinyl Chloride	U		µg/m3	15	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
57. m&p-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
58. o-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM
‡ 59. Xylenes	U		µg/m3	100	4.0	02/23/24	VQ24B24A	02/25/24 03:11	VQ24B24A	CM

Surrogate Summary

			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**97**	%	80-120	VQ	VQ24B24A	2/25/2024 03:11	1	VQ400

Mercury **Aliquot ID: A19794-010A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-9D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	02/27/24	PM24B27D	02/27/24	M724B27A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-10S**	Chain of Custody:	**218596**
Client Project Name:	**West State Street/20-393A**	Sample No:	**11**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-011** **Matrix: Air**
Method: EPA TO-15 **Description: SG-10S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
2. Benzene	U		µg/m3	19	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
3. Benzyl Chloride	U		µg/m3	6.2	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
4. Bromodichloromethane	U		µg/m3	8.0	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
5. Bromoform	U		µg/m3	62	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
6. Bromomethane	U		µg/m3	23	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
8. 2-Butanone	U		µg/m3	35	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
11. Chlorobenzene	U		µg/m3	28	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
12. Chloroethane	U		µg/m3	16	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
13. Chloroform	U		µg/m3	5.9	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
14. Chloromethane	U		µg/m3	12	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
15. Cyclohexane	U		µg/m3	41	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
29. 1,4-Dioxane	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
31. Ethylbenzene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
33. n-Heptane	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
35. n-Hexane	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-10S**	Chain of Custody:	**218596**
Client Project Name:	**West State Street/20-393A**	Sample No:	**11**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-011** **Matrix: Air**
Method: EPA TO-15 **Description: SG-10S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
39. Methylene Chloride	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
40. MTBE	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
‡ 41. Naphthalene	U		µg/m3	19	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
42. Styrene	U		µg/m3	51	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
44. Tetrachloroethene	U		µg/m3	41	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
46. Toluene	U		µg/m3	23	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
50. Trichloroethene	U		µg/m3	1.6	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
51. Trichlorofluoromethane	U		µg/m3	34	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
55. Vinyl Acetate	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
56. Vinyl Chloride	U		µg/m3	15	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
57. m&p-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
58. o-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM
‡ 59. Xylenes	U		µg/m3	100	4.0	02/23/24	VQ24B24A	02/25/24 04:05	VQ24B24A	CM

Surrogate Summary

			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**96**	%	80-120	VQ	VQ24B24A	2/25/2024 04:05	1	VQ400

Mercury **Aliquot ID: A19794-011A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-10S**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	02/27/24	PM24B27D	02/27/24	M724B27A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-10D**	Chain of Custody:	**218596**
Client Project Name:	**West State Street/20-393A**	Sample No:	**12**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-012** **Matrix: Air**
Method: EPA TO-15 **Description: SG-10D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
2. Benzene	U		µg/m3	19	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
3. Benzyl Chloride	U		µg/m3	6.2	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
4. Bromodichloromethane	U		µg/m3	8.0	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
5. Bromoform	U		µg/m3	62	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
6. Bromomethane	U		µg/m3	23	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
8. 2-Butanone	**52**		µg/m3	35	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
11. Chlorobenzene	U		µg/m3	28	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
12. Chloroethane	U		µg/m3	16	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
13. Chloroform	U		µg/m3	5.9	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
14. Chloromethane	U		µg/m3	12	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
15. Cyclohexane	U		µg/m3	41	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
29. 1,4-Dioxane	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
31. Ethylbenzene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
33. n-Heptane	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
35. n-Hexane	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-10D**	Chain of Custody:	**218596**
Client Project Name:	**West State Street/20-393A**	Sample No:	**12**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-012** **Matrix: Air**
Method: EPA TO-15 **Description: SG-10D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
39. Methylene Chloride	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
40. MTBE	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
‡ 41. Naphthalene	U		µg/m3	19	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
42. Styrene	U		µg/m3	51	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
44. Tetrachloroethene	U		µg/m3	41	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
46. Toluene	U		µg/m3	23	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
50. Trichloroethene	U		µg/m3	1.6	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
51. Trichlorofluoromethane	U		µg/m3	34	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
55. Vinyl Acetate	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
56. Vinyl Chloride	U		µg/m3	15	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
57. m&p-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
58. o-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM
‡ 59. Xylenes	U		µg/m3	100	4.0	02/23/24	VQ24B24A	02/25/24 04:59	VQ24B24A	CM

Surrogate Summary

			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**94**	%	80-120	VQ	VQ24B24A	2/25/2024 04:59	1	VQ400

Mercury **Aliquot ID: A19794-012A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-10D**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	02/27/24	PM24B27D	02/27/24	M724B27A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-11/VP-11**	Chain of Custody:	**218596**
Client Project Name:	**West State Street/20-393A**	Sample No:	**13**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-013** **Matrix: Air**
Method: EPA TO-15 **Description: SG-11/VP-11**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
2. Benzene	U		µg/m3	19	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
3. Benzyl Chloride	U		µg/m3	6.2	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
4. Bromodichloromethane	U		µg/m3	8.0	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
5. Bromoform	U		µg/m3	62	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
6. Bromomethane	U		µg/m3	23	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
8. 2-Butanone	U		µg/m3	35	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
11. Chlorobenzene	U		µg/m3	28	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
12. Chloroethane	U		µg/m3	16	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
13. Chloroform	U		µg/m3	5.9	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
14. Chloromethane	U		µg/m3	12	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
15. Cyclohexane	U		µg/m3	41	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
29. 1,4-Dioxane	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
31. Ethylbenzene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
33. n-Heptane	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
35. n-Hexane	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM

Client Identification:	**Otwell Mawby**	Sample Description:	**SG-11/VP-11**	Chain of Custody:	**218596**
Client Project Name:	**West State Street/20-393A**	Sample No:	**13**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-013** **Matrix: Air**
Method: EPA TO-15 **Description: SG-11/VP-11**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
39. Methylene Chloride	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
40. MTBE	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
‡ 41. Naphthalene	U		µg/m3	19	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
42. Styrene	U		µg/m3	51	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
44. Tetrachloroethene	U		µg/m3	41	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
46. Toluene	U		µg/m3	23	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
50. Trichloroethene	U		µg/m3	1.6	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
51. Trichlorofluoromethane	U		µg/m3	34	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
55. Vinyl Acetate	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
56. Vinyl Chloride	U		µg/m3	15	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
57. m&p-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
58. o-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM
‡ 59. Xylenes	U		µg/m3	100	4.0	02/23/24	VQ24B24A	02/25/24 05:54	VQ24B24A	CM

Surrogate Summary

			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**96**	%	80-120	VQ	VQ24B24A	2/25/2024 05:54	1	VQ400

Mercury **Aliquot ID: A19794-013A** **Matrix: Air**
Method: NIOSH 6009 (Modified) **Description: SG-11/VP-11**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg/m3	0.33	1.0	02/27/24	PM24B27D	02/27/24	M724B27A	JLH

Client Identification:	**Otwell Mawby**	Sample Description:	**Duplicate**	Chain of Custody:	**218596**
Client Project Name:	**West State Street/20-393A**	Sample No:	**14**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-014** **Matrix: Air**
Method: EPA TO-15 **Description: Duplicate**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
2. Benzene	U		µg/m3	19	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
3. Benzyl Chloride	U		µg/m3	6.2	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
4. Bromodichloromethane	U		µg/m3	8.0	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
5. Bromoform	U		µg/m3	62	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
6. Bromomethane	U		µg/m3	23	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
8. 2-Butanone	U		µg/m3	35	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
11. Chlorobenzene	U		µg/m3	28	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
12. Chloroethane	U		µg/m3	16	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
13. Chloroform	U		µg/m3	5.9	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
14. Chloromethane	U		µg/m3	12	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
15. Cyclohexane	U		µg/m3	41	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
29. 1,4-Dioxane	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
31. Ethylbenzene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
33. n-Heptane	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
35. n-Hexane	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM

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Analytical Laboratory Report
Laboratory Project Number: A19794
Laboratory Sample Number: A19794-014

Order: A19794
Date: 02/29/24

Client Identification:	**Otwell Mawby**	Sample Description:	**Duplicate**	Chain of Custody:	**218596**
Client Project Name:	**West State Street/20-393A**	Sample No:	**14**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-014** **Matrix: Air**
Method: EPA TO-15 **Description: Duplicate**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
39. Methylene Chloride	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
40. MTBE	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
‡ 41. Naphthalene	U		µg/m3	19	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
42. Styrene	U		µg/m3	51	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
44. Tetrachloroethene	**280**		µg/m3	41	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
46. Toluene	U		µg/m3	23	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
50. Trichloroethene	U		µg/m3	1.6	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
51. Trichlorofluoromethane	U		µg/m3	34	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
55. Vinyl Acetate	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
56. Vinyl Chloride	U		µg/m3	15	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
57. m&p-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
58. o-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM
‡ 59. Xylenes	U		µg/m3	100	4.0	02/23/24	VQ24B24A	02/25/24 06:48	VQ24B24A	CM

Surrogate Summary			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**94**	%	80-120	VQ	VQ24B24A	2/25/2024 06:48	1	VQ400

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Analytical Laboratory Report
Laboratory Project Number: A19794
Laboratory Sample Number: A19794-015

Order: A19794
Date: 02/29/24

Client Identification:	**Otwell Mawby**	Sample Description:	**Spike**	Chain of Custody:	**218596**
Client Project Name:	**West State Street/20-393A**	Sample No:	**15**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Field Spike: Tube**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Mercury **Aliquot ID: A19794-015** **Matrix: Field Spike: Tube**
Method: NIOSH 6009 (Modified) **Description: Spike**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	**0.0086**		µg	0.0020	1.0	02/27/24	PM24B27D	02/27/24	M724B27A	JLH
‡ 2. Mercury (Recovery)	**86**		%	0	1.0	NA	NA	02/27/24	NA	JLH

Analytical Laboratory Report
Laboratory Project Number: A19794
Laboratory Sample Number: A19794-016

Order: A19794
Date: 02/29/24

Client Identification:	**Otwell Mawby**	Sample Description:	**Field Blank**	Chain of Custody:	**218596**
Client Project Name:	**West State Street/20-393A**	Sample No:	**16**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-016** **Matrix: Air**
Method: EPA TO-15 **Description: Field Blank**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acetone	U		µg/m3	57	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
2. Benzene	U		µg/m3	19	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
3. Benzyl Chloride	U		µg/m3	6.2	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
4. Bromodichloromethane	U		µg/m3	8.0	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
5. Bromoform	U		µg/m3	62	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
6. Bromomethane	U		µg/m3	23	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
7. 1,3-Butadiene	U		µg/m3	2.7	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
8. 2-Butanone	U		µg/m3	35	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
‡ 9. Carbon Disulfide	U		µg/m3	37	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
11. Chlorobenzene	U		µg/m3	28	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
12. Chloroethane	U		µg/m3	16	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
13. Chloroform	U		µg/m3	5.9	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
14. Chloromethane	U		µg/m3	12	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
15. Cyclohexane	U		µg/m3	41	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
29. 1,4-Dioxane	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
‡ 30. Ethyl Acetate	U		µg/m3	43	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
31. Ethylbenzene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
32. Ethylene Dibromide	U		µg/m3	0.92	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
33. n-Heptane	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
34. Hexachlorobutadiene	U		µg/m3	5.1	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
35. n-Hexane	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
‡ 36. 2-Hexanone	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM

Client Identification:	**Otwell Mawby**	Sample Description:	**Field Blank**	Chain of Custody:	**218596**
Client Project Name:	**West State Street/20-393A**	Sample No:	**16**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) **Aliquot ID: A19794-016** **Matrix: Air**
Method: EPA TO-15 **Description: Field Blank**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
38. 4-Methyl-2-pentanone	U		µg/m3	49	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
39. Methylene Chloride	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
40. MTBE	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
‡ 41. Naphthalene	U		µg/m3	19	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
42. Styrene	U		µg/m3	51	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
44. Tetrachloroethene	U		µg/m3	41	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
‡ 45. Tetrahydrofuran	U		µg/m3	3.5	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
46. Toluene	U		µg/m3	23	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
47. 1,2,4-Trichlorobenzene	U		µg/m3	22	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
48. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
49. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
50. Trichloroethene	U		µg/m3	1.6	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
51. Trichlorofluoromethane	U		µg/m3	34	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	46	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
53. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
54. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
55. Vinyl Acetate	U		µg/m3	42	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
56. Vinyl Chloride	U		µg/m3	15	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
57. m&p-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
58. o-Xylene	U		µg/m3	52	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM
‡ 59. Xylenes	U		µg/m3	100	4.0	02/23/24	VQ24B24A	02/25/24 07:43	VQ24B24A	CM

Surrogate Summary			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	**95**	%	80-120	VQ	VQ24B24A	2/25/2024 07:43	1	VQ400

Fibertec environmental services
A METIRI GROUP COMPANY

Analytical Laboratory Report
Laboratory Project Number: A19794
Laboratory Sample Number: A19794-016

Order: A19794
Date: 02/29/24

Client Identification:	**Otwell Mawby**	Sample Description:	**Field Blank**	Chain of Custody:	**218596**
Client Project Name:	**West State Street/20-393A**	Sample No:	**16**	Collect Date:	**02/19/24**
Client Project No:	**20-393A**	Sample Matrix:	**Air**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Mercury **Aliquot ID: A19794-016A** **Matrix: Blank: Tube**
Method: NIOSH 6009 (Modified) **Description: Field Blank**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Mercury	U		µg	0.0020	1.0	02/27/24	PM24B27D	02/27/24	M724B27A	JLH

Definitions/ Qualifiers:

A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
M: Modified Method
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
***:** Value reported is outside QC limits
D: The sample or extract was analyzed at a DF greater than 1.

Exception Summary:

Analysis Locations:

All analyses performed in Holt.

Accreditation Number(s):

TX-C24-00039 (TX)

PM24B27D: Method Blank (MB)

NIOSH 6009 (Modifiec

Run Time: PM24B27D.MB 02/27/2024 10:39 [M724B27A]

Analyte	MB Result	MB Qualifier	MB RDL
	µg/m3		µg/m3
Mercury	U		0.0020

PM24B27D: Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD)

NIOSH 6009 (Modifiec

Run Time: PM24B27D.LCS: 02/27/2024 10:40 [M724B27A] PM24B27D.LCSD: 02/27/2024 10:42 [M724B27A]

Analyte	LCS Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier	LCSD Spike Amount	LCSD Result	LCSD Rec.	LCSD Qualifier	RPD	RPD Limits	RPD Qualifier
	µg/m3	µg/m3	%	%		µg/m3	µg/m3	%		%	%	
Mercury	0.0100	0.00950	95	85-115		0.0100	0.00960	96		1	20	

VQ24B23A: Method Blank (MB)

EPA TO-15

Run Time: VQ24B23A.MB 02/23/2024 16:35 [VQ24B23A]

Analyte	MB Result	MB Qualifier	MB RDL
	µg/m3		µg/m3
Acetone	U		57
Benzene	U		19
Benzyl Chloride	U		6.2
Bromodichloromethane	U		8.0
Bromoform	U		62
Bromomethane	U		23
1,3-Butadiene	U		2.7
2-Butanone	U		35
Carbon Disulfide	U		37
Carbon Tetrachloride	U		7.5
Chlorobenzene	U		28
Chloroethane	U		16
Chloroform	U		5.9
Chloromethane	U		12
Cyclohexane	U		41
Dibromochloromethane	U		4.1
1,2-Dichlorobenzene	U		36
1,3-Dichlorobenzene	U		36
1,4-Dichlorobenzene	U		36
Dichlorodifluoromethane	U		30
1,1-Dichloroethane	U		24
1,2-Dichloroethane	U		4.9
1,1-Dichloroethene	U		24
cis-1,2-Dichloroethene	U		24
trans-1,2-Dichloroethene	U		24
1,2-Dichloropropane	U		28
cis-1,3-Dichloropropene	U		27
trans-1,3-Dichloropropene	U		27
1,4-Dioxane	U		22
Ethyl Acetate	U		43
Ethylbenzene	U		52

VQ24B23A: Method Blank (MB)

EPA TO-15

Run Time: VQ24B23A.MB 02/23/2024 16:35 [VQ24B23A]

Analyte	MB Result	MB Qualifier	MB RDL
	µg/m3		µg/m3
Ethylene Dibromide	U		0.92
n-Heptane	U		49
Hexachlorobutadiene	U		5.1
n-Hexane	U		42
2-Hexanone	U		49
Isopropanol	U		29
4-Methyl-2-pentanone	U		49
Methylene Chloride	U		42
MTBE	U		22
Naphthalene	U		19
Styrene	U		51
1,1,2,2-Tetrachloroethane	U		3.3
Tetrachloroethene	U		41
Tetrahydrofuran	U		3.5
Toluene	U		23
1,2,4-Trichlorobenzene	U		22
1,1,1-Trichloroethane	U		33
1,1,2-Trichloroethane	U		6.5
Trichloroethene	U		1.6
Trichlorofluoromethane	U		34
1,1,2-Trichlorotrifluoroethane	U		46
1,2,4-Trimethylbenzene	U		29
1,3,5-Trimethylbenzene	U		29
Vinyl Acetate	U		42
Vinyl Chloride	U		15
m&p-Xylene	U		52
o-Xylene	U		52
4-Bromofluorobenzene(S)	*100*		*80-120*

VQ24B23A: Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) — EPA TO-15

Run Time: VQ24B23A.LCS: 02/23/2024 13:46 [VQ24B23A] VQ24B23A.LCSD: 02/23/2024 14:41 [VQ24B23A]

Analyte	LCS Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier	LCSD Spike Amount	LCSD Result	LCSD Rec.	LCSD Qualifier	RPD	RPD Limits	RPD Qualifier
	µg/m3	µg/m3	%	%		µg/m3	µg/m3	%		%	%	
Acetone	31.2	29.7	95	70-130		31.2	29.2	94		1	20	
Benzene	42.7	40.9	96	70-130		42.7	41.4	97		1	20	
Benzyl Chloride	66.6	78.1	117	70-150		66.6	77.5	116		1	20	
Bromodichloromethane	87.9	91.4	104	70-130		87.9	92.1	105		1	20	
Bromoform	134	150	111	70-138		134	150	111		0	20	
Bromomethane	51.4	53.7	104	70-133		51.4	53.6	104		0	20	
1,3-Butadiene	29.6	30.2	102	70-134		29.6	29.9	101		1	20	
2-Butanone	39.8	39.3	99	70-130		39.8	38.8	97		2	20	
Carbon Disulfide	41.2	37.9	92	70-130		41.2	37.9	92		0	20	
Carbon Tetrachloride	80.2	81.6	102	70-131		80.2	82.3	103		1	20	
Chlorobenzene	61.5	65.1	106	70-130		61.5	65.0	106		0	20	
Chloroethane	34.9	35.4	101	70-130		34.9	35.4	101		0	20	
Chloroform	64.7	65.9	102	70-130		64.7	65.6	101		1	20	
Chloromethane	27.1	26.7	99	70-130		27.1	27.1	100		1	20	
Cyclohexane	45.6	49.0	107	70-130		45.6	49.8	109		2	20	
Dibromochloromethane	113	122	108	70-135		113	122	108		0	20	
1,2-Dichlorobenzene	75.9	87.2	115	70-130		75.9	86.4	114		1	20	
1,3-Dichlorobenzene	76.6	87.5	114	70-131		76.6	86.9	113		1	20	
1,4-Dichlorobenzene	75.9	89.6	118	70-134		75.9	88.7	117		1	20	
Dichlorodifluoromethane	65.5	69.6	106	70-132		65.5	70.5	108		2	20	
1,1-Dichloroethane	53.6	55.4	103	70-130		53.6	55.1	103		0	20	
1,2-Dichloroethane	54.1	56.6	105	70-130		54.1	56.4	104		1	20	
1,1-Dichloroethene	54.0	57.2	106	70-133		54.0	57.1	106		0	20	
cis-1,2-Dichloroethene	53.0	57.0	108	70-130		53.0	56.7	107		1	20	
trans-1,2-Dichloroethene	53.0	56.1	106	70-130		53.0	55.8	105		1	20	
1,2-Dichloropropane	61.8	63.2	102	70-130		61.8	63.6	103		1	20	
cis-1,3-Dichloropropene	60.7	67.4	111	70-131		60.7	67.6	111		0	20	
trans-1,3-Dichloropropene	59.5	67.0	113	70-134		59.5	67.2	113		0	20	
1,4-Dioxane	47.3	50.0	106	70-130		47.3	50.2	106		0	20	
Ethyl Acetate	47.3	50.2	106	70-130		47.3	49.4	105		1	20	
Ethylbenzene	57.5	64.8	113	70-130		57.5	64.6	112		1	20	

VQ24B23A: Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD)

EPA TO-15

Run Time: VQ24B23A.LCS: 02/23/2024 13:46 [VQ24B23A] VQ24B23A.LCSD: 02/23/2024 14:41 [VQ24B23A]

Analyte	LCS Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier	LCSD Spike Amount	LCSD Result	LCSD Rec.	LCSD Qualifier	RPD	RPD Limits	RPD Qualifier
	µg/m3	µg/m3	%	%		µg/m3	µg/m3	%		%	%	
Ethylene Dibromide	102	108	107	70-130		102	108	107		0	20	
n-Heptane	54.3	56.8	105	70-132		54.3	57.3	106		1	20	
Hexachlorobutadiene	123	115	94	70-134		123	115	93		1	20	
n-Hexane	48.0	49.5	103	70-130		48.0	49.5	103		0	20	
2-Hexanone	55.3	61.1	111	70-139		55.3	60.1	109		2	20	
Isopropanol	33.5	35.0	105	54-144		33.5	34.4	103		2	20	
4-Methyl-2-pentanone	54.3	63.4	117	70-130		54.3	63.2	116		1	20	
Methylene Chloride	44.7	44.7	100	70-132		44.7	44.9	101		1	20	
MTBE	48.2	54.5	113	70-130		48.2	53.6	111		2	20	
Naphthalene	61.6	77.8	126	70-148		61.6	76.8	125		1	20	
Styrene	55.4	63.9	115	70-130		55.4	64.1	116		1	20	
1,1,2,2-Tetrachloroethane	90.1	99.3	110	70-130		90.1	98.9	110		0	20	
Tetrachloroethene	89.8	96.8	108	70-130		89.8	97.0	108		0	20	
Tetrahydrofuran	38.0	43.4	114	70-138		38.0	42.1	111		3	20	
Toluene	50.4	53.1	105	70-130		50.4	53.3	106		1	20	
1,2,4-Trichlorobenzene	83.5	97.2	116	70-140		83.5	96.0	115		1	20	
1,1,1-Trichloroethane	73.6	73.7	100	70-130		73.6	74.2	101		1	20	
1,1,2-Trichloroethane	72.9	76.3	105	70-130		72.9	76.8	105		0	20	
Trichloroethene	71.8	76.2	106	70-130		71.8	77.3	108		2	20	
Trichlorofluoromethane	73.7	73.8	100	70-132		73.7	73.7	100		0	20	
1,1,2-Trichlorotrifluoroethane	102	105	103	70-130		102	105	103		0	20	
1,2,4-Trimethylbenzene	62.7	75.1	120	70-132		62.7	74.5	119		1	20	
1,3,5-Trimethylbenzene	63.9	74.9	117	70-131		63.9	74.4	116		1	20	
Vinyl Acetate	48.4	55.6	115	70-131		48.4	57.0	118		3	20	
Vinyl Chloride	33.5	34.8	104	70-131		33.5	34.6	103		1	20	
m&p-Xylene	114	130	113	70-130		114	130	113		0	20	
o-Xylene	56.4	64.6	115	70-130		56.4	64.6	115		0	20	
4-Bromofluorobenzene(S)			*102*	*80-120*				*102*				

VQ24B24A: Method Blank (MB)

EPA TO-15

Run Time: VQ24B24A.MB 02/24/2024 15:19 [VQ24B24A]

Analyte	MB Result	MB Qualifier	MB RDL
	µg/m3		µg/m3
Acetone	U		57
Benzene	U		19
Benzyl Chloride	U		6.2
Bromodichloromethane	U		8.0
Bromoform	U		62
Bromomethane	U		23
1,3-Butadiene	U		2.7
2-Butanone	U		35
Carbon Disulfide	U		37
Carbon Tetrachloride	U		7.5
Chlorobenzene	U		28
Chloroethane	U		16
Chloroform	U		5.9
Chloromethane	U		12
Cyclohexane	U		41
Dibromochloromethane	U		4.1
1,2-Dichlorobenzene	U		36
1,3-Dichlorobenzene	U		36
1,4-Dichlorobenzene	U		36
Dichlorodifluoromethane	U		30
1,1-Dichloroethane	U		24
1,2-Dichloroethane	U		4.9
1,1-Dichloroethene	U		24
cis-1,2-Dichloroethene	U		24
trans-1,2-Dichloroethene	U		24
1,2-Dichloropropane	U		28
cis-1,3-Dichloropropene	U		27
trans-1,3-Dichloropropene	U		27
1,4-Dioxane	U		22
Ethyl Acetate	U		43
Ethylbenzene	U		52

VQ24B24A: Method Blank (MB)

EPA TO-15

Run Time: VQ24B24A.MB 02/24/2024 15:19 [VQ24B24A]

Analyte	MB Result	MB Qualifier	MB RDL
	µg/m3		µg/m3
Ethylene Dibromide	U		0.92
n-Heptane	U		49
Hexachlorobutadiene	U		5.1
n-Hexane	U		42
2-Hexanone	U		49
Isopropanol	U		29
4-Methyl-2-pentanone	U		49
Methylene Chloride	U		42
MTBE	U		22
Naphthalene	U		19
Styrene	U		51
1,1,2,2-Tetrachloroethane	U		3.3
Tetrachloroethene	U		41
Tetrahydrofuran	U		3.5
Toluene	U		23
1,2,4-Trichlorobenzene	U		22
1,1,1-Trichloroethane	U		33
1,1,2-Trichloroethane	U		6.5
Trichloroethene	U		1.6
Trichlorofluoromethane	U		34
1,1,2-Trichlorotrifluoroethane	U		46
1,2,4-Trimethylbenzene	U		29
1,3,5-Trimethylbenzene	U		29
Vinyl Acetate	U		42
Vinyl Chloride	U		15
m&p-Xylene	U		52
o-Xylene	U		52
4-Bromofluorobenzene(S)	*96*		*80-120*

VQ24B24A: Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) — EPA TO-15

Run Time: VQ24B24A.LCS: 02/24/2024 12:28 [VQ24B24A] VQ24B24A.LCSD: 02/24/2024 13:24 [VQ24B24A]

Analyte	LCS Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier	LCSD Spike Amount	LCSD Result	LCSD Rec.	LCSD Qualifier	RPD	RPD Limits	RPD Qualifier
	µg/m3	µg/m3	%	%		µg/m3	µg/m3	%		%	%	
Acetone	31.2	29.1	93	70-130		31.2	28.7	92		1	20	
Benzene	42.7	40.7	95	70-130		42.7	40.2	94		1	20	
Benzyl Chloride	66.6	74.8	112	70-150		66.6	76.2	114		2	20	
Bromodichloromethane	87.9	91.5	104	70-130		87.9	91.2	104		0	20	
Bromoform	134	147	110	70-138		134	149	111		1	20	
Bromomethane	51.4	52.3	102	70-133		51.4	52.4	102		0	20	
1,3-Butadiene	29.6	28.9	98	70-134		29.6	29.0	98		0	20	
2-Butanone	39.8	38.6	97	70-130		39.8	38.4	97		0	20	
Carbon Disulfide	41.2	37.4	91	70-130		41.2	37.2	90		1	20	
Carbon Tetrachloride	80.2	82.7	103	70-131		80.2	82.0	102		1	20	
Chlorobenzene	61.5	64.4	105	70-130		61.5	64.8	105		0	20	
Chloroethane	34.9	34.6	99	70-130		34.9	34.8	100		1	20	
Chloroform	64.7	65.3	101	70-130		64.7	64.7	100		1	20	
Chloromethane	27.1	25.9	96	70-130		27.1	26.0	96		0	20	
Cyclohexane	45.6	48.9	107	70-130		45.6	48.1	106		1	20	
Dibromochloromethane	113	120	106	70-135		113	122	108		2	20	
1,2-Dichlorobenzene	75.9	84.3	111	70-130		75.9	86.0	113		2	20	
1,3-Dichlorobenzene	76.6	83.9	110	70-131		76.6	86.0	112		2	20	
1,4-Dichlorobenzene	75.9	85.8	113	70-134		75.9	87.8	116		3	20	
Dichlorodifluoromethane	65.5	68.7	105	70-132		65.5	68.7	105		0	20	
1,1-Dichloroethane	53.6	55.0	103	70-130		53.6	54.3	101		2	20	
1,2-Dichloroethane	54.1	56.8	105	70-130		54.1	56.0	103		2	20	
1,1-Dichloroethene	54.0	56.7	105	70-133		54.0	56.3	104		1	20	
cis-1,2-Dichloroethene	53.0	56.2	106	70-130		53.0	55.8	105		1	20	
trans-1,2-Dichloroethene	53.0	55.0	104	70-130		53.0	54.6	103		1	20	
1,2-Dichloropropane	61.8	62.5	101	70-130		61.8	62.2	101		0	20	
cis-1,3-Dichloropropene	60.7	66.3	109	70-131		60.7	65.7	108		1	20	
trans-1,3-Dichloropropene	59.5	66.0	111	70-134		59.5	66.4	112		1	20	
1,4-Dioxane	47.3	49.0	104	70-130		47.3	49.0	104		0	20	
Ethyl Acetate	47.3	50.1	106	70-130		47.3	49.8	105		1	20	
Ethylbenzene	57.5	63.3	110	70-130		57.5	64.4	112		2	20	

VQ24B24A: Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD)

EPA TO-15

Run Time: VQ24B24A.LCS: 02/24/2024 12:28 [VQ24B24A] VQ24B24A.LCSD: 02/24/2024 13:24 [VQ24B24A]

Analyte	LCS Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier	LCSD Spike Amount	LCSD Result	LCSD Rec.	LCSD Qualifier	RPD	RPD Limits	RPD Qualifier
	µg/m3	µg/m3	%	%		µg/m3	µg/m3	%		%	%	
Ethylene Dibromide	102	106	104	70-130		102	108	106		2	20	
n-Heptane	54.3	56.5	104	70-132		54.3	55.6	102		2	20	
Hexachlorobutadiene	123	111	90	70-134		123	113	92		2	20	
n-Hexane	48.0	48.6	101	70-130		48.0	47.8	100		1	20	
2-Hexanone	55.3	59.8	108	70-139		55.3	60.4	109		1	20	
Isopropanol	33.5	34.0	102	54-144		33.5	34.2	102		0	20	
4-Methyl-2-pentanone	54.3	62.6	115	70-130		54.3	61.9	114		1	20	
Methylene Chloride	44.7	44.2	99	70-132		44.7	43.6	98		1	20	
MTBE	48.2	53.8	112	70-130		48.2	53.2	110		2	20	
Naphthalene	61.6	73.3	119	70-148		61.6	74.9	122		2	20	
Styrene	55.4	62.0	112	70-130		55.4	63.5	115		3	20	
1,1,2,2-Tetrachloroethane	90.1	96.7	107	70-130		90.1	98.6	110		3	20	
Tetrachloroethene	89.8	95.4	106	70-130		89.8	96.5	107		1	20	
Tetrahydrofuran	38.0	42.0	111	70-138		38.0	41.5	109		2	20	
Toluene	50.4	52.6	104	70-130		50.4	53.0	105		1	20	
1,2,4-Trichlorobenzene	83.5	90.3	108	70-140		83.5	93.2	112		4	20	
1,1,1-Trichloroethane	73.6	74.3	101	70-130		73.6	74.1	101		0	20	
1,1,2-Trichloroethane	72.9	75.4	103	70-130		72.9	76.4	105		2	20	
Trichloroethene	71.8	76.6	107	70-130		71.8	76.1	106		1	20	
Trichlorofluoromethane	73.7	73.6	100	70-132		73.7	73.5	100		0	20	
1,1,2-Trichlorotrifluoroethane	102	104	102	70-130		102	103	101		1	20	
1,2,4-Trimethylbenzene	62.7	73.1	117	70-132		62.7	74.4	119		2	20	
1,3,5-Trimethylbenzene	63.9	72.8	114	70-131		63.9	74.4	116		2	20	
Vinyl Acetate	48.4	55.4	114	70-131		48.4	55.6	115		1	20	
Vinyl Chloride	33.5	33.6	100	70-131		33.5	33.6	100		0	20	
m&p-Xylene	114	128	112	70-130		114	130	113		1	20	
o-Xylene	56.4	63.6	113	70-130		56.4	64.4	114		1	20	
4-Bromofluorobenzene(S)			*101*	*80-120*				*102*				

Definitions/ Qualifiers:

U: The analyte was not detected at or above the Reporting Limit (RL).
***:** Value reported is outside QC limits

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:

By Sue Ricketts at 12:39 PM, Feb 29, 2024

Fibertec environmental services
A METRI GROUP COMPANY

Soil Vapor Sampling and Analysis Verification

Fibertec Project Number: A18338

The analysis of the samples included in this report were analyzed in accordance with the approach and modifications identified in the attached EGLE approval letter(s).

Reviewed and Approved by:

Signature: _____

Printed Name: Kenneth Mueller

Date: 11/20/2023

Title: Quality Assurance Officer

1914 Holloway Drive, Holt, Michigan 48842, Telephone: (517) 699-0345, Facsimile: (517) 699-0388
11766 Grand River, Brighton, Michigan 48116, Telephone: (810) 220-3300, Facsimile: (810) 220-3311
8660 S. Mackinaw Trail, Cadillac, Michigan 49601, Telephone: (231) 775-8368, Facsimile: (231) 775-8584

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
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8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Geoprobe
11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # 218597
PAGE 1 of 2

Client Name: Atwell Mauby, PC.
Contact Person: James Jackson
Project Name/ Number: West State Street 20-393A
Email distribution list: jjackson@atwellmauby.com
Quote#
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PARAMETERS: VOCs TO IS	PARAMETERS: Mercury	HOLD SAMPLE
2/19/24	—	1	SG-8S	A	2	X	X	
	—	2	SG-5D					
	—	3	SG-6S					
	—	4	SG-6D					
	—	5	SG-7S					
	—	6	SG-7D					
	—	7	SG-8S					
	—	8	SG-8D					
	—	9	SG-9S					
↓	—	10	SG-9D	↓	↓	↓	↓	

Matrix Code: S Soil; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Deliverables: Level 2; Level 3; Level 4; EDD

Remarks:

Received By Lab
FEB 23 2024
Initials: BP

Comments:

Sampled/Relinquished By: Jacob Pellinsky, Jared Perkins	Date/ Time 2/22/24 12:42	Received By: Lee Nea
Relinquished By: Lee Nea	Date/ Time 2/22/24 17:15	Received By: Brandy Powers 2/23/24 8:00
Relinquished By:	Date/ Time	Received By Laboratory:

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days _____4 bus. days

√ 5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: A19794

Temperature upon receipt at Lab: Rm. Temp

Please see back for terms and conditions

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
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Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Geoprobe
11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # 218596
PAGE 2 of 2

Client Name: Otwell Mawby, P.C.
Contact Person: James Jackson
Project Name/ Number: West State Street / 20-393A
Email distribution list: jjackson@otwellmawby.com
Quote#
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	VOCs To 15	Mercury	HOLD SAMPLE
2/19/24	—	11	SG-10s	A	2	X	X	
	—	12	SG-10D		2	X	X	
	—	13	SG-11/VP-11		2	X	X	
	—	14	Duplicate		1	X		
	—	15	Spike		1		X	
↓	—	16	Field Blank	↓	2	X	X	

PARAMETERS

Matrix Code: S Soil; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Deliverables: Level 2; Level 3; Level 4; EDD

Remarks:

Received By Lab
FEB 23 2024
Initials: BP

Comments:

	Date/ Time	
Sampled/Relinquished By: Jacob Pelling		Received By:
Relinquished By:	2/22/24 12:42	Received By: Brandy Powers 2/23/24 8:00
Relinquished By:	2/22/24 17:15	Received By Laboratory:
	Date/ Time	

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days _____4 bus. days

✓ 5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: A19794

Temperature upon receipt at Lab: Rm. Temp.

Please see back for terms and conditions

Fibertec environmental services

Vapor Tube Sampling Field Worksheet

Client Name: West State Street
Project Name/Number: 20-393A
Sample Date: 2/19/24
Sampled By: Jacob Patinsky

Sample Identifiers					Field Calibration					
Time Collected	Sample Descriptor	Tube Lot Number	Vapor Kit Number	Analysis Requested	Field Pre Cal Rate (L/min)	** Pre Back Pressure (hPa)	** Post Back Pressure (hPa)	Field Post Cal Rate (L/min)	***Field Cal Average (L/min)	Total Time (minutes)
N/A	Field Blank		N/A		N/A	N/A	N/A	N/A	N/A	N/A
N/A	Field Spike	F.S. ID Number	N/A		N/A	N/A	N/A	N/A	N/A	N/A
	SG-5S	5503		Mercury	0.2	N/A	N/A	0.2	0.2	15
	SG-5D	5713								
	SG-6S	5515								
	SG-6D	5504								
	SG-7S	5718								
	SG-7D	5720								
	SG-8S	5508								
	SG-8D	5388								
	SG-9S	5511								
	SG-9D	5387	↓	↓	↓	↓	↓	↓	↓	↓

*Comments:

I verify that the field sampling was conducted in accordance with the specification(s) in the approval letter(s) included in the sampling kit.

* Any deviation or issue with sample collection will be noted above.

Signature: Jacob Patinsky
Printed Name: Jacob Patinsky
Date: 2/19/24

Sampling Notes

**Maximum Vacuum during sampling should be < 75hPa H_2O compared to ambient
*** Collection rate should be a maximum 0.2 L/minute

Sampling Media

Mercury: 200 mg Anasorb	PAH: 150mg XAD-2	PCB: 150 mg Florisil

Lab Use Only:
Fibertec Project Number:

Fibertec environmental services

Vapor Tube Sampling Field Worksheet

Client Name: West State Street
Project Name/Number: 21-393A
Sample Date: 2/19/24
Sampled By: Jacob Palinsky

Sample Identifiers					Field Calibration					
Time Collected	Sample Descriptor	Tube Lot Number	Vapor Kit Number	Analysis Requested	Field Pre Cal Rate (L/min)	** Pre Back Pressure (hPa)	** Post Back Pressure (hPa)	Field Post Cal Rate (L/min)	***Field Cal Average (L/min)	Total Time (minutes)
N/A	Field Blank	5517	N/A		N/A	N/A	N/A	N/A	N/A	N/A
N/A	Field Spike	F.S. ID Number 5520	N/A		N/A	N/A	N/A	N/A	N/A	N/A
	SG-10S	5384	N/A	Mercury	0.2	N/A	N/A	0.2	0.2	15
	SG-10D	5355	↓	↓	↓	↓	↓	↓	↓	↓
	SG-11/VP-11	5513	↓	↓	↓	↓	↓	↓	↓	↓

*Comments:

I verify that the field sampling was conducted in accordance with the specification(s) in the approval letter(s) included in the sampling kit.

* Any deviation or issue with sample collection will be noted above.

Signature: Jacob Palinsky
Printed Name: Jacob Palinsky
Date: 2/19/24

Sampling Notes

**Maximum Vacuum during sampling should be < 75hPa H_2O compared to ambient
*** Collection rate should be a maximum 0.2 L/minute

Sampling Media

Mercury: 200 mg Anasorb	PAH: 150mg XAD-2	PCB: 150 mg Florisil

Lab Use Only:
Fibertec Project Number:

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-5S **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	10:17
Ambient Temperature	25 °F	**Barometric Pressure**	30.19 inHg
Current Weather Conditions: Partly Cloudy			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	**5503**	**Pump Identification Number**	OMPC-1
Leak Test Completed	N/A	**Sample Start Time**	10:17
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 L/min
Suspected Contaminants	N/A	**Sample End Time**	1032
Moisture Identified	N/A	**End Flow Rate**	0.2 L/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 5517
Hg Field Spike: 5520

Initial Pa: 41.3
End Pa: 39.6

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-5D **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	10:20
Ambient Temperature	25°F	**Barometric Pressure**	30.19 inHg
Current Weather Conditions: Partly Cloudy			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	**5713**	**Pump Identification Number**	OMPC-2
Leak Test Completed	N/A	**Sample Start Time**	10:20
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 L/min
Suspected Contaminants	N/A	**Sample End Time**	10:35
Moisture Identified	N/A	**End Flow Rate**	0.2 L/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 5517
HG Spike: 5520

Initial Pa: 25.5
End Pa: 24.8

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-6S **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	9:15
Ambient Temperature	21°F	**Barometric Pressure**	30.18 InHg
Current Weather Conditions: Partly Cloudy			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	**5515**	**Pump Identification Number**	OMPC-1
Leak Test Completed	N/A	**Sample Start Time**	9:15
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 L/min
Suspected Contaminants	N/A	**Sample End Time**	9:30
Moisture Identified	N/A	**End Flow Rate**	0.2 L/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 5517
HG Spike: 5520

Initial Pa: 32.7
End Pa: 26.1

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-6D **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	9:22
Ambient Temperature	21°F	**Barometric Pressure**	30.18 inHg
Current Weather Conditions: Partly Cloudy			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	**5504**	**Pump Identification Number**	OMPC-2
Leak Test Completed	N/A	**Sample Start Time**	9:22
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 L/min
Suspected Contaminants	N/A	**Sample End Time**	9:37
Moisture Identified	N/A	**End Flow Rate**	0.2 L/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 5517
HG Spike: 5520

Initial Pa: 28.6
End Pa: 12.7

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-7S **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	William McSorley	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	10:52
Ambient Temperature	27°F	**Barometric Pressure**	30.19 inHg
Current Weather Conditions: Partly Cloudy			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	**5718**	**Pump Identification Number**	OMPC-1
Leak Test Completed	N/A	**Sample Start Time**	10:52
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 L/min
Suspected Contaminants	N/A	**Sample End Time**	11:07
Moisture Identified	N/A	**End Flow Rate**	0.2 L/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 5517
HG Spike: 5520

Initial Pa: 45.3
End Pa: 40.3

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-7D **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	William McSorley	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	10:55
Ambient Temperature	27°F	**Barometric Pressure**	30.19 inHg
Current Weather Conditions: Partly Cloudy			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	**5720**	**Pump Identification Number**	OMPC-2
Leak Test Completed	N/A	**Sample Start Time**	10:55
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 L/min
Suspected Contaminants	N/A	**Sample End Time**	11:10
Moisture Identified	N/A	**End Flow Rate**	0.2 L/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 5517
HG Spike: 5520

Initial Pa: 40.2
End Pa: 36.7

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-8S **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	Traverse City
Technician	William McSorley	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	11:45
Ambient Temperature	38°F	**Barometric Pressure**	30.19 inHg
Current Weather Conditions: Sunny, some clouds			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	**5508**	**Pump Identification Number**	OMPC-1
Leak Test Completed	N/A	**Sample Start Time**	11:45
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 L/min
Suspected Contaminants	N/A	**Sample End Time**	12:00
Moisture Identified	N/A	**End Flow Rate**	0.2 L/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 5517
HG Spike: 5520

Initial Pa: 48.2
End Pa: 38.3

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-8D **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	William McSorley	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	12:05
Ambient Temperature	33°F	**Barometric Pressure**	30.19 inHg
Current Weather Conditions: Sunny			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	**5388**	**Pump Identification Number**	OMPC-2
Leak Test Completed	N/A	**Sample Start Time**	11:50
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 L/min
Suspected Contaminants	N/A	**Sample End Time**	12:05
Moisture Identified	N/A	**End Flow Rate**	0.2 L/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 5517
HG Spike: 5520

Initial Pa: 30.3
End Pa: 24.6

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-9S **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	William McSorley	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	12:38
Ambient Temperature	34°F	**Barometric Pressure**	30.19 inHg
Current Weather Conditions: Sunny			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16”	**0.005**	**Screen Type**	N/A
1/4”	**0.01**	**Length of Extra Tubing Used**	N/A
1/2”	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	**5511**	**Pump Identification Number**	OMPC-1
Leak Test Completed	N/A	**Sample Start Time**	12:23
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 L/min
Suspected Contaminants	N/A	**Sample End Time**	12:38
Moisture Identified	N/A	**End Flow Rate**	0.2 L/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 5517
HG Spike: 5520

Initial Pa: 53.0
End Pa: 65.4

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-9D **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	William McSorley	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	12:26
Ambient Temperature	34°F	**Barometric Pressure**	30.19 inHg
Current Weather Conditions: Sunny			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	**5387**	**Pump Identification Number**	OMPC-2
Leak Test Completed	N/A	**Sample Start Time**	12:26
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 L/min
Suspected Contaminants	N/A	**Sample End Time**	12:41
Moisture Identified	N/A	**End Flow Rate**	0.2 L/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 5517
HG Spike: 5520

Initial Pa: 40.4
End Pa: 50.8

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-10S **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	William McSorley	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	13:09
Ambient Temperature	38°F	**Barometric Pressure**	30.19 inHg
Current Weather Conditions: Sunny			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	**5384**	**Pump Identification Number**	OMPC-1
Leak Test Completed	N/A	**Sample Start Time**	12:54
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 L/min
Suspected Contaminants	N/A	**Sample End Time**	13:09
Moisture Identified	N/A	**End Flow Rate**	0.2 L/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 5517
HG Spike: 5520

Initial Pa: 44.6
End Pa: 52.5

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-10D **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	William McSorley	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	13:13
Ambient Temperature	38°F	**Barometric Pressure**	30.19 InHg
Current Weather Conditions: Sunny			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	**5355**	**Pump Identification Number**	OMPC-2
Leak Test Completed	N/A	**Sample Start Time**	12:58
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 L/min
Suspected Contaminants	N/A	**Sample End Time**	13:13
Moisture Identified	N/A	**End Flow Rate**	0.2 L/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 5517
HG Spike:5520

Initial Pa: 45.1
End Pa: 55.8

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-11/VP-11 **Sample Type:** Hg

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	William McSorley	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	13:45
Ambient Temperature	60°F	**Barometric Pressure**	30.19 inHg
Current Weather Conditions: Sunny (indoor sample)			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Vapor Tube Identification Number	**5513**	**Pump Identification Number**	OMPC-1
Leak Test Completed	N/A	**Sample Start Time**	13:30
Type of Tracer Gas Used	N/A	**Initial Flow Rate**	0.2 L/min
Suspected Contaminants	N/A	**Sample End Time**	13;45
Moisture Identified	N/A	**End Flow Rate**	0.2 L/min

Other Field Notes: Deep wells have tape on sample line. Shallow do not have tape to indicate.
Hg Field Blank: 5517
HG Spike: 5520

Initial Pa: 6.2
End Pa: 4.5

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: Field Blank **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	12:37
Ambient Temperature	23 °F	**Barometric Pressure**	30.19 inHg
Current Weather Conditions: Partly Cloudy			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	**4766**	**Regulator Identification Number**	**3259**
Leak Test Completed	N/A	**Sample Start Time**	12:37
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-29
Suspected Contaminants	N/A	**Sample End Time**	12:44
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-5S **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	9:53
Ambient Temperature	25 °F	**Barometric Pressure**	30.19 inHg
Current Weather Conditions: Partly Cloudy			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16”	**0.005**	**Screen Type**	N/A
1/4”	**0.01**	**Length of Extra Tubing Used**	N/A
1/2”	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	**4778/2716**	**Regulator Identification Number**	**2772/4979**
Leak Test Completed	N/A	**Sample Start Time**	9:53
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-30/-29
Suspected Contaminants	N/A	**Sample End Time**	10:00
Moisture Identified	N/A	**End Bottle Pressure**	-2/-4
Other Field Notes: Duplicate location.			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-5D **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	9:56
Ambient Temperature	25 °F	**Barometric Pressure**	30.19 inHg
Current Weather Conditions: Partly Cloudy			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	**3201**	**Regulator Identification Number**	**1198**
Leak Test Completed	N/A	**Sample Start Time**	9:56
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-29.5
Suspected Contaminants	N/A	**Sample End Time**	10:05
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-6S **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	8:45
Ambient Temperature	21 °F	**Barometric Pressure**	30.18 inHg
Current Weather Conditions: Partly Cloudy			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	**0922**	**Regulator Identification Number**	**2191**
Leak Test Completed	N/A	**Sample Start Time**	8:45
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-29
Suspected Contaminants	N/A	**Sample End Time**	8:52
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-6D **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	8:47
Ambient Temperature	21 °F	**Barometric Pressure**	30.18 inHg
Current Weather Conditions: Partly Cloudy			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16”	**0.005**	**Screen Type**	N/A
1/4”	**0.01**	**Length of Extra Tubing Used**	N/A
1/2”	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	**4837**	**Regulator Identification Number**	**3428**
Leak Test Completed	N/A	**Sample Start Time**	8:47
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-29
Suspected Contaminants	N/A	**Sample End Time**	8:54
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-7S **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	11:41
Ambient Temperature	22 °F	**Barometric Pressure**	30.19 inHg
Current Weather Conditions: Partly Cloudy			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16”	**0.005**	**Screen Type**	N/A
1/4”	**0.01**	**Length of Extra Tubing Used**	N/A
1/2”	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	**3630**	**Regulator Identification Number**	**4627**
Leak Test Completed	N/A	**Sample Start Time**	11:41
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-29
Suspected Contaminants	N/A	**Sample End Time**	11:48
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-7D **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	11:40
Ambient Temperature	22 °F	**Barometric Pressure**	30.19 inHg
Current Weather Conditions: Partly Cloudy			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	**41118**	**Regulator Identification Number**	**4711**
Leak Test Completed	N/A	**Sample Start Time**	11:40
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-29
Suspected Contaminants	N/A	**Sample End Time**	11:47
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-8S **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	11:00
Ambient Temperature	22 °F	**Barometric Pressure**	30.19 inHg
Current Weather Conditions: Partly Cloudy			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	**2345**	**Regulator Identification Number**	**0436**
Leak Test Completed	N/A	**Sample Start Time**	11:00
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-28.5
Suspected Contaminants	N/A	**Sample End Time**	11:06
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-8D **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	11:01
Ambient Temperature	22 °F	**Barometric Pressure**	30.19 inHg
Current Weather Conditions: Partly Cloudy			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	**0448**	**Regulator Identification Number**	**4938**
Leak Test Completed	N/A	**Sample Start Time**	11:01
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-29
Suspected Contaminants	N/A	**Sample End Time**	11:07
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-9S **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	12:52
Ambient Temperature	22 °F	**Barometric Pressure**	30.19 inHg
Current Weather Conditions: Partly Cloudy			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	**4436**	**Regulator Identification Number**	**3422**
Leak Test Completed	N/A	**Sample Start Time**	12:52
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-28
Suspected Contaminants	N/A	**Sample End Time**	12:58
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-9D **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	12:51
Ambient Temperature	22 °F	**Barometric Pressure**	30.19 inHg
Current Weather Conditions: Partly Cloudy			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16”	**0.005**	**Screen Type**	N/A
1/4”	**0.01**	**Length of Extra Tubing Used**	N/A
1/2”	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	**3167**	**Regulator Identification Number**	**5015**
Leak Test Completed	N/A	**Sample Start Time**	12:51
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-30
Suspected Contaminants	N/A	**Sample End Time**	12:58
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-10S **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	12:22
Ambient Temperature	22 °F	**Barometric Pressure**	30.19 inHg
Current Weather Conditions: Partly Cloudy			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	**3590**	**Regulator Identification Number**	**3900**
Leak Test Completed	N/A	**Sample Start Time**	12:22
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-29
Suspected Contaminants	N/A	**Sample End Time**	12:28
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-10D **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	12:21
Ambient Temperature	22 °F	**Barometric Pressure**	30.19 inHg
Current Weather Conditions: Partly Cloudy			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16"	**0.005**	**Screen Type**	N/A
1/4"	**0.01**	**Length of Extra Tubing Used**	N/A
1/2"	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	**4817**	**Regulator Identification Number**	**4649**
Leak Test Completed	N/A	**Sample Start Time**	12:21
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-29
Suspected Contaminants	N/A	**Sample End Time**	12:27
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

OTWELL MAWBY, P.C.

Soil Gas and Indoor Air Sampling Form

Sample Identification: SG-5D **Sample Type:** VOCs

General Site Information:

Project Name	West State Street Redevelopment	**Project Number**	20-393A
Location	Traverse City, MI	**Client**	City of Traverse City
Technician	Jake Palinsky	**Project Manager**	James Jackson
Date	2/19/2024	**Time**	13:20
Ambient Temperature	60 °F	**Barometric Pressure**	30.18 inHg
Current Weather Conditions: Partly Cloudy (indoor sample)			

Sample Volume Calculation:

Volumes for Tubing Sizes Per Foot of Tubing		**Length of Tubing**	N/A
Inches (ID)	**Liters**	**Depth of Screen**	N/A
3/16”	**0.005**	**Screen Type**	N/A
1/4”	**0.01**	**Length of Extra Tubing Used**	N/A
1/2”	**0.039**	**Purge Method**	N/A
Volume Calculation:	N/A	**Purge Volume**	N/A

Sampling Information:

Bottle Identification Number	**0558**	**Regulator Identification Number**	**4688**
Leak Test Completed	N/A	**Sample Start Time**	13:20
Type of Tracer Gas Used	N/A	**Initial Bottle Pressure**	-29
Suspected Contaminants	N/A	**Sample End Time**	13:27
Moisture Identified	N/A	**End Bottle Pressure**	-2
Other Field Notes:			

26-Oct-2023

James Jackson
Otwell Mawby, P. C.
309 E Front St.
Suite #200
Traverse City, MI 49684

Re: **West State Street 20-393A** Work Order: **23101335**

Dear James,

ALS Environmental received 10 samples on 14-Oct-2023 09:30 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 33.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

Electronically approved by: Tim Gates

Gary Byar
Project Manager

ALS Group, USA

Date: 26-Oct-23

Client: Otwell Mawby, P. C.
Project: West State Street 20-393A
Work Order: **23101335**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
23101335-01	HA-10 Slab	Concrete		10/11/2023 11:50	10/14/2023 09:30	☐
23101335-02	HA-11 Slab	Concrete		10/11/2023 12:00	10/14/2023 09:30	☐
23101335-03	HA-12 Slab	Concrete		10/11/2023 12:10	10/14/2023 09:30	☐
23101335-04	HA-13 Slab	Concrete		10/11/2023 12:20	10/14/2023 09:30	☐
23101335-05	HA-14 Slab	Concrete		10/11/2023 12:30	10/14/2023 09:30	☐
23101335-06	HA-15 Slab	Concrete		10/11/2023 12:40	10/14/2023 09:30	☐
23101335-07	HA-13@0.5'	Soil		10/11/2023 10:00	10/14/2023 09:30	☐
23101335-08	HA-13@3'	Soil		10/11/2023 10:10	10/14/2023 09:30	☐
23101335-09	HA-13@5'	Soil		10/11/2023 10:20	10/14/2023 09:30	☐
23101335-10	HA-14@1'	Soil		10/11/2023 11:30	10/14/2023 09:30	☐

Client: Otwell Mawby, P. C.
Project: West State Street 20-393A
Work Order: 23101335

Case Narrative

Batch 227394, Method SW8260D, Sample HA-12 Slab (23101335-03C): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: dichlorodifluoromethane

Batch 227394, Method SW8260D, Sample HA-13 Slab (23101335-04C): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: dichlorodifluoromethane

Batch 227394, Method SW8260D, Sample HA-13@0.5' (23101335-07C): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: dichlorodifluoromethane

Batch 227394, Method SW8260D, Sample HA-13@3' (23101335-08C): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: dichlorodifluoromethane

Batch 227394, Method SW8260D, Sample HA-13@5' (23101335-09C): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: dichlorodifluoromethane

Batch 227394, Method SW8260D, Sample HA-14@1' (23101335-10C): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: dichlorodifluoromethane

Batch 227394, Method SW8260D, Sample HA-15 Slab (23101335-06C): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: dichlorodifluoromethane

Batch 227394, Method SW8260D, Sample HA-14 Slab (23101335-05C): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: dichlorodifluoromethane

Batch 227394, Method SW8260D, Sample HA-11 Slab (23101335-02C): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: dichlorodifluoromethane

Batch 227394, Method SW8260D, Sample HA-11 Slab (23101335-02C): The Continuing

Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: Chloromethane, Bromomethane, Iodomethane, Chloroethane, Vinyl Chloride

Batch 227394, Method SW8260D, Sample HA-14 Slab (23101335-05C): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: Chloromethane, Bromomethane, Iodomethane, Chloroethane, Vinyl Chloride

Batch 227394, Method SW8260D, Sample HA-15 Slab (23101335-06C): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: Chloromethane, Bromomethane, Iodomethane, Chloroethane, Vinyl Chloride

Batch 227394, Method SW8260D, Sample LCS-227394: The LCS recovery was above the upper control limit. All the sample results in the batch were non-detect. No qualification is necessary for this analyte: chloromethane

ALS Group, USA

Date: *26-Oct-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-10 Slab
Work Order:	23101335	**Collection Date:**	10/11/2023 11:50:00 AM
Project:	West State Street 20-393A		
Lab ID:	23101335-01	**Matrix:**	CONCRETE

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **10/16/2023**		Analyst: **NTJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	10/24/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	10/24/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	10/24/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	10/24/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	10/24/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	10/24/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	10/24/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	10/24/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	10/24/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	10/24/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	10/24/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	10/24/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	10/24/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	10/24/2023
Benzene	ND	50	50		µg/Kg-dry	1	10/24/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	10/24/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	10/24/2023
Bromoform	ND	100	100		µg/Kg-dry	1	10/24/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	10/24/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	10/24/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	10/24/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	10/24/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	10/24/2023
Chloroform	ND	50	50		µg/Kg-dry	1	10/24/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	10/24/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	10/24/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	10/24/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-10 Slab
Work Order: 23101335 **Collection Date:** 10/11/2023 11:50:00 AM
Project: West State Street 20-393A
Lab ID: 23101335-01 **Matrix:** CONCRETE

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	10/24/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	10/24/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	10/24/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	10/24/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	10/24/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	10/24/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	10/24/2023
Methyl iodide	ND	580	100		µg/Kg-dry	1	10/24/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	10/24/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	10/24/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	10/24/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	10/24/2023
Styrene	ND	50	50		µg/Kg-dry	1	10/24/2023
Tetrachloroethene	**680**	**50**	**50**		**µg/Kg-dry**	1	10/24/2023
Toluene	ND	100	100		µg/Kg-dry	1	10/24/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	10/24/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	10/24/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	10/24/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	10/24/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	10/24/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	10/24/2023
Surr: 1,2-Dichloroethane-d4	*114*	*80-120*			*%REC*	1	10/24/2023
Surr: 4-Bromofluorobenzene	*96.2*	*80-120*			*%REC*	1	10/24/2023
Surr: Dibromofluoromethane	*101*	*80-120*			*%REC*	1	10/24/2023
Surr: Toluene-d8	*98.2*	*80-120*			*%REC*	1	10/24/2023
MOISTURE			**SW3550C**				Analyst: **LAD**
Moisture	**2.5**	**0.10**	**0**		**% of sample**	1	10/16/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-11 Slab
Work Order: 23101335 **Collection Date:** 10/11/2023 12:00:00 PM
Project: West State Street 20-393A
Lab ID: 23101335-02 **Matrix:** CONCRETE

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **10/16/2023**		Analyst: **SBR**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	10/26/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	10/26/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	10/26/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	10/26/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	10/26/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	10/26/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/26/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	10/26/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	10/26/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	10/26/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	10/26/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	10/26/2023
1,2-Dibromoethane	ND	33	20		µg/Kg-dry	1	10/26/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/26/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	10/26/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	10/26/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	10/26/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/26/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/26/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	10/26/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	10/26/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	10/26/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	10/26/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	10/26/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	10/26/2023
Benzene	ND	50	50		µg/Kg-dry	1	10/26/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	10/26/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	10/26/2023
Bromoform	ND	100	100		µg/Kg-dry	1	10/26/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	10/26/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	10/26/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	10/26/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	10/26/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	10/26/2023
Chloroform	ND	50	50		µg/Kg-dry	1	10/26/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	10/26/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/26/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	10/26/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	10/26/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-11 Slab
Work Order: 23101335 **Collection Date:** 10/11/2023 12:00:00 PM
Project: West State Street 20-393A
Lab ID: 23101335-02 **Matrix:** CONCRETE

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	10/26/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	10/26/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	10/26/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	10/26/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	10/26/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	10/26/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	10/26/2023
Methyl iodide	ND	550	100		µg/Kg-dry	1	10/26/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	10/26/2023
Methylene chloride	ND	280	100		µg/Kg-dry	1	10/26/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	10/26/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	10/26/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	10/26/2023
Styrene	ND	50	50		µg/Kg-dry	1	10/26/2023
Tetrachloroethene	**300**	**50**	**50**		**µg/Kg-dry**	1	10/26/2023
Toluene	ND	100	100		µg/Kg-dry	1	10/26/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/26/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	10/26/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	10/26/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	10/26/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	10/26/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	10/26/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	10/26/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	10/26/2023
Surr: 1,2-Dichloroethane-d4	*113*	*80-120*			*%REC*	1	10/26/2023
Surr: 4-Bromofluorobenzene	*105*	*80-120*			*%REC*	1	10/26/2023
Surr: Dibromofluoromethane	*105*	*80-120*			*%REC*	1	10/26/2023
Surr: Toluene-d8	*101*	*80-120*			*%REC*	1	10/26/2023
MOISTURE			**SW3550C**				Analyst: **LAD**
Moisture	**2.4**	**0.10**	**0**		**% of sample**	1	10/16/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-12 Slab
Work Order:	23101335	**Collection Date:**	10/11/2023 12:10:00 PM
Project:	West State Street 20-393A		
Lab ID:	23101335-03	**Matrix:**	CONCRETE

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **10/16/2023**		Analyst: **DMS**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	10/24/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	10/24/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	10/24/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	10/24/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	10/24/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
1,2-Dibromo-3-chloropropane	ND	130	10		µg/Kg-dry	1	10/24/2023
1,2-Dibromoethane	ND	39	20		µg/Kg-dry	1	10/24/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,3,5-Trimethylbenzene	ND	130	100		µg/Kg-dry	1	10/24/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	10/24/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	10/24/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	10/24/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	10/24/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	10/24/2023
Acrylonitrile	ND	130	100		µg/Kg-dry	1	10/24/2023
Benzene	ND	50	50		µg/Kg-dry	1	10/24/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	10/24/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	10/24/2023
Bromoform	ND	100	100		µg/Kg-dry	1	10/24/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	10/24/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	10/24/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	10/24/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	10/24/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	10/24/2023
Chloroform	ND	50	50		µg/Kg-dry	1	10/24/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	10/24/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	10/24/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	10/24/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-12 Slab
Work Order: 23101335 **Collection Date:** 10/11/2023 12:10:00 PM
Project: West State Street 20-393A
Lab ID: 23101335-03 **Matrix:** CONCRETE

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	10/24/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	10/24/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	10/24/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	10/24/2023
Hexachloroethane	ND	130	0		µg/Kg-dry	1	10/24/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	10/24/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	10/24/2023
Methyl iodide	ND	650	100		µg/Kg-dry	1	10/24/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	10/24/2023
Methylene chloride	ND	330	100		µg/Kg-dry	1	10/24/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	10/24/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	10/24/2023
Styrene	ND	50	50		µg/Kg-dry	1	10/24/2023
Tetrachloroethene	**120**	**50**	**50**		**µg/Kg-dry**	1	10/24/2023
Toluene	ND	100	100		µg/Kg-dry	1	10/24/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	10/24/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	10/24/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	10/24/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	10/24/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	10/24/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	10/24/2023
Surr: 1,2-Dichloroethane-d4	*98.6*	*80-120*			*%REC*	1	10/24/2023
Surr: 4-Bromofluorobenzene	*93.3*	*80-120*			*%REC*	1	10/24/2023
Surr: Dibromofluoromethane	*94.3*	*80-120*			*%REC*	1	10/24/2023
Surr: Toluene-d8	*97.6*	*80-120*			*%REC*	1	10/24/2023
MOISTURE			**SW3550C**				Analyst: **LAD**
Moisture	**11**	**0.10**	**0**		**% of sample**	1	10/16/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *26-Oct-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-13 Slab
Work Order:	23101335	**Collection Date:**	10/11/2023 12:20:00 PM
Project:	West State Street 20-393A		
Lab ID:	23101335-04	**Matrix:**	CONCRETE

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **10/16/2023**		Analyst: **DMS**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	10/24/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	10/24/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	10/24/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	10/24/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	10/24/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
1,2-Dibromo-3-chloropropane	ND	140	10		µg/Kg-dry	1	10/24/2023
1,2-Dibromoethane	ND	41	20		µg/Kg-dry	1	10/24/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,3,5-Trimethylbenzene	ND	140	100		µg/Kg-dry	1	10/24/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	10/24/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	10/24/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	10/24/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	10/24/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	10/24/2023
Acrylonitrile	ND	140	100		µg/Kg-dry	1	10/24/2023
Benzene	ND	50	50		µg/Kg-dry	1	10/24/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	10/24/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	10/24/2023
Bromoform	ND	100	100		µg/Kg-dry	1	10/24/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	10/24/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	10/24/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	10/24/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	10/24/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	10/24/2023
Chloroform	ND	50	50		µg/Kg-dry	1	10/24/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	10/24/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	10/24/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	10/24/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-13 Slab
Work Order: 23101335 **Collection Date:** 10/11/2023 12:20:00 PM
Project: West State Street 20-393A
Lab ID: 23101335-04 **Matrix:** CONCRETE

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	10/24/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	10/24/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	10/24/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	10/24/2023
Hexachloroethane	ND	140	0		µg/Kg-dry	1	10/24/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	10/24/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	10/24/2023
Methyl iodide	ND	680	100		µg/Kg-dry	1	10/24/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	10/24/2023
Methylene chloride	ND	340	100		µg/Kg-dry	1	10/24/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	10/24/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	10/24/2023
Styrene	ND	50	50		µg/Kg-dry	1	10/24/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
Toluene	ND	100	100		µg/Kg-dry	1	10/24/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	10/24/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	10/24/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	10/24/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	10/24/2023
Vinyl chloride	ND	41	40		µg/Kg-dry	1	10/24/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	10/24/2023
Surr: 1,2-Dichloroethane-d4	*101*	*80-120*			*%REC*	1	10/24/2023
Surr: 4-Bromofluorobenzene	*96.1*	*80-120*			*%REC*	1	10/24/2023
Surr: Dibromofluoromethane	*93.6*	*80-120*			*%REC*	1	10/24/2023
Surr: Toluene-d8	*97.5*	*80-120*			*%REC*	1	10/24/2023
MOISTURE			**SW3550C**				Analyst: **LAD**
Moisture	**8.9**	**0.10**	**0**		**% of sample**	1	10/16/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *26-Oct-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-14 Slab
Work Order:	23101335	**Collection Date:**	10/11/2023 12:30:00 PM
Project:	West State Street 20-393A		
Lab ID:	23101335-05	**Matrix:**	CONCRETE

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **10/16/2023**		Analyst: **SBR**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	10/26/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	10/26/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	10/26/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	10/26/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	10/26/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	10/26/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/26/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	10/26/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	10/26/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	10/26/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	10/26/2023
1,2-Dibromo-3-chloropropane	ND	130	10		µg/Kg-dry	1	10/26/2023
1,2-Dibromoethane	ND	40	20		µg/Kg-dry	1	10/26/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/26/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	10/26/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	10/26/2023
1,3,5-Trimethylbenzene	ND	130	100		µg/Kg-dry	1	10/26/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/26/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/26/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	10/26/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	10/26/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	10/26/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	10/26/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	10/26/2023
Acrylonitrile	ND	130	100		µg/Kg-dry	1	10/26/2023
Benzene	ND	50	50		µg/Kg-dry	1	10/26/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	10/26/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	10/26/2023
Bromoform	ND	100	100		µg/Kg-dry	1	10/26/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	10/26/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	10/26/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	10/26/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	10/26/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	10/26/2023
Chloroform	ND	50	50		µg/Kg-dry	1	10/26/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	10/26/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/26/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	10/26/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	10/26/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-14 Slab
Work Order: 23101335 **Collection Date:** 10/11/2023 12:30:00 PM
Project: West State Street 20-393A
Lab ID: 23101335-05 **Matrix:** CONCRETE

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	10/26/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	10/26/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	10/26/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	10/26/2023
Hexachloroethane	ND	130	0		µg/Kg-dry	1	10/26/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	10/26/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	10/26/2023
Methyl iodide	ND	670	100		µg/Kg-dry	1	10/26/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	10/26/2023
Methylene chloride	ND	340	100		µg/Kg-dry	1	10/26/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	10/26/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	10/26/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	10/26/2023
Styrene	ND	50	50		µg/Kg-dry	1	10/26/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	10/26/2023
Toluene	ND	100	100		µg/Kg-dry	1	10/26/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/26/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	10/26/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	10/26/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	10/26/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	10/26/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	10/26/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	10/26/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	10/26/2023
Surr: 1,2-Dichloroethane-d4	*111*	*80-120*			*%REC*	1	10/26/2023
Surr: 4-Bromofluorobenzene	*108*	*80-120*			*%REC*	1	10/26/2023
Surr: Dibromofluoromethane	*100*	*80-120*			*%REC*	1	10/26/2023
Surr: Toluene-d8	*104*	*80-120*			*%REC*	1	10/26/2023
MOISTURE			**SW3550C**				Analyst: **LAD**
Moisture	**1.4**	**0.10**	**0**		**% of sample**	1	10/16/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *26-Oct-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-15 Slab
Work Order:	23101335	**Collection Date:**	10/11/2023 12:40:00 PM
Project:	West State Street 20-393A		
Lab ID:	23101335-06	**Matrix:**	CONCRETE

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **10/16/2023**		Analyst: **SBR**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	10/26/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	10/26/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	10/26/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	10/26/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	10/26/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	10/26/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/26/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	10/26/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	10/26/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	10/26/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	10/26/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	10/26/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	10/26/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/26/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	10/26/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	10/26/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	10/26/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/26/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/26/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	10/26/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	10/26/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	10/26/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	10/26/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	10/26/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	10/26/2023
Benzene	ND	50	50		µg/Kg-dry	1	10/26/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	10/26/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	10/26/2023
Bromoform	ND	100	100		µg/Kg-dry	1	10/26/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	10/26/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	10/26/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	10/26/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	10/26/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	10/26/2023
Chloroform	ND	50	50		µg/Kg-dry	1	10/26/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	10/26/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/26/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	10/26/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	10/26/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-15 Slab
Work Order: 23101335 **Collection Date:** 10/11/2023 12:40:00 PM
Project: West State Street 20-393A
Lab ID: 23101335-06 **Matrix:** CONCRETE

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	10/26/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	10/26/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	10/26/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	10/26/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	10/26/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	10/26/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	10/26/2023
Methyl iodide	ND	580	100		µg/Kg-dry	1	10/26/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	10/26/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	10/26/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	10/26/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	10/26/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	10/26/2023
Styrene	ND	50	50		µg/Kg-dry	1	10/26/2023
Tetrachloroethene	**200**	**50**	**50**		**µg/Kg-dry**	1	10/26/2023
Toluene	ND	100	100		µg/Kg-dry	1	10/26/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/26/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	10/26/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	10/26/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	10/26/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	10/26/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	10/26/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	10/26/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	10/26/2023
Surr: 1,2-Dichloroethane-d4	*113*	*80-120*			*%REC*	1	10/26/2023
Surr: 4-Bromofluorobenzene	*107*	*80-120*			*%REC*	1	10/26/2023
Surr: Dibromofluoromethane	*106*	*80-120*			*%REC*	1	10/26/2023
Surr: Toluene-d8	*102*	*80-120*			*%REC*	1	10/26/2023
MOISTURE			**SW3550C**				Analyst: **LAD**
Moisture	**3.8**	**0.10**	**0**		**% of sample**	1	10/16/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *26-Oct-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-13@0.5'
Work Order:	23101335	**Collection Date:**	10/11/2023 10:00:00 AM
Project:	West State Street 20-393A		
Lab ID:	23101335-07	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **10/16/2023**		Analyst: **DMS**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	10/24/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	10/24/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	10/24/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	10/24/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	10/24/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	10/24/2023
1,2-Dibromoethane	ND	37	20		µg/Kg-dry	1	10/24/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	10/24/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	10/24/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	10/24/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	10/24/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	10/24/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	10/24/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	10/24/2023
Benzene	ND	50	50		µg/Kg-dry	1	10/24/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	10/24/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	10/24/2023
Bromoform	ND	100	100		µg/Kg-dry	1	10/24/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	10/24/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	10/24/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	10/24/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	10/24/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	10/24/2023
Chloroform	ND	50	50		µg/Kg-dry	1	10/24/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	10/24/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	10/24/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	10/24/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-13@0.5'
Work Order: 23101335 **Collection Date:** 10/11/2023 10:00:00 AM
Project: West State Street 20-393A
Lab ID: 23101335-07 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	10/24/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	10/24/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	10/24/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	10/24/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	10/24/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	10/24/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	10/24/2023
Methyl iodide	ND	610	100		µg/Kg-dry	1	10/24/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	10/24/2023
Methylene chloride	ND	300	100		µg/Kg-dry	1	10/24/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	10/24/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	10/24/2023
Styrene	ND	50	50		µg/Kg-dry	1	10/24/2023
Tetrachloroethene	**1,600**	**50**	**50**		**µg/Kg-dry**	1	10/24/2023
Toluene	ND	100	100		µg/Kg-dry	1	10/24/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	10/24/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	10/24/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	10/24/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	10/24/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	10/24/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	10/24/2023
Surr: 1,2-Dichloroethane-d4	*97.7*	*80-120*			*%REC*	1	10/24/2023
Surr: 4-Bromofluorobenzene	*94.4*	*80-120*			*%REC*	1	10/24/2023
Surr: Dibromofluoromethane	*90.5*	*80-120*			*%REC*	1	10/24/2023
Surr: Toluene-d8	*97.7*	*80-120*			*%REC*	1	10/24/2023
MOISTURE			**SW3550C**				Analyst: **LAD**
Moisture	**4.8**	**0.10**	**0**		**% of sample**	1	10/16/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *26-Oct-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-13@3'
Work Order:	23101335	**Collection Date:**	10/11/2023 10:10:00 AM
Project:	West State Street 20-393A		
Lab ID:	23101335-08	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **10/16/2023**		Analyst: **DMS**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	10/24/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	10/24/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	10/24/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	10/24/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	10/24/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
1,2-Dibromo-3-chloropropane	ND	130	10		µg/Kg-dry	1	10/24/2023
1,2-Dibromoethane	ND	38	20		µg/Kg-dry	1	10/24/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,3,5-Trimethylbenzene	ND	130	100		µg/Kg-dry	1	10/24/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	10/24/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	10/24/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	10/24/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	10/24/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	10/24/2023
Acrylonitrile	ND	130	100		µg/Kg-dry	1	10/24/2023
Benzene	ND	50	50		µg/Kg-dry	1	10/24/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	10/24/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	10/24/2023
Bromoform	ND	100	100		µg/Kg-dry	1	10/24/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	10/24/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	10/24/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	10/24/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	10/24/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	10/24/2023
Chloroform	ND	50	50		µg/Kg-dry	1	10/24/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	10/24/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	10/24/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	10/24/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-13@3'
Work Order: 23101335 **Collection Date:** 10/11/2023 10:10:00 AM
Project: West State Street 20-393A
Lab ID: 23101335-08 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	10/24/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	10/24/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	10/24/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	10/24/2023
Hexachloroethane	ND	130	0		µg/Kg-dry	1	10/24/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	10/24/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	10/24/2023
Methyl iodide	ND	640	100		µg/Kg-dry	1	10/24/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	10/24/2023
Methylene chloride	ND	320	100		µg/Kg-dry	1	10/24/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	10/24/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	10/24/2023
Styrene	ND	50	50		µg/Kg-dry	1	10/24/2023
Tetrachloroethene	**290**	**50**	**50**		**µg/Kg-dry**	1	10/24/2023
Toluene	ND	100	100		µg/Kg-dry	1	10/24/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	10/24/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	10/24/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	10/24/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	10/24/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	10/24/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	10/24/2023
Surr: 1,2-Dichloroethane-d4	*98.9*	*80-120*			*%REC*	1	10/24/2023
Surr: 4-Bromofluorobenzene	*94.9*	*80-120*			*%REC*	1	10/24/2023
Surr: Dibromofluoromethane	*91.6*	*80-120*			*%REC*	1	10/24/2023
Surr: Toluene-d8	*99.2*	*80-120*			*%REC*	1	10/24/2023
MOISTURE			**SW3550C**				Analyst: **LAD**
Moisture	**7.9**	**0.10**	**0**		**% of sample**	1	10/16/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *26-Oct-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-13@5'
Work Order:	23101335	**Collection Date:**	10/11/2023 10:20:00 AM
Project:	West State Street 20-393A		
Lab ID:	23101335-09	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **10/16/2023**		Analyst: **DMS**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	10/24/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	10/24/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	10/24/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	10/24/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	10/24/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
1,2-Dibromo-3-chloropropane	ND	130	10		µg/Kg-dry	1	10/24/2023
1,2-Dibromoethane	ND	38	20		µg/Kg-dry	1	10/24/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,3,5-Trimethylbenzene	ND	130	100		µg/Kg-dry	1	10/24/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	10/24/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	10/24/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	10/24/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	10/24/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	10/24/2023
Acrylonitrile	ND	130	100		µg/Kg-dry	1	10/24/2023
Benzene	ND	50	50		µg/Kg-dry	1	10/24/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	10/24/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	10/24/2023
Bromoform	ND	100	100		µg/Kg-dry	1	10/24/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	10/24/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	10/24/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	10/24/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	10/24/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	10/24/2023
Chloroform	ND	50	50		µg/Kg-dry	1	10/24/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	10/24/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	10/24/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	10/24/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-13@5'
Work Order: 23101335 **Collection Date:** 10/11/2023 10:20:00 AM
Project: West State Street 20-393A
Lab ID: 23101335-09 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	10/24/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	10/24/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	10/24/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	10/24/2023
Hexachloroethane	ND	130	0		µg/Kg-dry	1	10/24/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	10/24/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	10/24/2023
Methyl iodide	ND	630	100		µg/Kg-dry	1	10/24/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	10/24/2023
Methylene chloride	ND	320	100		µg/Kg-dry	1	10/24/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	10/24/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	10/24/2023
Styrene	ND	50	50		µg/Kg-dry	1	10/24/2023
Tetrachloroethene	**240**	**50**	**50**		**µg/Kg-dry**	1	10/24/2023
Toluene	ND	100	100		µg/Kg-dry	1	10/24/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	10/24/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	10/24/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	10/24/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	10/24/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	10/24/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	10/24/2023
Surr: 1,2-Dichloroethane-d4	*98.2*	*80-120*			*%REC*	1	10/24/2023
Surr: 4-Bromofluorobenzene	*92.5*	*80-120*			*%REC*	1	10/24/2023
Surr: Dibromofluoromethane	*88.5*	*80-120*			*%REC*	1	10/24/2023
Surr: Toluene-d8	*97.1*	*80-120*			*%REC*	1	10/24/2023
MOISTURE			**SW3550C**				Analyst: **LAD**
Moisture	**4.3**	**0.10**	**0**		**% of sample**	1	10/16/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *26-Oct-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-14@1'
Work Order:	23101335	**Collection Date:**	10/11/2023 11:30:00 AM
Project:	West State Street 20-393A		
Lab ID:	23101335-10	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **10/16/2023**		Analyst: **DMS**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	10/24/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	10/24/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	10/24/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	10/24/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	10/24/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
1,2-Dibromo-3-chloropropane	ND	130	10		µg/Kg-dry	1	10/24/2023
1,2-Dibromoethane	ND	38	20		µg/Kg-dry	1	10/24/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	10/24/2023
1,3,5-Trimethylbenzene	ND	130	100		µg/Kg-dry	1	10/24/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	10/24/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	10/24/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	10/24/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	10/24/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	10/24/2023
Acrylonitrile	ND	130	100		µg/Kg-dry	1	10/24/2023
Benzene	ND	50	50		µg/Kg-dry	1	10/24/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	10/24/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	10/24/2023
Bromoform	ND	100	100		µg/Kg-dry	1	10/24/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	10/24/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	10/24/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	10/24/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	10/24/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	10/24/2023
Chloroform	ND	50	50		µg/Kg-dry	1	10/24/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	10/24/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	10/24/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	10/24/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-14@1'
Work Order: 23101335 **Collection Date:** 10/11/2023 11:30:00 AM
Project: West State Street 20-393A
Lab ID: 23101335-10 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	10/24/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	10/24/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	10/24/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	10/24/2023
Hexachloroethane	ND	130	0		µg/Kg-dry	1	10/24/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	10/24/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	10/24/2023
Methyl iodide	ND	630	100		µg/Kg-dry	1	10/24/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	10/24/2023
Methylene chloride	ND	310	100		µg/Kg-dry	1	10/24/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	10/24/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	10/24/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	10/24/2023
Styrene	ND	50	50		µg/Kg-dry	1	10/24/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
Toluene	ND	100	100		µg/Kg-dry	1	10/24/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	10/24/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	10/24/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	10/24/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	10/24/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	10/24/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	10/24/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	10/24/2023
Surr: 1,2-Dichloroethane-d4	*96.7*	*80-120*			*%REC*	1	10/24/2023
Surr: 4-Bromofluorobenzene	*91.7*	*80-120*			*%REC*	1	10/24/2023
Surr: Dibromofluoromethane	*92.2*	*80-120*			*%REC*	1	10/24/2023
Surr: Toluene-d8	*98.7*	*80-120*			*%REC*	1	10/24/2023
MOISTURE			**SW3550C**				Analyst: **LAD**
Moisture	**0.98**	**0.10**	**0**		**% of sample**	1	10/16/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C.
Project: West State Street 20-393A
WorkOrder: **23101335**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

Units Reported	Description
% of sample	Percent of Sample
µg/Kg-dry	Micrograms per Kilogram Dry Weight

ALS Group, USA
Holland, Michigan

Sample Receipt Checklist

Client Name: **OTWELL** Date/Time Received: **14-Oct-23 09:30**

Work Order: **23101335** Received by: **WSK**

Checklist completed by Weston Katecki (eSignature) 14-Oct-23 (Date) Reviewed by: Tim Gates (eSignature) 16-Oct-23 (Date)

Matrices: Soil / Concrete dust
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	5.2/5.2C	DF2	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	10/14/2023 2:18:35 PM		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Batch ID: **227394** Instrument ID **VMS10** Method: **SW8260D**

MBLK Sample ID: **MBLK-227394-227394** Units: **µg/Kg-dry** Analysis Date: **10/16/2023 11:59 AM**

Client ID: Run ID: **VMS10_231016A** SeqNo: **10092350** Prep Date: **10/16/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	30								
1,1,1-Trichloroethane	ND	30								
1,1,2,2-Tetrachloroethane	ND	30								
1,1,2-Trichloroethane	ND	30								
1,1,2-Trichlorotrifluoroethane	ND	30								
1,1-Dichloroethane	ND	30								
1,1-Dichloroethene	ND	30								
1,2,3-Trichloropropane	ND	30								
1,2,3-Trimethylbenzene	ND	30								
1,2,4-Trichlorobenzene	ND	100								
1,2,4-Trimethylbenzene	ND	30								
1,2-Dibromo-3-chloropropane	ND	100								
1,2-Dibromoethane	ND	30								
1,2-Dichlorobenzene	ND	30								
1,2-Dichloroethane	ND	30								
1,2-Dichloropropane	ND	30								
1,3,5-Trimethylbenzene	ND	100								
1,3-Dichlorobenzene	ND	30								
1,4-Dichlorobenzene	ND	30								
2-Butanone	ND	200								
2-Hexanone	ND	30								
2-Methylnaphthalene	ND	100								
4-Methyl-2-pentanone	ND	30								
Acetone	ND	100								
Acrylonitrile	ND	100								
Benzene	ND	30								
Bromochloromethane	ND	30								
Bromodichloromethane	ND	30								
Bromoform	ND	30								
Bromomethane	ND	100								
Carbon disulfide	ND	30								
Carbon tetrachloride	ND	30								
Chlorobenzene	ND	30								
Chloroethane	ND	100								
Chloroform	ND	30								
Chloromethane	ND	100								
cis-1,2-Dichloroethene	ND	30								
cis-1,3-Dichloropropene	ND	30								
Dibromochloromethane	ND	30								
Dibromomethane	ND	30								
Dichlorodifluoromethane	ND	100								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **227394** Instrument ID **VMS10** Method: **SW8260D**

Diethyl ether	ND	30					
Ethylbenzene	ND	30					
Hexachloroethane	ND	100					
Isopropylbenzene	ND	30					
m,p-Xylene	ND	60					
Methyl iodide	ND	500					
Methyl tert-butyl ether	ND	30					
Methylene chloride	ND	250					
Naphthalene	ND	100					
n-Propylbenzene	ND	30					
o-Xylene	ND	30					
Styrene	ND	30					
Tetrachloroethene	ND	30					
Toluene	ND	30					
trans-1,2-Dichloroethene	ND	30					
trans-1,3-Dichloropropene	ND	30					
trans-1,4-Dichloro-2-butene	ND	30					
Trichloroethene	ND	30					
Trichlorofluoromethane	ND	30					
Vinyl acetate	ND	250					
Vinyl chloride	ND	30					
Xylenes, Total	ND	90					
Surr: 1,2-Dichloroethane-d4	*1116*	0	*1000*	0	*112*	*80-120*	0
Surr: 4-Bromofluorobenzene	*1006*	0	*1000*	0	*101*	*80-120*	0
Surr: Dibromofluoromethane	*961*	0	*1000*	0	*96.1*	*80-120*	0
Surr: Toluene-d8	*993.5*	0	*1000*	0	*99.4*	*80-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23101335
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **227394** Instrument ID **VMS10** Method: **SW8260D**

LCS	Sample ID: **LCS-227394-227394**				Units: **µg/Kg-dry**		Analysis Date: **10/16/2023 11:08 AM**			
Client ID:		Run ID: **VMS10_231016A**			SeqNo: **10092348**		Prep Date: **10/16/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	892.5	30	1000	0	89.2	72-120	0			
1,1,1-Trichloroethane	1030	30	1000	0	103	75-121	0			
1,1,2,2-Tetrachloroethane	1036	30	1000	0	104	79-125	0			
1,1,2-Trichloroethane	1042	30	1000	0	104	80-123	0			
1,1,2-Trichlorotrifluoroethane	1111	30	1000	0	111	62-129	0			
1,1-Dichloroethane	1110	30	1000	0	111	74-124	0			
1,1-Dichloroethene	1131	30	1000	0	113	68-131	0			
1,2,3-Trichloropropane	1024	30	1000	0	102	77-121	0			
1,2,3-Trimethylbenzene	1083	30	1000	0	108	76-127	0			
1,2,4-Trichlorobenzene	1009	100	1000	0	101	63-130	0			
1,2,4-Trimethylbenzene	1048	30	1000	0	105	64-126	0			
1,2-Dibromo-3-chloropropane	886	100	1000	0	88.6	55-135	0			
1,2-Dibromoethane	1087	30	1000	0	109	63-155	0			
1,2-Dichlorobenzene	1026	30	1000	0	103	77-122	0			
1,2-Dichloroethane	1084	30	1000	0	108	70-130	0			
1,2-Dichloropropane	1078	30	1000	0	108	71-130	0			
1,3,5-Trimethylbenzene	1054	100	1000	0	105	66-130	0			
1,3-Dichlorobenzene	1014	30	1000	0	101	78-121	0			
1,4-Dichlorobenzene	1022	30	1000	0	102	78-122	0			
2-Butanone	1104	200	1000	0	110	47-164	0			
2-Hexanone	1060	30	1000	0	106	70-137	0			
2-Methylnaphthalene	979.5	100	1000	0	98	50-150	0			
4-Methyl-2-pentanone	1422	30	1000	0	142	57-200	0			
Acetone	1041	100	1000	0	104	52-190	0			
Acrylonitrile	1026	100	1000	0	103	61-142	0			
Benzene	1118	30	1000	0	112	78-122	0			
Bromochloromethane	1271	30	1000	0	127	68-130	0			
Bromodichloromethane	1061	30	1000	0	106	75-125	0			
Bromoform	821	30	1000	0	82.1	59-120	0			
Bromomethane	987.5	100	1000	0	98.8	31-169	0			
Carbon disulfide	1174	30	1000	0	117	60-163	0			
Carbon tetrachloride	1068	30	1000	0	107	69-123	0			
Chlorobenzene	1034	30	1000	0	103	79-120	0			
Chloroethane	1130	100	1000	0	113	38-132	0			
Chloroform	1102	30	1000	0	110	72-122	0			
Chloromethane	2267	100	1000	0	227	24-119	0			S
cis-1,2-Dichloroethene	1163	30	1000	0	116	74-125	0			
cis-1,3-Dichloropropene	983	30	1000	0	98.3	62-124	0			
Dibromochloromethane	849.5	30	1000	0	85	57-123	0			
Dibromomethane	1058	30	1000	0	106	70-128	0			
Dichlorodifluoromethane	808.5	100	1000	0	80.8	28-137	0			
Diethyl ether	1032	30	1000	0	103	65-159	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **227394** Instrument ID **VMS10** Method: **SW8260D**

Ethylbenzene	1049	30	1000	0	105	75-121	0
Hexachloroethane	931	100	1000	0	93.1	57-134	0
Isopropylbenzene	1066	30	1000	0	107	74-121	0
m,p-Xylene	2112	60	2000	0	106	67-129	0
Methyl iodide	1216	500	1000	0	122	10-200	0
Methyl tert-butyl ether	1081	30	1000	0	108	79-139	0
Methylene chloride	1036	250	1000	0	104	62-135	0
Naphthalene	989.5	100	1000	0	99	53-135	0
n-Propylbenzene	1041	30	1000	0	104	65-128	0
o-Xylene	1062	30	1000	0	106	75-120	0
Styrene	1006	30	1000	0	101	74-126	0
Tetrachloroethene	1072	30	1000	0	107	76-128	0
Toluene	1049	30	1000	0	105	76-120	0
trans-1,2-Dichloroethene	1142	30	1000	0	114	72-127	0
trans-1,3-Dichloropropene	883	30	1000	0	88.3	66-120	0
trans-1,4-Dichloro-2-butene	884	30	1000	0	88.4	56-122	0
Trichloroethene	1018	30	1000	0	102	75-122	0
Trichlorofluoromethane	941.5	30	1000	0	94.2	51-115	0
Vinyl chloride	1053	30	1000	0	105	43-128	0
Xylenes, Total	3174	90	3000	0	106	67-129	0
Surr: 1,2-Dichloroethane-d4	*1106*	0	*1000*	0	*111*	*80-120*	0
Surr: 4-Bromofluorobenzene	*1051*	0	*1000*	0	*105*	*80-120*	0
Surr: Dibromofluoromethane	*1077*	0	*1000*	0	*108*	*80-120*	0
Surr: Toluene-d8	*1032*	0	*1000*	0	*103*	*80-120*	0

The following samples were analyzed in this batch:

23101335-01C	23101335-02C	23101335-03C
23101335-04C	23101335-05C	23101335-06C
23101335-07C	23101335-08C	23101335-09C
23101335-10C		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23101335
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **R385784** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **WBLKS-R385784** Units: **% of sample** Analysis Date: **10/16/2023 01:23 PM**
Client ID: Run ID: **MOIST_231016B** SeqNo: **10094563** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.10								

LCS Sample ID: **LCS-R385784** Units: **% of sample** Analysis Date: **10/16/2023 01:23 PM**
Client ID: Run ID: **MOIST_231016B** SeqNo: **10094562** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	99.99	0.10	100	0	100	98-102	0			

DUP Sample ID: **23101306-01A DUP** Units: **% of sample** Analysis Date: **10/16/2023 01:23 PM**
Client ID: Run ID: **MOIST_231016B** SeqNo: **10094544** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	97.99	0.10	0	0	0	0-0	97.99	0	10	

DUP Sample ID: **23101330-02A DUP** Units: **% of sample** Analysis Date: **10/16/2023 01:23 PM**
Client ID: Run ID: **MOIST_231016B** SeqNo: **10094549** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	29.2	0.10	0	0	0	0-0	24.06	19.3	10	R

The following samples were analyzed in this batch:

23101335-01A	23101335-02A	23101335-03A
23101335-04A	23101335-05A	23101335-06A
23101335-07A	23101335-08A	23101335-09A
23101335-10A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Simi Valley, CA +1 805 526 7161
Kelso, WA +1 360 577 7222
Cincinnati, OH +1 513 733 5336
Everett, WA +1 425 356 2600
Fort Collins, CO +1 970 490 1511
Holland, MI +1 616 399 6070
Houston, TX +1 281 530 5656
Middletown, PA +1 717 944 5541
Valparaiso, IN +1 219 299 8127
Salt Lake City, UT +1 801 266 7700
South Charleston, WV +1 304 356 3168
Rochester, NY +1 585 288 5380

Chain of Custody Form

Page 1 of 1

COC ID: 061191

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	West State Street	A	VOCs
Quote #		Project Number	20-393A	B	
Company Name	Otwell Mawby P.C.	Bill To Company	Otwell Mawby P.C.	C	
Send Report To	James Jackson	Invoice Attn	Same	D	
Address	309 E Front St. #200	Address		E	
				F	
City/State/Zip	Traverse City, MI 49684	City/State/Zip		G	
Phone	231-946-5200	Phone		H	
Fax		Fax		I	
e-Mail Address	jjackson@otwellmawby.com	e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	I	J	Hold
1	HA-10 Slab	10/11/23	1150	Soil		3	X						
2	HA-11 Slab		1200										
3	HA-12 Slab		1210										
4	HA-13 Slab		1220										
5	HA-14 Slab		1230										
6	HA-15 Slab		1240										
7	HA-13 @ 0.5		1000										
8	HA-13 @ 3'		1010										
9	HA-13 @ 5'		1020										
10	HA-14 @ 1'		1130										

23101335
OTWELL: Otwell Mawby, P.C.
Project: Otwell - West State Street (20-393A)

Sampler(s) Please Print & Sign: Jacob Pelinsky Jacob Pelinsky

Shipment Method:

Turnaround Time in Business Days (BD): ☐ 10 BD ☐ 5 BD ☐ 3 BD ☐ 2 BD ☐ 1 BD Other ____ Results Due Date:

Relinquished by: Jacob Pelinsky	Date: 10/13/23	Time: 0915	Received by: Tim Dot	10/13	Notes: 23
Relinquished by: TG to Fedex	Date: 10/13/23	Time:	Received by (Laboratory): Fedex	Date: 10/14/23	Cooler ID: 736
Logged by (Laboratory):	Date: 10/14/23	Time: 1413	Checked by (Laboratory): TG		Cooler Temp.: 5.2°C DF 2

QC Package: (Check One Box Below)
☐ Level II Std QC ☐ TRRP Checklist
☐ Level III Std QC/Raw Date ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other ____

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note:
1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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ALS-COC-2022-R00

14-Nov-2023

James Jackson
Otwell Mawby, P. C.
309 E Front St.
Suite #200
Traverse City, MI 49684

Re: **Otwell - West State Street 20-393A** Work Order: **23110289**

Dear James,

ALS Environmental received 92 samples on 03-Nov-2023 09:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 336.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

Electronically approved by: Tim Gates

Gary Byar
Project Manager

ALS Group, USA

Date: 14-Nov-23

Client: Otwell Mawby, P. C.
Project: Otwell - West State Street 20-393A
Work Order: **23110289**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
23110289-01	GP-70 @3'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-02	GP-70@5.5'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-03	GP-71@5'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-04	GP-71@7'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-05	GP-72@9'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-06	GP-72@11'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-07	GP-73@3.5'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-08	GP-73@6.5'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-09	GP-75@3'	Soil		11/1/2023	11/3/2023 09:00	☐
23110289-10	GP-75@5'	Soil		11/1/2023	11/3/2023 09:00	☐
23110289-11	GP-76@4'	Soil		11/1/2023	11/3/2023 09:00	☐
23110289-12	GP-76@6'	Soil		11/1/2023	11/3/2023 09:00	☐
23110289-13	GP-77@3'	Soil		11/1/2023	11/3/2023 09:00	☐
23110289-14	GP-77@5'	Soil		11/1/2023	11/3/2023 09:00	☐
23110289-15	GP-78@2.5'	Soil		11/1/2023	11/3/2023 09:00	☐
23110289-16	GP-78@4'	Soil		11/1/2023	11/3/2023 09:00	☐
23110289-17	GP-89@2'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-18	GP-89@4'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-19	GP-89@7'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-20	GP-89@9'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-21	GP-89@12'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-22	GP-89@14'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-23	GP-89@16'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-24	GP-89@18'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-25	GP-90@2'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-26	GP-90@4'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-27	GP-90@6'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-28	GP-90@8'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-29	GP-90@10'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-30	GP-90@12'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-31	GP-90@14'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-32	GP-90@16'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-33	GP-91@1'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-34	GP-91@3'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-35	GP-91@5'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-36	GP-91@7'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-37	GP-91@9'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-38	GP-91@11'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-39	GP-91@14'	Soil		10/31/2023	11/3/2023 09:00	☐

Client: Otwell Mawby, P. C.
Project: Otwell - West State Street 20-393A
Work Order: **23110289**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
23110289-40	GP-91@17'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-41	GP-92@3'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-42	GP-92@5'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-43	GP-92@7'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-44	GP-92@9'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-45	GP-92@11'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-46	GP-92@13'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-47	GP-92@15'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-48	GP-92@17'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-49	GP-93@2'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-50	GP-93@4'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-51	GP-93@6'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-52	GP-93@8'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-53	GP-93@10'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-54	GP-93@12'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-55	GP-93@14'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-56	GP-93@16'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-57	GP-94@3'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-58	GP-94@5'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-59	GP-94@7'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-60	GP-94@9'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-61	GP-94@11'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-62	GP-94@13'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-63	GP-94@15'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-64	GP-94@17'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-65	GP-95@2'	Soil		11/1/2023	11/3/2023 09:00	☐
23110289-66	GP-95@4'	Soil		11/1/2023	11/3/2023 09:00	☐
23110289-67	GP-95@6'	Soil		11/1/2023	11/3/2023 09:00	☐
23110289-68	GP-95@8'	Soil		11/1/2023	11/3/2023 09:00	☐
23110289-69	GP-95@10'	Soil		11/1/2023	11/3/2023 09:00	☐
23110289-70	GP-95@12'	Soil		11/1/2023	11/3/2023 09:00	☐
23110289-71	GP-95@14'	Soil		11/1/2023	11/3/2023 09:00	☐
23110289-72	GP-95@18'	Soil		11/1/2023	11/3/2023 09:00	☐
23110289-73	GP-97@3'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-74	GP-97@5'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-75	GP-97@7'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-76	GP-97@9'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-77	GP-97@11'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-78	GP-97@13'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-79	GP-97@15'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-80	GP-97@18'	Soil		10/31/2023	11/3/2023 09:00	☐

Client: Otwell Mawby, P. C.
Project: Otwell - West State Street 20-393A
Work Order: **23110289**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
23110289-81	GP-94 Waste Characterization	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-82	GP-95 Waste Characterization	Soil		11/1/2023	11/3/2023 09:00	☐
23110289-83	GP-94	Groundwater		11/2/2023 09:00	11/3/2023 09:00	☐
23110289-84	GP-95	Groundwater		11/2/2023 10:00	11/3/2023 09:00	☐
23110289-85	GP-96@3'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-86	GP-96@5'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-87	GP-96@7'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-88	GP-96@9'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-89	GP-96@11'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-90	GP-96@13'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-91	GP-96@16'	Soil		10/31/2023	11/3/2023 09:00	☐
23110289-92	GP-96@18'	Soil		10/31/2023	11/3/2023 09:00	☐

Batch 228608, Method SW8260D, Sample GP-89@16' (23110289-23B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: bromomethane, methyl iodide

Batch 228608, Method SW8260D, Sample GP-89@18' (23110289-24B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: bromomethane, methyl iodide

Batch 228608, Method SW8260D, Sample GP-90@6' (23110289-27B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: bromomethane, methyl iodide

Batch 228608, Method SW8260D, Sample GP-90@8' (23110289-28B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: bromomethane, methyl iodide

Batch 228645, Method SW8260D, Sample GP-90@14' (23110289-31B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: bromomethane, methyl iodide

Batch 228645, Method SW8260D, Sample GP-90@16' (23110289-32B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: bromomethane, methyl iodide

Batch 228645, Method SW8260D, Sample GP-91@5' (23110289-35B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: bromomethane, methyl iodide

Batch 228645, Method SW8260D, Sample GP-91@7' (23110289-36B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-

detects are reported without qualification: bromomethane, methyl iodide

Batch 228645, Method SW8260D, Sample GP-91@14' (23110289-39B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: bromomethane, methyl iodide

Batch 228608, Method SW8260D, Sample GP-89@12' (23110289-21B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: methyl iodide

Batch 228608, Method SW8260D, Sample GP-89@14' (23110289-22B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: methyl iodide

Batch 228608, Method SW8260D, Sample GP-90@2' (23110289-25B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: methyl iodide

Batch 228608, Method SW8260D, Sample GP-90@4' (23110289-26B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: methyl iodide

Batch 228645, Method SW8260D, Sample GP-90@10' (23110289-29B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: methyl iodide

Batch 228645, Method SW8260D, Sample GP-90@12' (23110289-30B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: methyl iodide

Batch 228645, Method SW8260D, Sample GP-91@1' (23110289-33B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: methyl iodide

Batch 228645, Method SW8260D, Sample GP-91@3' (23110289-34B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: methyl iodide

Batch 228645, Method SW8260D, Sample GP-91@9' (23110289-37B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: methyl iodide

Batch 228645, Method SW8260D, Sample GP-91@11' (23110289-38B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: methyl iodide

Batch R388344, Method SW1010BMOD, Sample GP-94 Waste Characterization (23110289-81A): Method 1010B is applicable to the testing of liquid materials. A modification where stirring was not applied was performed for solids testing, at client request. This modification does not fall within the laboratory's scope of accreditation.

Batch R388344, Method SW1010BMOD, Sample GP-95 Waste Characterization (23110289-82A): Method 1010B is applicable to the testing of liquid materials. A modification where stirring was not applied was performed for solids testing, at client request. This modification does not fall within the laboratory's scope of accreditation.

Batch R388465B, Method E150.1, Sample GP-94 (23110289-83D): This is considered a "field test" and, as such, the recommended sample holding time expired prior to sample receipt.

Batch R388465B, Method E150.1, Sample GP-95 (23110289-84D): This is considered a "field test" and, as such, the recommended sample holding time expired prior to sample receipt.

Batch 228611, Method SW6020B, Sample GP-72@9' (23110289-05A): The reporting limit is elevated due to dilution for high concentrations of non-target analytes. Cd, Se, Ag

Batch 228611, Method SW6020B, Sample GP-73@3.5' (23110289-07A): The reporting limit is elevated due to dilution for high concentrations of non-target analytes. As, Cd, Cr, Se, Ag

Batch 228608, Method SW8260D, Sample GP-75@3' (23110289-09B): One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed.

Batch 228606, Method SW8260D, Sample GP-70@5.5' (23110289-02B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: Chloromethane, Dichlorodifluoromethane

Batch 228606, Method SW8260D, Sample GP-71@5' (23110289-03B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: Chloromethane, Dichlorodifluoromethane

Batch 228606, Method SW8260D, Sample GP-71@7' (23110289-04B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: Chloromethane, Dichlorodifluoromethane

Batch 228606, Method SW8260D, Sample GP-72@9' (23110289-05B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: Chloromethane, Dichlorodifluoromethane

Batch 228606, Method SW8260D, Sample GP-72@11' (23110289-06B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: Chloromethane, Dichlorodifluoromethane

Batch 228606, Method SW8260D, Sample GP-73@3.5' (23110289-07B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: Chloromethane, Dichlorodifluoromethane

Batch 228606, Method SW8260D, Sample GP-73@6.5' (23110289-08B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: Chloromethane, Dichlorodifluoromethane

Batch 228608, Method SW8260D, Sample GP-75@5' (23110289-10B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: Chloromethane, Dichlorodifluoromethane

Batch 228598, Method A5210B-16, Sample GP-94 (23110289-83E): The sample dilutions set up for BOD analysis did not meet the oxygen depletion criteria of at least 2 mg/L. The result should be considered estimated.

Batch 228598, Method A5210B-16, Sample GP-95 (23110289-84E): RPD between acceptable sample dilutions exceeds 30%. The presence of toxicity was not evaluated through alternate methods. The result should be considered estimated.

Batch 228795, Method SW8270E, Sample GP-72@9' (23110289-05A): Split Peak could not be resolved. Sample results should be considered estimated for the following analytes: Benzo(b)fluoranthene; Benzo(k)fluoranthene

Batch 228645, Method SW8260D, Sample GP-92@3' (23110289-41B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: bromomethane, methyl iodide

Batch 228645, Method SW8260D, Sample GP-92@3' (23110289-41B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: dichlorodifluoromethane

Batch 228645, Method SW8260D, Sample GP-92@5' (23110289-42B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: bromomethane, methyl iodide

Batch 228645, Method SW8260D, Sample GP-92@5' (23110289-42B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: dichlorodifluoromethane

Batch 228645, Method SW8260D, Sample GP-92@7' (23110289-43B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: bromomethane, methyl iodide

Batch 228645, Method SW8260D, Sample GP-92@7' (23110289-43B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: dichlorodifluoromethane

Batch 228645, Method SW8260D, Sample GP-92@9' (23110289-44B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: bromomethane, methyl iodide

Batch 228645, Method SW8260D, Sample GP-92@9' (23110289-44B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: dichlorodifluoromethane

Batch 228645, Method SW8260D, Sample GP-92@11' (23110289-45B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: bromomethane, methyl iodide

Batch 228645, Method SW8260D, Sample GP-92@11' (23110289-45B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: dichlorodifluoromethane

Batch 228645, Method SW8260D, Sample GP-92@13' (23110289-46B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: bromomethane, methyl iodide

Batch 228645, Method SW8260D, Sample GP-92@13' (23110289-46B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity

was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: dichlorodifluoromethane

Batch 228656, Method SW8260D, Sample GP-92@15' (23110289-47B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: bromomethane, methyl iodide

Batch 228656, Method SW8260D, Sample GP-92@15' (23110289-47B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: dichlorodifluoromethane

Batch 228656, Method SW8260D, Sample GP-92@17' (23110289-48B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: bromomethane, methyl iodide

Batch 228656, Method SW8260D, Sample GP-92@17' (23110289-48B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: dichlorodifluoromethane

Batch 228656, Method SW8260D, Sample GP-92@17' (23110289-48B): The reporting limit is elevated due to dilution needed to eliminate matrix-related interference. see pdf

Batch 228656, Method SW8260D, Sample GP-93@2' (23110289-49B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Methyl iodide

Batch 228656, Method SW8260D, Sample GP-93@4' (23110289-50B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Methyl iodide

Batch 228656, Method SW8260D, Sample GP-93@6' (23110289-51B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Methyl iodide

Batch 228656, Method SW8260D, Sample GP-93@8' (23110289-52B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-

detects are reported without qualification: Methyl iodide

Batch 228656, Method SW8260D, Sample GP-93@10' (23110289-53B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Methyl iodide

Batch 228656, Method SW8260D, Sample GP-93@12' (23110289-54B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Methyl iodide

Batch 228656, Method SW8260D, Sample GP-93@14' (23110289-55B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Methyl iodide

Batch 228656, Method SW8260D, Sample GP-93@16' (23110289-56B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Methyl iodide

Batch 228656, Method SW8260D, Sample GP-94@3' (23110289-57B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Methyl iodide

Batch 228656, Method SW8260D, Sample GP-94@5' (23110289-58B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Methyl iodide

Batch 228656, Method SW8260D, Sample GP-94@7' (23110289-59B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Methyl iodide

Batch 228656, Method SW8260D, Sample GP-94@9' (23110289-60B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Methyl iodide

Batch 228656, Method SW8260D, Sample GP-94@11' (23110289-61B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Methyl iodide

Batch 228656, Method SW8260D, Sample GP-94@13' (23110289-62B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Methyl iodide

Batch 228656, Method SW8260D, Sample GP-94@15' (23110289-63B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Methyl iodide

Batch 228656, Method SW8260D, Sample GP-94@17' (23110289-64B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Methyl iodide

Batch 228661, Method SW8260D, Sample GP-97@18' (23110289-80B): The reporting limit is elevated due to dilution needed to eliminate matrix-related interference. see pdf

Batch 228661, Method SW8260D, Sample GP-95@18' (23110289-72B): The reporting limit is elevated due to dilution needed to eliminate matrix-related interference. see pdf

Batch 228645, Method SW8260D, Sample GP-91@17' (23110289-40B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Bromomethane, Dichlorodifluoromethane, Methyl iodide

Batch 228645, Method SW8260D, Sample GP-91@9' (23110289-37B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Bromomethane, Dichlorodifluoromethane, Methyl iodide

Batch 228653, Method SW8270E, Sample SLCSS1-228653: The LCS recovery was above the upper control limit. The sample results for this batch may be biased high for this analyte: 2-Methylnaphthalene Nitrobenzene

Batch 228677, Method SW6020B: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch 228740, Method SW8270E: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch 228746, Method SW7471B: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch 228747, Method SW7471B: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch 228907, Method SW7470A: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch 228927, Method E160.2: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch R388316, Method SW3550C: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch R388317, Method SW3550C: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch R388319, Method SW3550C: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch R388435, Method SW3550C: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch R388437, Method SW3550C: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch R388438, Method SW3550C: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch R388476a, Method E420.4: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch R388655, Method SW3550C: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch R388688, Method A4500-Cl C-11: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch R388934a, Method SW8260D: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch R388966a, Method E365.1 R2.0: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-70 @3'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-01	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/7/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/8/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/4/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**12**	**3.1**	**1.0**		**mg/Kg-dry**	10	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	**2.1**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	10	11/8/2023
Selenium	ND	0.31	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.31	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**4.8**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/6/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/7/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/7/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/7/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/7/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/7/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Surr: 2-Fluorobiphenyl	*93.8*	*20-140*			*%REC*	1	11/7/2023
Surr: 4-Terphenyl-d14	*90.3*	*22-172*			*%REC*	1	11/7/2023
Surr: Nitrobenzene-d5	*107*	*28-140*			*%REC*	1	11/7/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **NTJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-70 @3'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-01	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/8/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/8/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/8/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/8/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/8/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/8/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/8/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/8/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/8/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/8/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/8/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-70 @3'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-01	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/8/2023
Methyl iodide	ND	590	100		µg/Kg-dry	1	11/8/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/8/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/8/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/8/2023
Tetrachloroethene	**110**	**50**	**50**		**µg/Kg-dry**	1	11/8/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/8/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/8/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/8/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/8/2023
Surr: 1,2-Dichloroethane-d4	*108*	*80-120*			*%REC*	1	11/8/2023
Surr: 4-Bromofluorobenzene	*95.7*	*80-120*			*%REC*	1	11/8/2023
Surr: Dibromofluoromethane	*95.8*	*80-120*			*%REC*	1	11/8/2023
Surr: Toluene-d8	*99.8*	*80-120*			*%REC*	1	11/8/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**6.9**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-70@5.5'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-02	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/7/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/8/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/4/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**1.3**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.31	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.31	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**2.0**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/6/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/7/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/7/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/7/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/7/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/7/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Surr: 2-Fluorobiphenyl	*86.3*	*20-140*			*%REC*	1	11/7/2023
Surr: 4-Terphenyl-d14	*84.0*	*22-172*			*%REC*	1	11/7/2023
Surr: Nitrobenzene-d5	*98.5*	*28-140*			*%REC*	1	11/7/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-70@5.5'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-02	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/8/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/8/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/8/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/8/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/8/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/8/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/8/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/8/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/8/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/8/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/8/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-70@5.5'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-02	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/8/2023
Methyl iodide	ND	570	100		µg/Kg-dry	1	11/8/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/8/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/8/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/8/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/8/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/8/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/8/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/8/2023
Surr: 1,2-Dichloroethane-d4	*95.2*	*80-120*			*%REC*	1	11/8/2023
Surr: 4-Bromofluorobenzene	*104*	*80-120*			*%REC*	1	11/8/2023
Surr: Dibromofluoromethane	*95.1*	*80-120*			*%REC*	1	11/8/2023
Surr: Toluene-d8	*105*	*80-120*			*%REC*	1	11/8/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.4**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-71@5'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-03	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/7/2023**		Analyst: **KRA**
Mercury	**0.25**	**0.050**	**0.050**		**mg/Kg-dry**	1	11/8/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/4/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**19**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	**0.34**	**0.20**	**0.20**		**mg/Kg-dry**	1	11/8/2023
Chromium	**2.3**	**2.0**	**2.0**		**mg/Kg-dry**	1	11/8/2023
Copper	**8.0**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Lead	**51**	**10**	**10**		**mg/Kg-dry**	1	11/8/2023
Selenium	ND	0.29	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.29	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**73**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	**410**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Acenaphthene	**480**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/8/2023
Anthracene	**1,000**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Benzo(a)anthracene	**2,100**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Benzo(a)pyrene	**1,500**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Benzo(b)fluoranthene	**2,000**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Benzo(g,h,i)perylene	**560**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Benzo(k)fluoranthene	**790**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Chrysene	**2,600**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Fluoranthene	**7,000**	**330**	**330**		**µg/Kg-dry**	10	11/10/2023
Fluorene	**760**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Indeno(1,2,3-cd)pyrene	**820**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Naphthalene	**570**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Phenanthrene	**7,900**	**330**	**330**		**µg/Kg-dry**	10	11/10/2023
Pyrene	**5,500**	**330**	**330**		**µg/Kg-dry**	10	11/10/2023
Surr: 2-Fluorobiphenyl	*90.9*	*20-140*			*%REC*	1	11/8/2023
Surr: 4-Terphenyl-d14	*70.4*	*22-172*			*%REC*	1	11/8/2023
Surr: Nitrobenzene-d5	*101*	*28-140*			*%REC*	1	11/8/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-71@5'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-03	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dibromo-3-chloropropane	ND	100	10		µg/Kg-dry	1	11/8/2023
1,2-Dibromoethane	ND	31	20		µg/Kg-dry	1	11/8/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,3,5-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/8/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
2-Methylnaphthalene	**380**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/8/2023
Acrylonitrile	ND	100	100		µg/Kg-dry	1	11/8/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/8/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/8/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/8/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/8/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Hexachloroethane	ND	100	0		µg/Kg-dry	1	11/8/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-71@5'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-03	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/8/2023
Methyl iodide	ND	510	100		µg/Kg-dry	1	11/8/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/8/2023
Methylene chloride	ND	260	100		µg/Kg-dry	1	11/8/2023
Naphthalene	**420**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/8/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/8/2023
Tetrachloroethene	**220**	**50**	**50**		**µg/Kg-dry**	1	11/8/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/8/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/8/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/8/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/8/2023
Surr: 1,2-Dichloroethane-d4	*96.3*	*80-120*			*%REC*	1	11/8/2023
Surr: 4-Bromofluorobenzene	*99.3*	*80-120*			*%REC*	1	11/8/2023
Surr: Dibromofluoromethane	*96.1*	*80-120*			*%REC*	1	11/8/2023
Surr: Toluene-d8	*97.2*	*80-120*			*%REC*	1	11/8/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**5.5**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-71@7'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-04	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/7/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/8/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/4/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**1.8**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.30	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.30	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**4.0**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/6/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/7/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/7/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/7/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/7/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/7/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Surr: 2-Fluorobiphenyl	*86.8*	*20-140*			*%REC*	1	11/7/2023
Surr: 4-Terphenyl-d14	*80.7*	*22-172*			*%REC*	1	11/7/2023
Surr: Nitrobenzene-d5	*102*	*28-140*			*%REC*	1	11/7/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-71@7'
Work Order: 23110289 **Collection Date:** 10/31/2023
Project: Otwell - West State Street 20-393A
Lab ID: 23110289-04 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dibromo-3-chloropropane	ND	130	10		µg/Kg-dry	1	11/8/2023
1,2-Dibromoethane	ND	38	20		µg/Kg-dry	1	11/8/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,3,5-Trimethylbenzene	ND	130	100		µg/Kg-dry	1	11/8/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/8/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/8/2023
Acrylonitrile	ND	130	100		µg/Kg-dry	1	11/8/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/8/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/8/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/8/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/8/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Hexachloroethane	ND	130	0		µg/Kg-dry	1	11/8/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-71@7'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-04	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/8/2023
Methyl iodide	ND	630	100		µg/Kg-dry	1	11/8/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/8/2023
Methylene chloride	ND	320	100		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/8/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/8/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/8/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/8/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/8/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/8/2023
Surr: 1,2-Dichloroethane-d4	*102*	*80-120*			*%REC*	1	11/8/2023
Surr: 4-Bromofluorobenzene	*84.8*	*80-120*			*%REC*	1	11/8/2023
Surr: Dibromofluoromethane	*97.2*	*80-120*			*%REC*	1	11/8/2023
Surr: Toluene-d8	*101*	*80-120*			*%REC*	1	11/8/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.0**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-72@9'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-05	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/7/2023**		Analyst: **KRA**
Mercury	**0.57**	**0.21**	**0.050**		**mg/Kg-dry**	10	11/8/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/4/2023**		Analyst: **STP**
Arsenic	**7.3**	**3.4**	**2.0**		**mg/Kg-dry**	10	11/8/2023
Barium	**140**	**3.4**	**1.0**		**mg/Kg-dry**	10	11/8/2023
Cadmium	ND	1.4	0.20		mg/Kg-dry	10	11/8/2023
Chromium	**28**	**3.4**	**2.0**		**mg/Kg-dry**	10	11/8/2023
Copper	**110**	**3.4**	**1.0**		**mg/Kg-dry**	10	11/8/2023
Lead	**420**	**10**	**10**		**mg/Kg-dry**	10	11/8/2023
Selenium	ND	3.4	0.20		mg/Kg-dry	10	11/8/2023
Silver	ND	3.4	0.10		mg/Kg-dry	10	11/8/2023
Zinc	**400**	**6.8**	**1.0**		**mg/Kg-dry**	10	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/8/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(a)anthracene	**390**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Benzo(a)pyrene	**380**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Benzo(b)fluoranthene	**510**	**330**	**330**		**µg/Kg-dry**	5	11/10/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	5	11/10/2023
Chrysene	**510**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Fluoranthene	**1,500**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/8/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
Phenanthrene	**1,300**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Pyrene	**820**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Surr: 2-Fluorobiphenyl	*84.1*	*20-140*			*%REC*	1	11/8/2023
Surr: 4-Terphenyl-d14	*62.8*	*22-172*			*%REC*	1	11/8/2023
Surr: Nitrobenzene-d5	*93.1*	*28-140*			*%REC*	1	11/8/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-72@9'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-05	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dibromo-3-chloropropane	ND	160	10		µg/Kg-dry	1	11/8/2023
1,2-Dibromoethane	ND	49	20		µg/Kg-dry	1	11/8/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,3,5-Trimethylbenzene	ND	160	100		µg/Kg-dry	1	11/8/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/8/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/8/2023
Acrylonitrile	ND	160	100		µg/Kg-dry	1	11/8/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/8/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/8/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/8/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/8/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Hexachloroethane	ND	160	0		µg/Kg-dry	1	11/8/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-72@9'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-05	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/8/2023
Methyl iodide	ND	810	100		µg/Kg-dry	1	11/8/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/8/2023
Methylene chloride	ND	410	100		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/8/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/8/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/8/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/8/2023
Vinyl chloride	ND	49	40		µg/Kg-dry	1	11/8/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/8/2023
Surr: 1,2-Dichloroethane-d4	*103*	*80-120*			*%REC*	1	11/8/2023
Surr: 4-Bromofluorobenzene	*96.2*	*80-120*			*%REC*	1	11/8/2023
Surr: Dibromofluoromethane	*95.8*	*80-120*			*%REC*	1	11/8/2023
Surr: Toluene-d8	*99.5*	*80-120*			*%REC*	1	11/8/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**16**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-72@11'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-06	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/7/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/8/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/4/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**2.1**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	**1.2**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.26	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.26	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**4.8**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/6/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/7/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/7/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/7/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/7/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/7/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Surr: 2-Fluorobiphenyl	*88.4*	*20-140*			*%REC*	1	11/7/2023
Surr: 4-Terphenyl-d14	*77.9*	*22-172*			*%REC*	1	11/7/2023
Surr: Nitrobenzene-d5	*97.7*	*28-140*			*%REC*	1	11/7/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-72@11'
Work Order: 23110289 **Collection Date:** 10/31/2023
Project: Otwell - West State Street 20-393A
Lab ID: 23110289-06 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dibromo-3-chloropropane	ND	130	10		µg/Kg-dry	1	11/8/2023
1,2-Dibromoethane	ND	39	20		µg/Kg-dry	1	11/8/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,3,5-Trimethylbenzene	ND	130	100		µg/Kg-dry	1	11/8/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/8/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/8/2023
Acrylonitrile	ND	130	100		µg/Kg-dry	1	11/8/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/8/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/8/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/8/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/8/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Hexachloroethane	ND	130	0		µg/Kg-dry	1	11/8/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-72@11'
Work Order: 23110289 **Collection Date:** 10/31/2023
Project: Otwell - West State Street 20-393A
Lab ID: 23110289-06 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/8/2023
Methyl iodide	ND	650	100		µg/Kg-dry	1	11/8/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/8/2023
Methylene chloride	ND	320	100		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/8/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/8/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/8/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/8/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/8/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/8/2023
Surr: 1,2-Dichloroethane-d4	*98.6*	*80-120*			*%REC*	1	11/8/2023
Surr: 4-Bromofluorobenzene	*101*	*80-120*			*%REC*	1	11/8/2023
Surr: Dibromofluoromethane	*93.9*	*80-120*			*%REC*	1	11/8/2023
Surr: Toluene-d8	*109*	*80-120*			*%REC*	1	11/8/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.4**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-73@3.5'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-07	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/7/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/8/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/4/2023**		Analyst: **STP**
Arsenic	ND	3.0	2.0		mg/Kg-dry	10	11/8/2023
Barium	**64**	**3.0**	**1.0**		**mg/Kg-dry**	10	11/8/2023
Cadmium	ND	1.2	0.20		mg/Kg-dry	10	11/8/2023
Chromium	ND	3.0	2.0		mg/Kg-dry	10	11/8/2023
Copper	**25**	**3.0**	**1.0**		**mg/Kg-dry**	10	11/8/2023
Lead	**280**	**10**	**10**		**mg/Kg-dry**	10	11/8/2023
Selenium	ND	3.0	0.20		mg/Kg-dry	10	11/8/2023
Silver	ND	3.0	0.10		mg/Kg-dry	10	11/8/2023
Zinc	**240**	**6.0**	**1.0**		**mg/Kg-dry**	10	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Acenaphthylene	**590**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Anthracene	**1,400**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Benzo(a)anthracene	**4,000**	**330**	**330**		**µg/Kg-dry**	10	11/10/2023
Benzo(a)pyrene	**3,200**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Benzo(b)fluoranthene	**3,900**	**330**	**330**		**µg/Kg-dry**	10	11/10/2023
Benzo(g,h,i)perylene	**1,200**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Benzo(k)fluoranthene	**1,200**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Chrysene	**4,000**	**330**	**330**		**µg/Kg-dry**	10	11/10/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Fluoranthene	**11,000**	**330**	**330**		**µg/Kg-dry**	10	11/10/2023
Fluorene	**360**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Indeno(1,2,3-cd)pyrene	**1,700**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
Phenanthrene	**4,800**	**330**	**330**		**µg/Kg-dry**	10	11/10/2023
Pyrene	**9,200**	**330**	**330**		**µg/Kg-dry**	10	11/10/2023
Surr: 2-Fluorobiphenyl	*88.5*	*20-140*			*%REC*	1	11/8/2023
Surr: 4-Terphenyl-d14	*68.3*	*22-172*			*%REC*	1	11/8/2023
Surr: Nitrobenzene-d5	*90.3*	*28-140*			*%REC*	1	11/8/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-73@3.5'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-07	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dibromo-3-chloropropane	ND	130	10		µg/Kg-dry	1	11/8/2023
1,2-Dibromoethane	ND	40	20		µg/Kg-dry	1	11/8/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,3,5-Trimethylbenzene	ND	130	100		µg/Kg-dry	1	11/8/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/8/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/8/2023
Acrylonitrile	ND	130	100		µg/Kg-dry	1	11/8/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/8/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/8/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/8/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/8/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Hexachloroethane	ND	130	0		µg/Kg-dry	1	11/8/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-73@3.5'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-07	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/8/2023
Methyl iodide	ND	660	100		µg/Kg-dry	1	11/8/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/8/2023
Methylene chloride	ND	330	100		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/8/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/8/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/8/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/8/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/8/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/8/2023
Surr: 1,2-Dichloroethane-d4	*86.5*	*80-120*			*%REC*	1	11/8/2023
Surr: 4-Bromofluorobenzene	*95.3*	*80-120*			*%REC*	1	11/8/2023
Surr: Dibromofluoromethane	*93.0*	*80-120*			*%REC*	1	11/8/2023
Surr: Toluene-d8	*97.5*	*80-120*			*%REC*	1	11/8/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**6.2**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-73@6.5'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-08	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/7/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/8/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/4/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**3.4**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	**2.8**	**2.0**	**2.0**		**mg/Kg-dry**	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.29	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.29	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**3.2**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/6/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/7/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/7/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/7/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/7/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/7/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Surr: 2-Fluorobiphenyl	*90.2*	*20-140*			*%REC*	1	11/7/2023
Surr: 4-Terphenyl-d14	*83.2*	*22-172*			*%REC*	1	11/7/2023
Surr: Nitrobenzene-d5	*99.6*	*28-140*			*%REC*	1	11/7/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-73@6.5'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-08	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/8/2023
1,2-Dibromoethane	ND	33	20		µg/Kg-dry	1	11/8/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/8/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/8/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/8/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/8/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/8/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/8/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/8/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/8/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/8/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-73@6.5'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-08	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/8/2023
Methyl iodide	ND	560	100		µg/Kg-dry	1	11/8/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/8/2023
Methylene chloride	ND	280	100		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/8/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/8/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/8/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/8/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/8/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/8/2023
Surr: 1,2-Dichloroethane-d4	*88.8*	*80-120*			*%REC*	1	11/8/2023
Surr: 4-Bromofluorobenzene	*97.7*	*80-120*			*%REC*	1	11/8/2023
Surr: Dibromofluoromethane	*88.1*	*80-120*			*%REC*	1	11/8/2023
Surr: Toluene-d8	*101*	*80-120*			*%REC*	1	11/8/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.0**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-75@3'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-09	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/7/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/8/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**11**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	**1.3**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.31	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.31	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**6.1**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/6/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/7/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/7/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/7/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/7/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/7/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Surr: 2-Fluorobiphenyl	*77.6*	*20-140*			*%REC*	1	11/7/2023
Surr: 4-Terphenyl-d14	*68.8*	*22-172*			*%REC*	1	11/7/2023
Surr: Nitrobenzene-d5	*84.4*	*28-140*			*%REC*	1	11/7/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **NTJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-75@3'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-09	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/8/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/8/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/8/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/8/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/8/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/8/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/8/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/8/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/8/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/8/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/8/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-75@3'
Work Order: 23110289 **Collection Date:** 11/1/2023
Project: Otwell - West State Street 20-393A
Lab ID: 23110289-09 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/8/2023
Methyl iodide	ND	560	100		µg/Kg-dry	1	11/8/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/8/2023
Methylene chloride	ND	280	100		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/8/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/8/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/8/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/8/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/8/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/8/2023
Surr: 1,2-Dichloroethane-d4	*121*	*80-120*		S	*%REC*	1	11/8/2023
Surr: 4-Bromofluorobenzene	*116*	*80-120*			*%REC*	1	11/8/2023
Surr: Dibromofluoromethane	*107*	*80-120*			*%REC*	1	11/8/2023
Surr: Toluene-d8	*91.4*	*80-120*			*%REC*	1	11/8/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**2.8**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-75@5'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-10	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/7/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/8/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**2.9**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.30	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.30	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**1.7**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/6/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/7/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/7/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/7/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/7/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/7/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Surr: 2-Fluorobiphenyl	*92.6*	*20-140*			*%REC*	1	11/7/2023
Surr: 4-Terphenyl-d14	*78.9*	*22-172*			*%REC*	1	11/7/2023
Surr: Nitrobenzene-d5	*100*	*28-140*			*%REC*	1	11/7/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-75@5'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-10	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/8/2023
1,2-Dibromoethane	ND	36	20		µg/Kg-dry	1	11/8/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/8/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/8/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/8/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/8/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/8/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/8/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/8/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/8/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/8/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-75@5'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-10	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/8/2023
Methyl iodide	ND	590	100		µg/Kg-dry	1	11/8/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/8/2023
Methylene chloride	ND	300	100		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/8/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/8/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/8/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/8/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/8/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/8/2023
Surr: 1,2-Dichloroethane-d4	*87.3*	*80-120*			*%REC*	1	11/8/2023
Surr: 4-Bromofluorobenzene	*94.9*	*80-120*			*%REC*	1	11/8/2023
Surr: Dibromofluoromethane	*95.3*	*80-120*			*%REC*	1	11/8/2023
Surr: Toluene-d8	*102*	*80-120*			*%REC*	1	11/8/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**2.8**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-76@4'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-11	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/7/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/8/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**1.4**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.28	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.28	0.10		mg/Kg-dry	1	11/8/2023
Zinc	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/6/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/7/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/7/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/7/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/7/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/7/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Surr: 2-Fluorobiphenyl	*92.7*	*20-140*			*%REC*	1	11/7/2023
Surr: 4-Terphenyl-d14	*81.5*	*22-172*			*%REC*	1	11/7/2023
Surr: Nitrobenzene-d5	*102*	*28-140*			*%REC*	1	11/7/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **NTJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-76@4'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-11	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/8/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/8/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/8/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/8/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/8/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/8/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/8/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/8/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/8/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/8/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/8/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-76@4'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-11	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/8/2023
Methyl iodide	ND	570	100		µg/Kg-dry	1	11/8/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/8/2023
Methylene chloride	ND	280	100		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/8/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/8/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/8/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/8/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/8/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/8/2023
Surr: 1,2-Dichloroethane-d4	*107*	*80-120*			*%REC*	1	11/8/2023
Surr: 4-Bromofluorobenzene	*98.5*	*80-120*			*%REC*	1	11/8/2023
Surr: Dibromofluoromethane	*98.4*	*80-120*			*%REC*	1	11/8/2023
Surr: Toluene-d8	*98.6*	*80-120*			*%REC*	1	11/8/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.7**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-76@6'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-12	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/7/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/8/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**2.9**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.29	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.29	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**1.8**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/6/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/7/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/7/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/7/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/7/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/7/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Surr: 2-Fluorobiphenyl	*92.8*	*20-140*			*%REC*	1	11/7/2023
Surr: 4-Terphenyl-d14	*81.3*	*22-172*			*%REC*	1	11/7/2023
Surr: Nitrobenzene-d5	*101*	*28-140*			*%REC*	1	11/7/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **NTJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-76@6'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-12	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/8/2023
1,2-Dibromoethane	ND	37	20		µg/Kg-dry	1	11/8/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/8/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/8/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/8/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/8/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/8/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/8/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/8/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/8/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/8/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-76@6'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-12	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/8/2023
Methyl iodide	ND	620	100		µg/Kg-dry	1	11/8/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/8/2023
Methylene chloride	ND	310	100		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/8/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/8/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/8/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/8/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/8/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/8/2023
Surr: 1,2-Dichloroethane-d4	*110*	*80-120*			*%REC*	1	11/8/2023
Surr: 4-Bromofluorobenzene	*97.6*	*80-120*			*%REC*	1	11/8/2023
Surr: Dibromofluoromethane	*98.7*	*80-120*			*%REC*	1	11/8/2023
Surr: Toluene-d8	*98.7*	*80-120*			*%REC*	1	11/8/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**2.4**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-77@3'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-13	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/7/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/8/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**4.4**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.32	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.32	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**1.0**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/6/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/7/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/7/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/7/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/7/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/7/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/7/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/7/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/7/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/7/2023
Surr: 2-Fluorobiphenyl	*84.9*	*20-140*			*%REC*	1	11/7/2023
Surr: 4-Terphenyl-d14	*75.8*	*22-172*			*%REC*	1	11/7/2023
Surr: Nitrobenzene-d5	*92.0*	*28-140*			*%REC*	1	11/7/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **NTJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-77@3'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-13	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/8/2023
1,2-Dibromoethane	ND	36	20		µg/Kg-dry	1	11/8/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/8/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/8/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/8/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/8/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/8/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/8/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/8/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/8/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/8/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-77@3'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-13	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/8/2023
Methyl iodide	ND	600	100		µg/Kg-dry	1	11/8/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/8/2023
Methylene chloride	ND	300	100		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/8/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/8/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/8/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/8/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/8/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/8/2023
Surr: 1,2-Dichloroethane-d4	*113*	*80-120*			*%REC*	1	11/8/2023
Surr: 4-Bromofluorobenzene	*99.2*	*80-120*			*%REC*	1	11/8/2023
Surr: Dibromofluoromethane	*104*	*80-120*			*%REC*	1	11/8/2023
Surr: Toluene-d8	*98.3*	*80-120*			*%REC*	1	11/8/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**2.7**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-77@5'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-14	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/7/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/8/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**2.2**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.32	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.32	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**5.0**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/6/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/8/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/8/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/8/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Surr: 2-Fluorobiphenyl	*82.2*	*20-140*			*%REC*	1	11/8/2023
Surr: 4-Terphenyl-d14	*71.3*	*22-172*			*%REC*	1	11/8/2023
Surr: Nitrobenzene-d5	*90.0*	*28-140*			*%REC*	1	11/8/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **NTJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-77@5'
Work Order: 23110289 **Collection Date:** 11/1/2023
Project: Otwell - West State Street 20-393A
Lab ID: 23110289-14 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/8/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/8/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/8/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/8/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/8/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/8/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/8/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/8/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/8/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/8/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/8/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-77@5'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-14	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/8/2023
Methyl iodide	ND	590	100		µg/Kg-dry	1	11/8/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/8/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/8/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/8/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/8/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/8/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/8/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/8/2023
Surr: 1,2-Dichloroethane-d4	*110*	*80-120*			*%REC*	1	11/8/2023
Surr: 4-Bromofluorobenzene	*97.9*	*80-120*			*%REC*	1	11/8/2023
Surr: Dibromofluoromethane	*98.1*	*80-120*			*%REC*	1	11/8/2023
Surr: Toluene-d8	*99.2*	*80-120*			*%REC*	1	11/8/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.4**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-78@2.5'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-15	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/7/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/8/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	**2.0**	**2.0**	**2.0**		**mg/Kg-dry**	1	11/8/2023
Barium	**280**	**3.0**	**1.0**		**mg/Kg-dry**	10	11/8/2023
Cadmium	**2.5**	**0.20**	**0.20**		**mg/Kg-dry**	1	11/8/2023
Chromium	**3.7**	**2.0**	**2.0**		**mg/Kg-dry**	1	11/8/2023
Copper	**34**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Lead	**290**	**10**	**10**		**mg/Kg-dry**	10	11/8/2023
Selenium	**0.69**	**0.30**	**0.20**		**mg/Kg-dry**	1	11/8/2023
Silver	ND	0.30	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**320**	**6.0**	**1.0**		**mg/Kg-dry**	10	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/7/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/8/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/8/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/8/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Surr: 2-Fluorobiphenyl	*84.9*	*20-140*			*%REC*	1	11/8/2023
Surr: 4-Terphenyl-d14	*78.8*	*22-172*			*%REC*	1	11/8/2023
Surr: Nitrobenzene-d5	*93.6*	*28-140*			*%REC*	1	11/8/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **NTJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-78@2.5'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-15	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/8/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/8/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/8/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/8/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/8/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/8/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/8/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/8/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/8/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/8/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/8/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-78@2.5'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-15	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/8/2023
Methyl iodide	ND	570	100		µg/Kg-dry	1	11/8/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/8/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/8/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/8/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/8/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/8/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/8/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/8/2023
Surr: 1,2-Dichloroethane-d4	*111*	*80-120*			*%REC*	1	11/8/2023
Surr: 4-Bromofluorobenzene	*98.1*	*80-120*			*%REC*	1	11/8/2023
Surr: Dibromofluoromethane	*100*	*80-120*			*%REC*	1	11/8/2023
Surr: Toluene-d8	*100*	*80-120*			*%REC*	1	11/8/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**2.5**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-78@4'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-16	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/7/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/8/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**1.7**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.31	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.31	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**4.8**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/7/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/8/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/8/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/8/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Surr: 2-Fluorobiphenyl	*92.8*	*20-140*			*%REC*	1	11/8/2023
Surr: 4-Terphenyl-d14	*90.1*	*22-172*			*%REC*	1	11/8/2023
Surr: Nitrobenzene-d5	*106*	*28-140*			*%REC*	1	11/8/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **NTJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-78@4'
Work Order: 23110289 **Collection Date:** 11/1/2023
Project: Otwell - West State Street 20-393A
Lab ID: 23110289-16 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/8/2023
1,2-Dibromoethane	ND	33	20		µg/Kg-dry	1	11/8/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/8/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/8/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/8/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/8/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/8/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/8/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/8/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/8/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/8/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-78@4'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-16	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/8/2023
Methyl iodide	ND	550	100		µg/Kg-dry	1	11/8/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/8/2023
Methylene chloride	ND	270	100		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/8/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/8/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/8/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/8/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/8/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/8/2023
Surr: 1,2-Dichloroethane-d4	*110*	*80-120*			*%REC*	1	11/8/2023
Surr: 4-Bromofluorobenzene	*95.7*	*80-120*			*%REC*	1	11/8/2023
Surr: Dibromofluoromethane	*99.5*	*80-120*			*%REC*	1	11/8/2023
Surr: Toluene-d8	*99.8*	*80-120*			*%REC*	1	11/8/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**1.4**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-89@2'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-17	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **NTJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/8/2023
1,2-Dibromoethane	ND	33	20		µg/Kg-dry	1	11/8/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/8/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/8/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/8/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/8/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/8/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/8/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/8/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-89@2'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-17	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/8/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/8/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/8/2023
Methyl iodide	ND	560	100		µg/Kg-dry	1	11/8/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/8/2023
Methylene chloride	ND	280	100		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/8/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/8/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/8/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/8/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/8/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/8/2023
Surr: 1,2-Dichloroethane-d4	*108*	*80-120*			*%REC*	1	11/8/2023
Surr: 4-Bromofluorobenzene	*98.8*	*80-120*			*%REC*	1	11/8/2023
Surr: Dibromofluoromethane	*101*	*80-120*			*%REC*	1	11/8/2023
Surr: Toluene-d8	*99.4*	*80-120*			*%REC*	1	11/8/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.3**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-89@4'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-18	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **NTJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/8/2023
1,2-Dibromoethane	ND	32	20		µg/Kg-dry	1	11/8/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/8/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/8/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/8/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/8/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/8/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/8/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/8/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-89@4'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-18	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/8/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/8/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/8/2023
Methyl iodide	ND	530	100		µg/Kg-dry	1	11/8/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/8/2023
Methylene chloride	ND	270	100		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/8/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/8/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/8/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/8/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/8/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/8/2023
Surr: 1,2-Dichloroethane-d4	*110*	*80-120*			*%REC*	1	11/8/2023
Surr: 4-Bromofluorobenzene	*98.1*	*80-120*			*%REC*	1	11/8/2023
Surr: Dibromofluoromethane	*99.6*	*80-120*			*%REC*	1	11/8/2023
Surr: Toluene-d8	*98.1*	*80-120*			*%REC*	1	11/8/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.8**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-89@7'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-19	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **NTJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/8/2023
1,2-Dibromoethane	ND	36	20		µg/Kg-dry	1	11/8/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/8/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/8/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/8/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/8/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/8/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/8/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/8/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-89@7'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-19	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/8/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/8/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/8/2023
Methyl iodide	ND	590	100		µg/Kg-dry	1	11/8/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/8/2023
Methylene chloride	ND	300	100		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/8/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/8/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/8/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/8/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/8/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/8/2023
Surr: 1,2-Dichloroethane-d4	*105*	*80-120*			*%REC*	1	11/8/2023
Surr: 4-Bromofluorobenzene	*95.1*	*80-120*			*%REC*	1	11/8/2023
Surr: Dibromofluoromethane	*96.1*	*80-120*			*%REC*	1	11/8/2023
Surr: Toluene-d8	*98.5*	*80-120*			*%REC*	1	11/8/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.7**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-89@9'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-20	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **NTJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/8/2023
1,2-Dibromoethane	ND	37	20		µg/Kg-dry	1	11/8/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/8/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/8/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/8/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/8/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/8/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/8/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/8/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/8/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/8/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/8/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/8/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-89@9'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-20	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/8/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/8/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/8/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/8/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/8/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/8/2023
Methyl iodide	ND	610	100		µg/Kg-dry	1	11/8/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/8/2023
Methylene chloride	ND	300	100		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/8/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/8/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/8/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/8/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/8/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/8/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/8/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/8/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/8/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/8/2023
Surr: 1,2-Dichloroethane-d4	*107*	*80-120*			*%REC*	1	11/8/2023
Surr: 4-Bromofluorobenzene	*96.1*	*80-120*			*%REC*	1	11/8/2023
Surr: Dibromofluoromethane	*99.9*	*80-120*			*%REC*	1	11/8/2023
Surr: Toluene-d8	*98.4*	*80-120*			*%REC*	1	11/8/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.0**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-89@12'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-21	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	37	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-89@12'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-21	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	620	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	310	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*102*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*92.9*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*84.2*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*95.6*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.3**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-89@14'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-22	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-89@14'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-22	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	570	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	280	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*100*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*95.5*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*82.4*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*96.9*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.4**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-89@16'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-23	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-89@16'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-23	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	580	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*103*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*97.7*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*93.9*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*99.7*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.2**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-89@18'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-24	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	36	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-89@18'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-24	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	600	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	300	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*104*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*96.1*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*95.1*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*101*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**13**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-90@2'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-25	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-90@2'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-25	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	570	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	280	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*103*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*95.3*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*85.9*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*97.2*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**2.9**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-90@4'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-26	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-90@4'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-26	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	580	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*103*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*97.3*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*82.7*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*99.7*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.3**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-90@6'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-27	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-90@6'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-27	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	580	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*102*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*94.9*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*91.0*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*100*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**5.7**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-90@8'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-28	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/4/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	130	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	38	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	130	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	130	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-90@8'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-28	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	130	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	640	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	320	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*98.2*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*97.5*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*88.0*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*99.8*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**8.0**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-90@10'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-29	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-90@10'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-29	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	570	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*100*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*94.0*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*81.0*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*96.2*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.0**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-90@12'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-30	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-90@12'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-30	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	580	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*103*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*94.8*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*83.2*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*96.6*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.2**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-90@14'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-31	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	36	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-90@14'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-31	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	600	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	300	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*104*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*96.0*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*87.1*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*97.5*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**7.0**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-90@16'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-32	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	37	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-90@16'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-32	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	620	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	310	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*103*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*96.6*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*89.8*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*99.9*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**14**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-91@1'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-33	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	51	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	51	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	51	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	51	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	51	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	170	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	51	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	51	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	51	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	170	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	170	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	51	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	51	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	51	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	51	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	51	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	51	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-91@1'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-33	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	51	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	170	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	850	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	430	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	51	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	51	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	51	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	51	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	51	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	51	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	51	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	51	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*99.3*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*92.3*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*81.1*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*97.6*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**1.7**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-91@3'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-34	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-91@3'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-34	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	580	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*98.1*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*91.8*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*82.4*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*95.6*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.1**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-91@5'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-35	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	33	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-91@5'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-35	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	550	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	280	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*106*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*95.7*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*94.7*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*97.0*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.5**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-91@7'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-36	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	130	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	38	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	130	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	130	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-91@7'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-36	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	130	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	630	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	310	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*106*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*97.8*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*91.8*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*101*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**5.3**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-91@9'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-37	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/12/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/12/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/12/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/12/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/12/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
1,2-Dibromo-3-chloropropane	ND	140	10		µg/Kg-dry	1	11/12/2023
1,2-Dibromoethane	ND	42	20		µg/Kg-dry	1	11/12/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,3,5-Trimethylbenzene	ND	140	100		µg/Kg-dry	1	11/12/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/12/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/12/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/12/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/12/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/12/2023
Acrylonitrile	ND	140	100		µg/Kg-dry	1	11/12/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/12/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/12/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/12/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/12/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/12/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/12/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/12/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/12/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/12/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/12/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/12/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/12/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/12/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-91@9'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-37	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/12/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/12/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/12/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/12/2023
Hexachloroethane	ND	140	0		µg/Kg-dry	1	11/12/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/12/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/12/2023
Methyl iodide	ND	700	100		µg/Kg-dry	1	11/12/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/12/2023
Methylene chloride	ND	350	100		µg/Kg-dry	1	11/12/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/12/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/12/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/12/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/12/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/12/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/12/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/12/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/12/2023
Vinyl chloride	ND	42	40		µg/Kg-dry	1	11/12/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/12/2023
Surr: 1,2-Dichloroethane-d4	*109*	*80-120*			*%REC*	1	11/12/2023
Surr: 4-Bromofluorobenzene	*92.5*	*80-120*			*%REC*	1	11/12/2023
Surr: Dibromofluoromethane	*101*	*80-120*			*%REC*	1	11/12/2023
Surr: Toluene-d8	*97.7*	*80-120*			*%REC*	1	11/12/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**7.0**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-91@11'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-38	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-91@11'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-38	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	580	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*102*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*96.0*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*83.7*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*96.3*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.6**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-91@14'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-39	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-91@14'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-39	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	580	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*107*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*94.9*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*89.7*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*100*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.2**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-91@17'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-40	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/12/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/12/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/12/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/12/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/12/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
1,2-Dibromo-3-chloropropane	ND	140	10		µg/Kg-dry	1	11/12/2023
1,2-Dibromoethane	ND	42	20		µg/Kg-dry	1	11/12/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,3,5-Trimethylbenzene	ND	140	100		µg/Kg-dry	1	11/12/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/12/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/12/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/12/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/12/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/12/2023
Acrylonitrile	ND	140	100		µg/Kg-dry	1	11/12/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/12/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/12/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/12/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/12/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/12/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/12/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/12/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/12/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/12/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/12/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/12/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/12/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/12/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-91@17'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-40	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/12/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/12/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/12/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/12/2023
Hexachloroethane	ND	140	0		µg/Kg-dry	1	11/12/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/12/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/12/2023
Methyl iodide	ND	700	100		µg/Kg-dry	1	11/12/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/12/2023
Methylene chloride	ND	350	100		µg/Kg-dry	1	11/12/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/12/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/12/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/12/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/12/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/12/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/12/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/12/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/12/2023
Vinyl chloride	ND	42	40		µg/Kg-dry	1	11/12/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/12/2023
Surr: 1,2-Dichloroethane-d4	*106*	*80-120*			*%REC*	1	11/12/2023
Surr: 4-Bromofluorobenzene	*92.3*	*80-120*			*%REC*	1	11/12/2023
Surr: Dibromofluoromethane	*104*	*80-120*			*%REC*	1	11/12/2023
Surr: Toluene-d8	*101*	*80-120*			*%REC*	1	11/12/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**16**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-92@3'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-41	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **BAM**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/9/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/9/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/9/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/9/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/9/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/9/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/9/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/9/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-92@3'
Work Order: 23110289 **Collection Date:** 10/31/2023
Project: Otwell - West State Street 20-393A
Lab ID: 23110289-41 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/9/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/9/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/9/2023
Methyl iodide	ND	590	100		µg/Kg-dry	1	11/9/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/9/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/9/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/9/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/9/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/9/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/9/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/9/2023
Surr: 1,2-Dichloroethane-d4	*98.6*	*80-120*			*%REC*	1	11/9/2023
Surr: 4-Bromofluorobenzene	*97.3*	*80-120*			*%REC*	1	11/9/2023
Surr: Dibromofluoromethane	*83.8*	*80-120*			*%REC*	1	11/9/2023
Surr: Toluene-d8	*95.2*	*80-120*			*%REC*	1	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.4**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-92@5'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-42	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **BAM**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/9/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/9/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/9/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/9/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/9/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/9/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/9/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/9/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-92@5'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-42	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/9/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/9/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/9/2023
Methyl iodide	ND	580	100		µg/Kg-dry	1	11/9/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/9/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/9/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/9/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/9/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/9/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/9/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/9/2023
Surr: 1,2-Dichloroethane-d4	*102*	*80-120*			*%REC*	1	11/9/2023
Surr: 4-Bromofluorobenzene	*93.9*	*80-120*			*%REC*	1	11/9/2023
Surr: Dibromofluoromethane	*84.3*	*80-120*			*%REC*	1	11/9/2023
Surr: Toluene-d8	*97.4*	*80-120*			*%REC*	1	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.4**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-92@7'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-43	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **BAM**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/9/2023
1,2-Dibromoethane	ND	37	20		µg/Kg-dry	1	11/9/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/9/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/9/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/9/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/9/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/9/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/9/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-92@7'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-43	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/9/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/9/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/9/2023
Methyl iodide	ND	620	100		µg/Kg-dry	1	11/9/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/9/2023
Methylene chloride	ND	310	100		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/9/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/9/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/9/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/9/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/9/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/9/2023
Surr: 1,2-Dichloroethane-d4	*99.6*	*80-120*			*%REC*	1	11/9/2023
Surr: 4-Bromofluorobenzene	*95.5*	*80-120*			*%REC*	1	11/9/2023
Surr: Dibromofluoromethane	*80.6*	*80-120*			*%REC*	1	11/9/2023
Surr: Toluene-d8	*97.0*	*80-120*			*%REC*	1	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**6.9**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-92@9'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-44	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **BAM**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/9/2023
1,2-Dibromoethane	ND	36	20		µg/Kg-dry	1	11/9/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/9/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/9/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/9/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/9/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/9/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/9/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-92@9'
Work Order: 23110289 **Collection Date:** 10/31/2023
Project: Otwell - West State Street 20-393A
Lab ID: 23110289-44 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/9/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/9/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/9/2023
Methyl iodide	ND	590	100		µg/Kg-dry	1	11/9/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/9/2023
Methylene chloride	ND	300	100		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/9/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/9/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/9/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/9/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/9/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/9/2023
Surr: 1,2-Dichloroethane-d4	*102*	*80-120*			*%REC*	1	11/9/2023
Surr: 4-Bromofluorobenzene	*93.7*	*80-120*			*%REC*	1	11/9/2023
Surr: Dibromofluoromethane	*85.6*	*80-120*			*%REC*	1	11/9/2023
Surr: Toluene-d8	*97.5*	*80-120*			*%REC*	1	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**6.7**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-92@11'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-45	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **BAM**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/9/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/9/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/9/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/9/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/9/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/9/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/9/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/9/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-92@11'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-45	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/9/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/9/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/9/2023
Methyl iodide	ND	590	100		µg/Kg-dry	1	11/9/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/9/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/9/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/9/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/9/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/9/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/9/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/9/2023
Surr: 1,2-Dichloroethane-d4	*101*	*80-120*			*%REC*	1	11/9/2023
Surr: 4-Bromofluorobenzene	*93.0*	*80-120*			*%REC*	1	11/9/2023
Surr: Dibromofluoromethane	*82.6*	*80-120*			*%REC*	1	11/9/2023
Surr: Toluene-d8	*95.7*	*80-120*			*%REC*	1	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.6**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-92@13'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-46	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **BAM**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/9/2023
1,2-Dibromoethane	ND	36	20		µg/Kg-dry	1	11/9/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/9/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/9/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/9/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/9/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/9/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/9/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-92@13'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-46	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/9/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/9/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/9/2023
Methyl iodide	ND	600	100		µg/Kg-dry	1	11/9/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/9/2023
Methylene chloride	ND	300	100		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/9/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/9/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/9/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/9/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/9/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/9/2023
Surr: 1,2-Dichloroethane-d4	*101*	*80-120*			*%REC*	1	11/9/2023
Surr: 4-Bromofluorobenzene	*93.4*	*80-120*			*%REC*	1	11/9/2023
Surr: Dibromofluoromethane	*81.2*	*80-120*			*%REC*	1	11/9/2023
Surr: Toluene-d8	*98.5*	*80-120*			*%REC*	1	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**5.3**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-92@15'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-47	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-92@15'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-47	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	570	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*105*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*97.1*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*88.1*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*102*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.0**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-92@17'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-48	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **BAM**
1,1,1,2-Tetrachloroethane	ND	370	100		µg/Kg-dry	10	11/9/2023
1,1,1-Trichloroethane	ND	370	50		µg/Kg-dry	10	11/9/2023
1,1,2,2-Tetrachloroethane	ND	370	50		µg/Kg-dry	10	11/9/2023
1,1,2-Trichloroethane	ND	370	50		µg/Kg-dry	10	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	370	250		µg/Kg-dry	10	11/9/2023
1,1-Dichloroethane	ND	370	50		µg/Kg-dry	10	11/9/2023
1,1-Dichloroethene	ND	370	50		µg/Kg-dry	10	11/9/2023
1,2,3-Trichloropropane	ND	370	100		µg/Kg-dry	10	11/9/2023
1,2,3-Trimethylbenzene	**520**	**370**	**250**		**µg/Kg-dry**	10	11/9/2023
1,2,4-Trichlorobenzene	ND	1,200	250		µg/Kg-dry	10	11/9/2023
1,2,4-Trimethylbenzene	**460**	**370**	**100**		**µg/Kg-dry**	10	11/9/2023
1,2-Dibromo-3-chloropropane	ND	1,200	10		µg/Kg-dry	10	11/9/2023
1,2-Dibromoethane	ND	370	20		µg/Kg-dry	10	11/9/2023
1,2-Dichlorobenzene	ND	370	100		µg/Kg-dry	10	11/9/2023
1,2-Dichloroethane	ND	370	50		µg/Kg-dry	10	11/9/2023
1,2-Dichloropropane	ND	370	50		µg/Kg-dry	10	11/9/2023
1,3,5-Trimethylbenzene	ND	1,200	100		µg/Kg-dry	10	11/9/2023
1,3-Dichlorobenzene	ND	370	100		µg/Kg-dry	10	11/9/2023
1,4-Dichlorobenzene	ND	370	100		µg/Kg-dry	10	11/9/2023
2-Butanone	ND	2,500	750		µg/Kg-dry	10	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	10	11/9/2023
2-Methylnaphthalene	ND	1,200	330		µg/Kg-dry	10	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	10	11/9/2023
Acetone	ND	1,200	1,000		µg/Kg-dry	10	11/9/2023
Acrylonitrile	ND	1,200	100		µg/Kg-dry	10	11/9/2023
Benzene	ND	370	50		µg/Kg-dry	10	11/9/2023
Bromochloromethane	ND	370	100		µg/Kg-dry	10	11/9/2023
Bromodichloromethane	ND	370	100		µg/Kg-dry	10	11/9/2023
Bromoform	ND	370	100		µg/Kg-dry	10	11/9/2023
Bromomethane	ND	1,200	200		µg/Kg-dry	10	11/9/2023
Carbon disulfide	ND	370	250		µg/Kg-dry	10	11/9/2023
Carbon tetrachloride	ND	370	50		µg/Kg-dry	10	11/9/2023
Chlorobenzene	ND	370	50		µg/Kg-dry	10	11/9/2023
Chloroethane	ND	1,200	250		µg/Kg-dry	10	11/9/2023
Chloroform	ND	370	50		µg/Kg-dry	10	11/9/2023
Chloromethane	ND	1,200	250		µg/Kg-dry	10	11/9/2023
cis-1,2-Dichloroethene	ND	370	50		µg/Kg-dry	10	11/9/2023
cis-1,3-Dichloropropene	ND	370	50		µg/Kg-dry	10	11/9/2023
Dibromochloromethane	ND	370	100		µg/Kg-dry	10	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-92@17'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-48	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	370	250		µg/Kg-dry	10	11/9/2023
Dichlorodifluoromethane	ND	1,200	250		µg/Kg-dry	10	11/9/2023
Diethyl ether	ND	370	200		µg/Kg-dry	10	11/9/2023
Ethylbenzene	ND	370	50		µg/Kg-dry	10	11/9/2023
Hexachloroethane	ND	1,200	0		µg/Kg-dry	10	11/9/2023
Isopropylbenzene	ND	370	250		µg/Kg-dry	10	11/9/2023
m,p-Xylene	ND	750	100		µg/Kg-dry	10	11/9/2023
Methyl iodide	ND	6,200	100		µg/Kg-dry	10	11/9/2023
Methyl tert-butyl ether	ND	370	250		µg/Kg-dry	10	11/9/2023
Methylene chloride	ND	3,100	100		µg/Kg-dry	10	11/9/2023
Naphthalene	ND	1,200	330		µg/Kg-dry	10	11/9/2023
n-Propylbenzene	ND	370	100		µg/Kg-dry	10	11/9/2023
o-Xylene	ND	370	50		µg/Kg-dry	10	11/9/2023
Styrene	ND	370	50		µg/Kg-dry	10	11/9/2023
Tetrachloroethene	ND	370	50		µg/Kg-dry	10	11/9/2023
Toluene	ND	370	100		µg/Kg-dry	10	11/9/2023
trans-1,2-Dichloroethene	ND	370	50		µg/Kg-dry	10	11/9/2023
trans-1,3-Dichloropropene	ND	370	50		µg/Kg-dry	10	11/9/2023
trans-1,4-Dichloro-2-butene	ND	370	50		µg/Kg-dry	10	11/9/2023
Trichloroethene	ND	370	50		µg/Kg-dry	10	11/9/2023
Trichlorofluoromethane	ND	370	100		µg/Kg-dry	10	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	10	11/9/2023
Vinyl chloride	ND	370	40		µg/Kg-dry	10	11/9/2023
Xylenes, Total	ND	1,100	150		µg/Kg-dry	10	11/9/2023
Surr: 1,2-Dichloroethane-d4	*106*	*80-120*			*%REC*	10	11/9/2023
Surr: 4-Bromofluorobenzene	*93.0*	*80-120*			*%REC*	10	11/9/2023
Surr: Dibromofluoromethane	*95.3*	*80-120*			*%REC*	10	11/9/2023
Surr: Toluene-d8	*100*	*80-120*			*%REC*	10	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**13**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-93@2'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-49	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/9/2023
1,2-Dibromoethane	ND	36	20		µg/Kg-dry	1	11/9/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/9/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/9/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/9/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/9/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/9/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/9/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-93@2'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-49	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/9/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/9/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/9/2023
Methyl iodide	ND	600	100		µg/Kg-dry	1	11/9/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/9/2023
Methylene chloride	ND	300	100		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/9/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/9/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/9/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/9/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/9/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/9/2023
Surr: 1,2-Dichloroethane-d4	*101*	*80-120*			*%REC*	1	11/9/2023
Surr: 4-Bromofluorobenzene	*95.8*	*80-120*			*%REC*	1	11/9/2023
Surr: Dibromofluoromethane	*93.9*	*80-120*			*%REC*	1	11/9/2023
Surr: Toluene-d8	*99.9*	*80-120*			*%REC*	1	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**2.2**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-93@4'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-50	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/9/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/9/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/9/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/9/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/9/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/9/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/9/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/9/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-93@4'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-50	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/9/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/9/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/9/2023
Methyl iodide	ND	570	100		µg/Kg-dry	1	11/9/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/9/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/9/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/9/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/9/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/9/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/9/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/9/2023
Surr: 1,2-Dichloroethane-d4	*104*	*80-120*			*%REC*	1	11/9/2023
Surr: 4-Bromofluorobenzene	*96.1*	*80-120*			*%REC*	1	11/9/2023
Surr: Dibromofluoromethane	*94.2*	*80-120*			*%REC*	1	11/9/2023
Surr: Toluene-d8	*98.6*	*80-120*			*%REC*	1	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.0**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-93@6'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-51	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/9/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/9/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/9/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/9/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/9/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/9/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/9/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/9/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-93@6'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-51	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/9/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/9/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/9/2023
Methyl iodide	ND	580	100		µg/Kg-dry	1	11/9/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/9/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/9/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/9/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/9/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/9/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/9/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/9/2023
Surr: 1,2-Dichloroethane-d4	*101*	*80-120*			*%REC*	1	11/9/2023
Surr: 4-Bromofluorobenzene	*98.0*	*80-120*			*%REC*	1	11/9/2023
Surr: Dibromofluoromethane	*88.0*	*80-120*			*%REC*	1	11/9/2023
Surr: Toluene-d8	*100*	*80-120*			*%REC*	1	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**5.1**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-93@8'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-52	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/9/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/9/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/9/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/9/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/9/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/9/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/9/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/9/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-93@8'
Work Order: 23110289 **Collection Date:** 10/31/2023
Project: Otwell - West State Street 20-393A
Lab ID: 23110289-52 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/9/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/9/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/9/2023
Methyl iodide	ND	570	100		µg/Kg-dry	1	11/9/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/9/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/9/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/9/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/9/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/9/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/9/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/9/2023
Surr: 1,2-Dichloroethane-d4	*103*	*80-120*			*%REC*	1	11/9/2023
Surr: 4-Bromofluorobenzene	*96.8*	*80-120*			*%REC*	1	11/9/2023
Surr: Dibromofluoromethane	*91.0*	*80-120*			*%REC*	1	11/9/2023
Surr: Toluene-d8	*99.6*	*80-120*			*%REC*	1	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.7**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-93@10'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-53	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/9/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/9/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/9/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/9/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/9/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/9/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/9/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/9/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-93@10'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-53	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/9/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/9/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/9/2023
Methyl iodide	ND	590	100		µg/Kg-dry	1	11/9/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/9/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/9/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/9/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/9/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/9/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/9/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/9/2023
Surr: 1,2-Dichloroethane-d4	*104*	*80-120*			*%REC*	1	11/9/2023
Surr: 4-Bromofluorobenzene	*99.2*	*80-120*			*%REC*	1	11/9/2023
Surr: Dibromofluoromethane	*88.2*	*80-120*			*%REC*	1	11/9/2023
Surr: Toluene-d8	*99.9*	*80-120*			*%REC*	1	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**6.9**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-93@12'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-54	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/9/2023
1,2-Dibromoethane	ND	36	20		µg/Kg-dry	1	11/9/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/9/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/9/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/9/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/9/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/9/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/9/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-93@12'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-54	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/9/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/9/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/9/2023
Methyl iodide	ND	600	100		µg/Kg-dry	1	11/9/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/9/2023
Methylene chloride	ND	300	100		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/9/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/9/2023
Tetrachloroethene	**150**	**50**	**50**		**µg/Kg-dry**	1	11/9/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/9/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/9/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/9/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/9/2023
Surr: 1,2-Dichloroethane-d4	*105*	*80-120*			*%REC*	1	11/9/2023
Surr: 4-Bromofluorobenzene	*97.7*	*80-120*			*%REC*	1	11/9/2023
Surr: Dibromofluoromethane	*95.1*	*80-120*			*%REC*	1	11/9/2023
Surr: Toluene-d8	*98.6*	*80-120*			*%REC*	1	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**6.3**	**0.10**	**0**		**% of sample**	1	11/3/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-93@14'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-55	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dibromo-3-chloropropane	ND	130	10		µg/Kg-dry	1	11/9/2023
1,2-Dibromoethane	ND	39	20		µg/Kg-dry	1	11/9/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,3,5-Trimethylbenzene	ND	130	100		µg/Kg-dry	1	11/9/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/9/2023
Acrylonitrile	ND	130	100		µg/Kg-dry	1	11/9/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/9/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/9/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/9/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-93@14'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-55	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/9/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Hexachloroethane	ND	130	0		µg/Kg-dry	1	11/9/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/9/2023
Methyl iodide	ND	650	100		µg/Kg-dry	1	11/9/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/9/2023
Methylene chloride	ND	320	100		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/9/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/9/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/9/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/9/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/9/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/9/2023
Surr: 1,2-Dichloroethane-d4	*102*	*80-120*			*%REC*	1	11/9/2023
Surr: 4-Bromofluorobenzene	*98.7*	*80-120*			*%REC*	1	11/9/2023
Surr: Dibromofluoromethane	*93.2*	*80-120*			*%REC*	1	11/9/2023
Surr: Toluene-d8	*99.8*	*80-120*			*%REC*	1	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**8.1**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-93@16'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-56	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/9/2023
1,2-Dibromoethane	ND	37	20		µg/Kg-dry	1	11/9/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/9/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/9/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/9/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/9/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/9/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/9/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-93@16'
Work Order: 23110289 **Collection Date:** 10/31/2023
Project: Otwell - West State Street 20-393A
Lab ID: 23110289-56 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/9/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/9/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/9/2023
Methyl iodide	ND	620	100		µg/Kg-dry	1	11/9/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/9/2023
Methylene chloride	ND	310	100		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/9/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/9/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/9/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/9/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/9/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/9/2023
Surr: 1,2-Dichloroethane-d4	*99.2*	*80-120*			*%REC*	1	11/9/2023
Surr: 4-Bromofluorobenzene	*96.3*	*80-120*			*%REC*	1	11/9/2023
Surr: Dibromofluoromethane	*91.3*	*80-120*			*%REC*	1	11/9/2023
Surr: Toluene-d8	*99.0*	*80-120*			*%REC*	1	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**15**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-94@3'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-57	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/9/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/9/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/9/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/9/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/9/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/9/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/9/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/9/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-94@3'
Work Order: 23110289 **Collection Date:** 10/31/2023
Project: Otwell - West State Street 20-393A
Lab ID: 23110289-57 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/9/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/9/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/9/2023
Methyl iodide	ND	590	100		µg/Kg-dry	1	11/9/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/9/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/9/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/9/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/9/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/9/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/9/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/9/2023
Surr: 1,2-Dichloroethane-d4	*105*	*80-120*			*%REC*	1	11/9/2023
Surr: 4-Bromofluorobenzene	*97.0*	*80-120*			*%REC*	1	11/9/2023
Surr: Dibromofluoromethane	*90.5*	*80-120*			*%REC*	1	11/9/2023
Surr: Toluene-d8	*102*	*80-120*			*%REC*	1	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.6**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-94@5'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-58	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/9/2023
1,2-Dibromoethane	ND	36	20		µg/Kg-dry	1	11/9/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/9/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/9/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/9/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/9/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/9/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/9/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-94@5'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-58	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/9/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/9/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/9/2023
Methyl iodide	ND	600	100		µg/Kg-dry	1	11/9/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/9/2023
Methylene chloride	ND	300	100		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/9/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/9/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/9/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/9/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/9/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/9/2023
Surr: 1,2-Dichloroethane-d4	*104*	*80-120*			*%REC*	1	11/9/2023
Surr: 4-Bromofluorobenzene	*98.9*	*80-120*			*%REC*	1	11/9/2023
Surr: Dibromofluoromethane	*89.2*	*80-120*			*%REC*	1	11/9/2023
Surr: Toluene-d8	*101*	*80-120*			*%REC*	1	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.4**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-94@7'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-59	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/9/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/9/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/9/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/9/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/9/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/9/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/9/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/9/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-94@7'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-59	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/9/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/9/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/9/2023
Methyl iodide	ND	570	100		µg/Kg-dry	1	11/9/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/9/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/9/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/9/2023
Tetrachloroethene	**51**	**50**	**50**		**µg/Kg-dry**	1	11/9/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/9/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/9/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/9/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/9/2023
Surr: 1,2-Dichloroethane-d4	*105*	*80-120*			*%REC*	1	11/9/2023
Surr: 4-Bromofluorobenzene	*91.4*	*80-120*			*%REC*	1	11/9/2023
Surr: Dibromofluoromethane	*90.9*	*80-120*			*%REC*	1	11/9/2023
Surr: Toluene-d8	*103*	*80-120*			*%REC*	1	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**5.4**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-94@9'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-60	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/9/2023
1,2-Dibromoethane	ND	36	20		µg/Kg-dry	1	11/9/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/9/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/9/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/9/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/9/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/9/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/9/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-94@9'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-60	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/9/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/9/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/9/2023
Methyl iodide	ND	600	100		µg/Kg-dry	1	11/9/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/9/2023
Methylene chloride	ND	300	100		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/9/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/9/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/9/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/9/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/9/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/9/2023
Surr: 1,2-Dichloroethane-d4	*107*	*80-120*			*%REC*	1	11/9/2023
Surr: 4-Bromofluorobenzene	*95.8*	*80-120*			*%REC*	1	11/9/2023
Surr: Dibromofluoromethane	*93.4*	*80-120*			*%REC*	1	11/9/2023
Surr: Toluene-d8	*99.4*	*80-120*			*%REC*	1	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**6.9**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-94@11'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-61	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dibromo-3-chloropropane	ND	130	10		µg/Kg-dry	1	11/9/2023
1,2-Dibromoethane	ND	38	20		µg/Kg-dry	1	11/9/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,3,5-Trimethylbenzene	ND	130	100		µg/Kg-dry	1	11/9/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/9/2023
Acrylonitrile	ND	130	100		µg/Kg-dry	1	11/9/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/9/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/9/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/9/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-94@11'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-61	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/9/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Hexachloroethane	ND	130	0		µg/Kg-dry	1	11/9/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/9/2023
Methyl iodide	ND	640	100		µg/Kg-dry	1	11/9/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/9/2023
Methylene chloride	ND	320	100		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/9/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/9/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/9/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/9/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/9/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/9/2023
Surr: 1,2-Dichloroethane-d4	*104*	*80-120*			*%REC*	1	11/9/2023
Surr: 4-Bromofluorobenzene	*97.6*	*80-120*			*%REC*	1	11/9/2023
Surr: Dibromofluoromethane	*88.4*	*80-120*			*%REC*	1	11/9/2023
Surr: Toluene-d8	*98.1*	*80-120*			*%REC*	1	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**6.9**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-94@13'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-62	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/9/2023
1,2-Dibromoethane	ND	36	20		µg/Kg-dry	1	11/9/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/9/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/9/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/9/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/9/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/9/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/9/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-94@13'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-62	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/9/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/9/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/9/2023
Methyl iodide	ND	600	100		µg/Kg-dry	1	11/9/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/9/2023
Methylene chloride	ND	300	100		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/9/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/9/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/9/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/9/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/9/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/9/2023
Surr: 1,2-Dichloroethane-d4	*103*	*80-120*			*%REC*	1	11/9/2023
Surr: 4-Bromofluorobenzene	*98.2*	*80-120*			*%REC*	1	11/9/2023
Surr: Dibromofluoromethane	*91.3*	*80-120*			*%REC*	1	11/9/2023
Surr: Toluene-d8	*98.5*	*80-120*			*%REC*	1	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.9**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-94@15'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-63	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/9/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/9/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/9/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/9/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/9/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/9/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/9/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/9/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-94@15'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-63	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/9/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/9/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/9/2023
Methyl iodide	ND	580	100		µg/Kg-dry	1	11/9/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/9/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/9/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/9/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/9/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/9/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/9/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/9/2023
Surr: 1,2-Dichloroethane-d4	*106*	*80-120*			*%REC*	1	11/9/2023
Surr: 4-Bromofluorobenzene	*95.7*	*80-120*			*%REC*	1	11/9/2023
Surr: Dibromofluoromethane	*94.8*	*80-120*			*%REC*	1	11/9/2023
Surr: Toluene-d8	*98.7*	*80-120*			*%REC*	1	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**9.2**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-94@17'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-64	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dibromo-3-chloropropane	ND	150	10		µg/Kg-dry	1	11/9/2023
1,2-Dibromoethane	ND	44	20		µg/Kg-dry	1	11/9/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/9/2023
1,3,5-Trimethylbenzene	ND	150	100		µg/Kg-dry	1	11/9/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/9/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/9/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/9/2023
Acrylonitrile	ND	150	100		µg/Kg-dry	1	11/9/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/9/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/9/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/9/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/9/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/9/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/9/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-94@17'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-64	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/9/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/9/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/9/2023
Hexachloroethane	ND	150	0		µg/Kg-dry	1	11/9/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/9/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/9/2023
Methyl iodide	ND	730	100		µg/Kg-dry	1	11/9/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/9/2023
Methylene chloride	ND	360	100		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/9/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/9/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/9/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/9/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/9/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/9/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/9/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/9/2023
Vinyl chloride	ND	44	40		µg/Kg-dry	1	11/9/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/9/2023
Surr: 1,2-Dichloroethane-d4	*102*	*80-120*			*%REC*	1	11/9/2023
Surr: 4-Bromofluorobenzene	*96.6*	*80-120*			*%REC*	1	11/9/2023
Surr: Dibromofluoromethane	*94.9*	*80-120*			*%REC*	1	11/9/2023
Surr: Toluene-d8	*102*	*80-120*			*%REC*	1	11/9/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**15**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-95@2'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-65	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-95@2'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-65	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	580	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*103*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*99.0*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*93.4*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*99.1*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**2.8**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-95@4'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-66	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-95@4'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-66	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	580	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*105*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*98.1*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*90.8*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*102*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**2.9**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-95@6'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-67	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	130	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	38	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	130	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	130	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-95@6'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-67	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	130	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	630	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	320	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*101*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*95.9*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*90.7*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*99.4*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**6.7**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-95@8'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-68	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	130	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	39	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	130	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	130	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-95@8'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-68	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	130	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	650	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	330	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*104*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*96.0*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*95.0*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*99.5*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**6.7**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-95@10'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-69	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	130	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	38	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	130	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	130	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-95@10'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-69	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	130	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	640	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	320	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*108*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*92.7*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*92.0*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*97.8*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**5.8**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-95@12'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-70	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	37	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-95@12'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-70	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	620	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	310	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*103*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*96.9*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*89.3*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*99.0*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.4**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-95@14'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-71	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-95@14'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-71	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	590	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*102*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*91.8*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*90.1*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*96.9*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.1**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-95@18'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-72	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	330	100		µg/Kg-dry	10	11/11/2023
1,1,1-Trichloroethane	ND	330	50		µg/Kg-dry	10	11/11/2023
1,1,2,2-Tetrachloroethane	ND	330	50		µg/Kg-dry	10	11/11/2023
1,1,2-Trichloroethane	ND	330	50		µg/Kg-dry	10	11/11/2023
1,1,2-Trichlorotrifluoroethane	ND	330	250		µg/Kg-dry	10	11/11/2023
1,1-Dichloroethane	ND	330	50		µg/Kg-dry	10	11/11/2023
1,1-Dichloroethene	ND	330	50		µg/Kg-dry	10	11/11/2023
1,2,3-Trichloropropane	ND	330	100		µg/Kg-dry	10	11/11/2023
1,2,3-Trimethylbenzene	ND	330	250		µg/Kg-dry	10	11/11/2023
1,2,4-Trichlorobenzene	ND	1,100	250		µg/Kg-dry	10	11/11/2023
1,2,4-Trimethylbenzene	ND	330	100		µg/Kg-dry	10	11/11/2023
1,2-Dibromo-3-chloropropane	ND	1,100	10		µg/Kg-dry	10	11/11/2023
1,2-Dibromoethane	ND	330	20		µg/Kg-dry	10	11/11/2023
1,2-Dichlorobenzene	ND	330	100		µg/Kg-dry	10	11/11/2023
1,2-Dichloroethane	ND	330	50		µg/Kg-dry	10	11/11/2023
1,2-Dichloropropane	ND	330	50		µg/Kg-dry	10	11/11/2023
1,3,5-Trimethylbenzene	ND	1,100	100		µg/Kg-dry	10	11/11/2023
1,3-Dichlorobenzene	ND	330	100		µg/Kg-dry	10	11/11/2023
1,4-Dichlorobenzene	ND	330	100		µg/Kg-dry	10	11/11/2023
2-Butanone	ND	2,200	750		µg/Kg-dry	10	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	10	11/11/2023
2-Methylnaphthalene	ND	1,100	330		µg/Kg-dry	10	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	10	11/11/2023
Acetone	ND	1,100	1,000		µg/Kg-dry	10	11/11/2023
Acrylonitrile	ND	1,100	100		µg/Kg-dry	10	11/11/2023
Benzene	ND	330	50		µg/Kg-dry	10	11/11/2023
Bromochloromethane	ND	330	100		µg/Kg-dry	10	11/11/2023
Bromodichloromethane	ND	330	100		µg/Kg-dry	10	11/11/2023
Bromoform	ND	330	100		µg/Kg-dry	10	11/11/2023
Bromomethane	ND	1,100	200		µg/Kg-dry	10	11/11/2023
Carbon disulfide	ND	330	250		µg/Kg-dry	10	11/11/2023
Carbon tetrachloride	ND	330	50		µg/Kg-dry	10	11/11/2023
Chlorobenzene	ND	330	50		µg/Kg-dry	10	11/11/2023
Chloroethane	ND	1,100	250		µg/Kg-dry	10	11/11/2023
Chloroform	ND	330	50		µg/Kg-dry	10	11/11/2023
Chloromethane	ND	1,100	250		µg/Kg-dry	10	11/11/2023
cis-1,2-Dichloroethene	ND	330	50		µg/Kg-dry	10	11/11/2023
cis-1,3-Dichloropropene	ND	330	50		µg/Kg-dry	10	11/11/2023
Dibromochloromethane	ND	330	100		µg/Kg-dry	10	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-95@18'
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-72	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	330	250		µg/Kg-dry	10	11/11/2023
Dichlorodifluoromethane	ND	1,100	250		µg/Kg-dry	10	11/11/2023
Diethyl ether	ND	330	200		µg/Kg-dry	10	11/11/2023
Ethylbenzene	ND	330	50		µg/Kg-dry	10	11/11/2023
Hexachloroethane	ND	1,100	0		µg/Kg-dry	10	11/11/2023
Isopropylbenzene	ND	330	250		µg/Kg-dry	10	11/11/2023
m,p-Xylene	ND	650	100		µg/Kg-dry	10	11/11/2023
Methyl iodide	ND	5,400	100		µg/Kg-dry	10	11/11/2023
Methyl tert-butyl ether	ND	330	250		µg/Kg-dry	10	11/11/2023
Methylene chloride	ND	2,700	100		µg/Kg-dry	10	11/11/2023
Naphthalene	ND	1,100	330		µg/Kg-dry	10	11/11/2023
n-Propylbenzene	ND	330	100		µg/Kg-dry	10	11/11/2023
o-Xylene	ND	330	50		µg/Kg-dry	10	11/11/2023
Styrene	ND	330	50		µg/Kg-dry	10	11/11/2023
Tetrachloroethene	ND	330	50		µg/Kg-dry	10	11/11/2023
Toluene	ND	330	100		µg/Kg-dry	10	11/11/2023
trans-1,2-Dichloroethene	ND	330	50		µg/Kg-dry	10	11/11/2023
trans-1,3-Dichloropropene	ND	330	50		µg/Kg-dry	10	11/11/2023
trans-1,4-Dichloro-2-butene	ND	330	50		µg/Kg-dry	10	11/11/2023
Trichloroethene	ND	330	50		µg/Kg-dry	10	11/11/2023
Trichlorofluoromethane	ND	330	100		µg/Kg-dry	10	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	10	11/11/2023
Vinyl chloride	ND	330	40		µg/Kg-dry	10	11/11/2023
Xylenes, Total	ND	980	150		µg/Kg-dry	10	11/11/2023
Surr: 1,2-Dichloroethane-d4	*102*	*80-120*			*%REC*	10	11/11/2023
Surr: 4-Bromofluorobenzene	*101*	*80-120*			*%REC*	10	11/11/2023
Surr: Dibromofluoromethane	*96.4*	*80-120*			*%REC*	10	11/11/2023
Surr: Toluene-d8	*102*	*80-120*			*%REC*	10	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**10**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-97@3'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-73	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-97@3'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-73	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	560	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	280	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*103*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*94.1*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*90.6*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*99.1*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.4**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-97@5'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-74	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-97@5'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-74	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	580	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*106*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*93.9*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*88.2*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*98.3*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.8**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-97@7'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-75	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/11/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/11/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/11/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/11/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/11/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/11/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/11/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/11/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-97@7'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-75	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/11/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/11/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/11/2023
Methyl iodide	ND	560	100		µg/Kg-dry	1	11/11/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/11/2023
Methylene chloride	ND	280	100		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/11/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/11/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/11/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/11/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/11/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/11/2023
Surr: 1,2-Dichloroethane-d4	*103*	*80-120*			*%REC*	1	11/11/2023
Surr: 4-Bromofluorobenzene	*99.6*	*80-120*			*%REC*	1	11/11/2023
Surr: Dibromofluoromethane	*89.7*	*80-120*			*%REC*	1	11/11/2023
Surr: Toluene-d8	*103*	*80-120*			*%REC*	1	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**5.8**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-97@9'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-76	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/11/2023
1,2-Dibromoethane	ND	37	20		µg/Kg-dry	1	11/11/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/11/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/11/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/11/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/11/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/11/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/11/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-97@9'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-76	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/11/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/11/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/11/2023
Methyl iodide	ND	620	100		µg/Kg-dry	1	11/11/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/11/2023
Methylene chloride	ND	310	100		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/11/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/11/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/11/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/11/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/11/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/11/2023
Surr: 1,2-Dichloroethane-d4	*102*	*80-120*			*%REC*	1	11/11/2023
Surr: 4-Bromofluorobenzene	*90.8*	*80-120*			*%REC*	1	11/11/2023
Surr: Dibromofluoromethane	*91.4*	*80-120*			*%REC*	1	11/11/2023
Surr: Toluene-d8	*97.9*	*80-120*			*%REC*	1	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**5.2**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-97@11'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-77	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dibromo-3-chloropropane	ND	130	10		µg/Kg-dry	1	11/11/2023
1,2-Dibromoethane	ND	39	20		µg/Kg-dry	1	11/11/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,3,5-Trimethylbenzene	ND	130	100		µg/Kg-dry	1	11/11/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/11/2023
Acrylonitrile	ND	130	100		µg/Kg-dry	1	11/11/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/11/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/11/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/11/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-97@11'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-77	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/11/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Hexachloroethane	ND	130	0		µg/Kg-dry	1	11/11/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/11/2023
Methyl iodide	ND	640	100		µg/Kg-dry	1	11/11/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/11/2023
Methylene chloride	ND	320	100		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/11/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/11/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/11/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/11/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/11/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/11/2023
Surr: 1,2-Dichloroethane-d4	*103*	*80-120*			*%REC*	1	11/11/2023
Surr: 4-Bromofluorobenzene	*100*	*80-120*			*%REC*	1	11/11/2023
Surr: Dibromofluoromethane	*88.7*	*80-120*			*%REC*	1	11/11/2023
Surr: Toluene-d8	*97.6*	*80-120*			*%REC*	1	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**6.0**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-97@13'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-78	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/11/2023
1,2-Dibromoethane	ND	36	20		µg/Kg-dry	1	11/11/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/11/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/11/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/11/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/11/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/11/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/11/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-97@13'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-78	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/11/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/11/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/11/2023
Methyl iodide	ND	590	100		µg/Kg-dry	1	11/11/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/11/2023
Methylene chloride	ND	300	100		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/11/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/11/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/11/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/11/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/11/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/11/2023
Surr: 1,2-Dichloroethane-d4	*105*	*80-120*			*%REC*	1	11/11/2023
Surr: 4-Bromofluorobenzene	*97.4*	*80-120*			*%REC*	1	11/11/2023
Surr: Dibromofluoromethane	*88.8*	*80-120*			*%REC*	1	11/11/2023
Surr: Toluene-d8	*102*	*80-120*			*%REC*	1	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.3**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-97@15'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-79	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/11/2023
1,2-Dibromoethane	ND	37	20		µg/Kg-dry	1	11/11/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/11/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/11/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/11/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/11/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/11/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/11/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-97@15'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-79	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/11/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/11/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/11/2023
Methyl iodide	ND	610	100		µg/Kg-dry	1	11/11/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/11/2023
Methylene chloride	ND	300	100		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/11/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/11/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/11/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/11/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/11/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/11/2023
Surr: 1,2-Dichloroethane-d4	*101*	*80-120*			*%REC*	1	11/11/2023
Surr: 4-Bromofluorobenzene	*95.7*	*80-120*			*%REC*	1	11/11/2023
Surr: Dibromofluoromethane	*89.7*	*80-120*			*%REC*	1	11/11/2023
Surr: Toluene-d8	*99.6*	*80-120*			*%REC*	1	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**2.9**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-97@18'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-80	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	380	100		µg/Kg-dry	10	11/11/2023
1,1,1-Trichloroethane	ND	380	50		µg/Kg-dry	10	11/11/2023
1,1,2,2-Tetrachloroethane	ND	380	50		µg/Kg-dry	10	11/11/2023
1,1,2-Trichloroethane	ND	380	50		µg/Kg-dry	10	11/11/2023
1,1,2-Trichlorotrifluoroethane	ND	380	250		µg/Kg-dry	10	11/11/2023
1,1-Dichloroethane	ND	380	50		µg/Kg-dry	10	11/11/2023
1,1-Dichloroethene	ND	380	50		µg/Kg-dry	10	11/11/2023
1,2,3-Trichloropropane	ND	380	100		µg/Kg-dry	10	11/11/2023
1,2,3-Trimethylbenzene	**1,300**	**380**	**250**		**µg/Kg-dry**	10	11/11/2023
1,2,4-Trichlorobenzene	ND	1,300	250		µg/Kg-dry	10	11/11/2023
1,2,4-Trimethylbenzene	ND	380	100		µg/Kg-dry	10	11/11/2023
1,2-Dibromo-3-chloropropane	ND	1,300	10		µg/Kg-dry	10	11/11/2023
1,2-Dibromoethane	ND	380	20		µg/Kg-dry	10	11/11/2023
1,2-Dichlorobenzene	ND	380	100		µg/Kg-dry	10	11/11/2023
1,2-Dichloroethane	ND	380	50		µg/Kg-dry	10	11/11/2023
1,2-Dichloropropane	ND	380	50		µg/Kg-dry	10	11/11/2023
1,3,5-Trimethylbenzene	ND	1,300	100		µg/Kg-dry	10	11/11/2023
1,3-Dichlorobenzene	ND	380	100		µg/Kg-dry	10	11/11/2023
1,4-Dichlorobenzene	ND	380	100		µg/Kg-dry	10	11/11/2023
2-Butanone	ND	2,500	750		µg/Kg-dry	10	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	10	11/11/2023
2-Methylnaphthalene	ND	1,300	330		µg/Kg-dry	10	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	10	11/11/2023
Acetone	ND	1,300	1,000		µg/Kg-dry	10	11/11/2023
Acrylonitrile	ND	1,300	100		µg/Kg-dry	10	11/11/2023
Benzene	ND	380	50		µg/Kg-dry	10	11/11/2023
Bromochloromethane	ND	380	100		µg/Kg-dry	10	11/11/2023
Bromodichloromethane	ND	380	100		µg/Kg-dry	10	11/11/2023
Bromoform	ND	380	100		µg/Kg-dry	10	11/11/2023
Bromomethane	ND	1,300	200		µg/Kg-dry	10	11/11/2023
Carbon disulfide	ND	380	250		µg/Kg-dry	10	11/11/2023
Carbon tetrachloride	ND	380	50		µg/Kg-dry	10	11/11/2023
Chlorobenzene	ND	380	50		µg/Kg-dry	10	11/11/2023
Chloroethane	ND	1,300	250		µg/Kg-dry	10	11/11/2023
Chloroform	ND	380	50		µg/Kg-dry	10	11/11/2023
Chloromethane	ND	1,300	250		µg/Kg-dry	10	11/11/2023
cis-1,2-Dichloroethene	ND	380	50		µg/Kg-dry	10	11/11/2023
cis-1,3-Dichloropropene	ND	380	50		µg/Kg-dry	10	11/11/2023
Dibromochloromethane	ND	380	100		µg/Kg-dry	10	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-97@18'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-80	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	380	250		µg/Kg-dry	10	11/11/2023
Dichlorodifluoromethane	ND	1,300	250		µg/Kg-dry	10	11/11/2023
Diethyl ether	ND	380	200		µg/Kg-dry	10	11/11/2023
Ethylbenzene	ND	380	50		µg/Kg-dry	10	11/11/2023
Hexachloroethane	ND	1,300	0		µg/Kg-dry	10	11/11/2023
Isopropylbenzene	ND	380	250		µg/Kg-dry	10	11/11/2023
m,p-Xylene	ND	760	100		µg/Kg-dry	10	11/11/2023
Methyl iodide	ND	6,300	100		µg/Kg-dry	10	11/11/2023
Methyl tert-butyl ether	ND	380	250		µg/Kg-dry	10	11/11/2023
Methylene chloride	ND	3,200	100		µg/Kg-dry	10	11/11/2023
Naphthalene	ND	1,300	330		µg/Kg-dry	10	11/11/2023
n-Propylbenzene	ND	380	100		µg/Kg-dry	10	11/11/2023
o-Xylene	ND	380	50		µg/Kg-dry	10	11/11/2023
Styrene	ND	380	50		µg/Kg-dry	10	11/11/2023
Tetrachloroethene	ND	380	50		µg/Kg-dry	10	11/11/2023
Toluene	ND	380	100		µg/Kg-dry	10	11/11/2023
trans-1,2-Dichloroethene	ND	380	50		µg/Kg-dry	10	11/11/2023
trans-1,3-Dichloropropene	ND	380	50		µg/Kg-dry	10	11/11/2023
trans-1,4-Dichloro-2-butene	ND	380	50		µg/Kg-dry	10	11/11/2023
Trichloroethene	ND	380	50		µg/Kg-dry	10	11/11/2023
Trichlorofluoromethane	ND	380	100		µg/Kg-dry	10	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	10	11/11/2023
Vinyl chloride	ND	380	40		µg/Kg-dry	10	11/11/2023
Xylenes, Total	ND	1,100	150		µg/Kg-dry	10	11/11/2023
Surr: 1,2-Dichloroethane-d4	*105*	*80-120*			*%REC*	10	11/11/2023
Surr: 4-Bromofluorobenzene	*99.7*	*80-120*			*%REC*	10	11/11/2023
Surr: Dibromofluoromethane	*96.0*	*80-120*			*%REC*	10	11/11/2023
Surr: Toluene-d8	*99.2*	*80-120*			*%REC*	10	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**12**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-94 Waste Characterization
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-81	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
TCLP MERCURY BY CVAA			**SW7470A**		Prep Date: **11/9/2023**		Analyst: **KRA**
Mercury	ND	0.0020	0		mg/L	1	11/9/2023
TCLP METALS BY ICP-AES			**SW6010D**		Prep Date: **11/10/2023**		Analyst: **DSC**
Arsenic	ND	0.050	0		mg/L	1	11/10/2023
Barium	**0.089**	**0.050**	**0**		**mg/L**	1	11/10/2023
Cadmium	ND	0.10	0		mg/L	1	11/10/2023
Chromium	ND	0.10	0		mg/L	1	11/10/2023
Lead	ND	0.050	0		mg/L	1	11/10/2023
Selenium	ND	0.10	0		mg/L	1	11/10/2023
Silver	ND	0.050	0		mg/L	1	11/10/2023
TCLP SEMI-VOLATILE ORGANICS			**SW8270E**		Prep Date: **11/10/2023**		Analyst: **MMO**
1,4-Dichlorobenzene	ND	100	0		µg/L	1	11/13/2023
2,4,5-Trichlorophenol	ND	100	0		µg/L	1	11/13/2023
2,4,6-Trichlorophenol	ND	100	0		µg/L	1	11/13/2023
2,4-Dinitrotoluene	ND	100	0		µg/L	1	11/13/2023
Hexachloro-1,3-butadiene	ND	100	0		µg/L	1	11/13/2023
Hexachlorobenzene	ND	100	0		µg/L	1	11/13/2023
Hexachloroethane	ND	100	0		µg/L	1	11/13/2023
m-Cresol	ND	100	0		µg/L	1	11/13/2023
Nitrobenzene	ND	100	0		µg/L	1	11/13/2023
o-Cresol	ND	100	0		µg/L	1	11/13/2023
p-Cresol	ND	100	0		µg/L	1	11/13/2023
Pentachlorophenol	ND	100	0		µg/L	1	11/13/2023
Pyridine	ND	200	0		µg/L	1	11/13/2023
Surr: 2,4,6-Tribromophenol	*68.9*	*47-103*			*%REC*	1	11/13/2023
Surr: 2-Fluorobiphenyl	*66.6*	*41-96*			*%REC*	1	11/13/2023
Surr: 2-Fluorophenol	*42.3*	*28-66*			*%REC*	1	11/13/2023
Surr: 4-Terphenyl-d14	*70.6*	*49-107*			*%REC*	1	11/13/2023
Surr: Nitrobenzene-d5	*65.6*	*41-95*			*%REC*	1	11/13/2023
Surr: Phenol-d6	*27.9*	*18-44*			*%REC*	1	11/13/2023
TCLP VOLATILE ORGANICS			**SW8260D**		Prep Date: **11/9/2023**		Analyst: **BAM**
1,1-Dichloroethene	ND	20	0		µg/L	1	11/10/2023
1,2-Dichloroethane	ND	20	0		µg/L	1	11/10/2023
2-Butanone	ND	100	0		µg/L	1	11/10/2023
Benzene	ND	50	0		µg/L	1	11/10/2023
Carbon tetrachloride	ND	20	0		µg/L	1	11/10/2023
Chlorobenzene	ND	20	0		µg/L	1	11/10/2023
Chloroform	ND	20	0		µg/L	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-94 Waste Characterization
Work Order: 23110289 **Collection Date:** 10/31/2023
Project: Otwell - West State Street 20-393A
Lab ID: 23110289-81 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND	20	0		µg/L	1	11/10/2023
Trichloroethene	ND	20	0		µg/L	1	11/10/2023
Vinyl chloride	ND	20	0		µg/L	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*106*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*92.2*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*95.1*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*98.2*	*80-120*			*%REC*	1	11/10/2023
MODIFIED FLASHPOINT ANALYSIS			**SW1010BMOD**				Analyst: **MB**
Flashpoint/Ignitability	ND	50.0	0		°F	1	11/6/2023
SOIL PH MEASURED IN WATER AT NOTED TEMP.			**SW9045D**		Prep Date: **11/6/2023**		Analyst: **JMJ**
pH	**9.15**	**0.100**	**0**		**s.u.**	1	11/7/2023
Temperature	**19.3**	**0.100**	**0**		**°C**	1	11/7/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-95 Waste Characterization
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-82	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
TCLP MERCURY BY CVAA			**SW7470A**		Prep Date: **11/9/2023**		Analyst: **KRA**
Mercury	ND	0.0020	0		mg/L	1	11/9/2023
TCLP METALS BY ICP-AES			**SW6010D**		Prep Date: **11/10/2023**		Analyst: **DSC**
Arsenic	ND	0.050	0		mg/L	1	11/10/2023
Barium	**0.093**	**0.050**	**0**		**mg/L**	1	11/10/2023
Cadmium	ND	0.10	0		mg/L	1	11/10/2023
Chromium	ND	0.10	0		mg/L	1	11/10/2023
Lead	ND	0.050	0		mg/L	1	11/10/2023
Selenium	ND	0.10	0		mg/L	1	11/10/2023
Silver	ND	0.050	0		mg/L	1	11/10/2023
TCLP SEMI-VOLATILE ORGANICS			**SW8270E**		Prep Date: **11/10/2023**		Analyst: **MMO**
1,4-Dichlorobenzene	ND	100	0		µg/L	1	11/13/2023
2,4,5-Trichlorophenol	ND	100	0		µg/L	1	11/13/2023
2,4,6-Trichlorophenol	ND	100	0		µg/L	1	11/13/2023
2,4-Dinitrotoluene	ND	100	0		µg/L	1	11/13/2023
Hexachloro-1,3-butadiene	ND	100	0		µg/L	1	11/13/2023
Hexachlorobenzene	ND	100	0		µg/L	1	11/13/2023
Hexachloroethane	ND	100	0		µg/L	1	11/13/2023
m-Cresol	ND	100	0		µg/L	1	11/13/2023
Nitrobenzene	ND	100	0		µg/L	1	11/13/2023
o-Cresol	ND	100	0		µg/L	1	11/13/2023
p-Cresol	ND	100	0		µg/L	1	11/13/2023
Pentachlorophenol	ND	100	0		µg/L	1	11/13/2023
Pyridine	ND	200	0		µg/L	1	11/13/2023
Surr: 2,4,6-Tribromophenol	*69.7*	*47-103*			*%REC*	1	11/13/2023
Surr: 2-Fluorobiphenyl	*67.7*	*41-96*			*%REC*	1	11/13/2023
Surr: 2-Fluorophenol	*42.1*	*28-66*			*%REC*	1	11/13/2023
Surr: 4-Terphenyl-d14	*72.0*	*49-107*			*%REC*	1	11/13/2023
Surr: Nitrobenzene-d5	*66.9*	*41-95*			*%REC*	1	11/13/2023
Surr: Phenol-d6	*27.1*	*18-44*			*%REC*	1	11/13/2023
TCLP VOLATILE ORGANICS			**SW8260D**		Prep Date: **11/9/2023**		Analyst: **BAM**
1,1-Dichloroethene	ND	20	0		µg/L	1	11/10/2023
1,2-Dichloroethane	ND	20	0		µg/L	1	11/10/2023
2-Butanone	ND	100	0		µg/L	1	11/10/2023
Benzene	ND	50	0		µg/L	1	11/10/2023
Carbon tetrachloride	ND	20	0		µg/L	1	11/10/2023
Chlorobenzene	ND	20	0		µg/L	1	11/10/2023
Chloroform	ND	20	0		µg/L	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-95 Waste Characterization
Work Order:	23110289	**Collection Date:**	11/1/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-82	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Tetrachloroethene	ND	20	0		µg/L	1	11/10/2023
Trichloroethene	ND	20	0		µg/L	1	11/10/2023
Vinyl chloride	ND	20	0		µg/L	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*106*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*92.1*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*96.7*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*100*	*80-120*			*%REC*	1	11/10/2023
MODIFIED FLASHPOINT ANALYSIS			**SW1010BMOD**				Analyst: **MB**
Flashpoint/Ignitability	ND	50.0	0		°F	1	11/6/2023
SOIL PH MEASURED IN WATER AT NOTED TEMP.			**SW9045D**		Prep Date: **11/6/2023**		Analyst: **JMJ**
pH	**8.61**	**0.100**	**0**		**s.u.**	1	11/7/2023
Temperature	**19.3**	**0.100**	**0**		**°C**	1	11/7/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-94
Work Order:	23110289	**Collection Date:**	11/2/2023 9:00:00 AM
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-83	**Matrix:**	GROUNDWATER

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470A**		Prep Date: **11/6/2023**		Analyst: **KRA**
Mercury	ND	0.00020	0.00020		mg/L	1	11/6/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/6/2023**		Analyst: **STP**
Arsenic	ND	0.0050	0		mg/L	1	11/7/2023
Barium	**0.029**	**0.0050**	**0**		**mg/L**	1	11/7/2023
Cadmium	ND	0.0020	0		mg/L	1	11/7/2023
Chromium	ND	0.0050	0		mg/L	1	11/7/2023
Copper	ND	0.0050	0		mg/L	1	11/7/2023
Lead	ND	0.0050	0		mg/L	1	11/7/2023
Molybdenum	**0.0064**	**0.0050**	**0**		**mg/L**	1	11/7/2023
Nickel	ND	0.0050	0		mg/L	1	11/7/2023
Selenium	ND	0.0050	0		mg/L	1	11/8/2023
Thallium	ND	0.0050	0		mg/L	1	11/7/2023
Zinc	ND	0.010	0		mg/L	1	11/7/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**				Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	1.0	1.0		µg/L	1	11/10/2023
1,1,1-Trichloroethane	ND	1.0	1.0		µg/L	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	1.0	1.0		µg/L	1	11/10/2023
1,1,2-Trichloroethane	ND	1.0	1.0		µg/L	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	1.0	1.0		µg/L	1	11/10/2023
1,1-Dichloroethane	ND	1.0	1.0		µg/L	1	11/10/2023
1,1-Dichloroethene	ND	1.0	1.0		µg/L	1	11/10/2023
1,2,3-Trichloropropane	ND	1.0	1.0		µg/L	1	11/10/2023
1,2,3-Trimethylbenzene	ND	5.0	5.0		µg/L	1	11/10/2023
1,2,4-Trichlorobenzene	ND	5.0	5.0		µg/L	1	11/10/2023
1,2,4-Trimethylbenzene	ND	1.0	1.0		µg/L	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	1.0	0.20		µg/L	1	11/10/2023
1,2-Dibromoethane	ND	5.0	5.0		µg/L	1	11/10/2023
1,2-Dichlorobenzene	ND	1.0	1.0		µg/L	1	11/10/2023
1,2-Dichloroethane	ND	1.0	1.0		µg/L	1	11/10/2023
1,2-Dichloropropane	ND	1.0	1.0		µg/L	1	11/10/2023
1,3,5-Trimethylbenzene	ND	1.0	1.0		µg/L	1	11/10/2023
1,3-Dichlorobenzene	ND	1.0	1.0		µg/L	1	11/10/2023
1,4-Dichlorobenzene	ND	1.0	1.0		µg/L	1	11/10/2023
2-Butanone	ND	25	25		µg/L	1	11/10/2023
2-Hexanone	ND	50	50		µg/L	1	11/10/2023
2-Methylnaphthalene	ND	5.0	5.0		µg/L	1	11/10/2023
4-Methyl-2-pentanone	ND	50	50		µg/L	1	11/10/2023
Acetone	ND	50	50		µg/L	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-94
Work Order:	23110289	**Collection Date:**	11/2/2023 9:00:00 AM
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-83	**Matrix:**	GROUNDWATER

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Acrylonitrile	ND	2.0	2.0		µg/L	1	11/10/2023
Benzene	ND	1.0	1.0		µg/L	1	11/10/2023
Bromochloromethane	ND	1.0	1.0		µg/L	1	11/10/2023
Bromodichloromethane	ND	1.0	1.0		µg/L	1	11/10/2023
Bromoform	ND	1.0	1.0		µg/L	1	11/10/2023
Bromomethane	ND	5.0	5.0		µg/L	1	11/10/2023
Carbon disulfide	ND	5.0	5.0		µg/L	1	11/10/2023
Carbon tetrachloride	ND	1.0	1.0		µg/L	1	11/10/2023
Chlorobenzene	ND	1.0	1.0		µg/L	1	11/10/2023
Chloroethane	ND	5.0	5.0		µg/L	1	11/10/2023
Chloroform	ND	1.0	1.0		µg/L	1	11/10/2023
Chloromethane	ND	5.0	5.0		µg/L	1	11/10/2023
cis-1,2-Dichloroethene	ND	1.0	1.0		µg/L	1	11/10/2023
cis-1,3-Dichloropropene	ND	1.0	1.0		µg/L	1	11/10/2023
Dibromochloromethane	ND	5.0	5.0		µg/L	1	11/10/2023
Dibromomethane	ND	5.0	5.0		µg/L	1	11/10/2023
Dichlorodifluoromethane	ND	5.0	5.0		µg/L	1	11/10/2023
Diethyl ether	ND	10	10		µg/L	1	11/10/2023
Ethylbenzene	ND	1.0	1.0		µg/L	1	11/10/2023
Hexachloroethane	ND	1.0	0		µg/L	1	11/10/2023
Isopropylbenzene	ND	5.0	5.0		µg/L	1	11/10/2023
m,p-Xylene	ND	2.0	2.0		µg/L	1	11/10/2023
Methyl iodide	ND	5.0	1.0		µg/L	1	11/10/2023
Methyl tert-butyl ether	ND	5.0	5.0		µg/L	1	11/10/2023
Methylene chloride	ND	5.0	5.0		µg/L	1	11/10/2023
Naphthalene	ND	5.0	5.0		µg/L	1	11/10/2023
n-Propylbenzene	ND	1.0	1.0		µg/L	1	11/10/2023
o-Xylene	ND	1.0	1.0		µg/L	1	11/10/2023
Styrene	ND	1.0	1.0		µg/L	1	11/10/2023
Tetrachloroethene	**4.9**	**1.0**	**1.0**		**µg/L**	1	11/10/2023
Toluene	ND	1.0	1.0		µg/L	1	11/10/2023
trans-1,2-Dichloroethene	ND	1.0	1.0		µg/L	1	11/10/2023
trans-1,3-Dichloropropene	ND	1.0	1.0		µg/L	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	2.0	1.0		µg/L	1	11/10/2023
Trichloroethene	ND	1.0	1.0		µg/L	1	11/10/2023
Trichlorofluoromethane	ND	1.0	1.0		µg/L	1	11/10/2023
Vinyl acetate	ND	100	100		µg/L	1	11/10/2023
Vinyl chloride	ND	1.0	1.0		µg/L	1	11/10/2023
Xylenes, Total	ND	3.0	3.0		µg/L	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*99.0*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*100*	*80-120*			*%REC*	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-94
Work Order:	23110289	**Collection Date:**	11/2/2023 9:00:00 AM
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-83	**Matrix:**	GROUNDWATER

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Surr: Dibromofluoromethane	*92.6*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*102*	*80-120*			*%REC*	1	11/10/2023
BIOCHEMICAL OXYGEN DEMAND			**A5210B-16**		Prep Date: **11/3/2023**		Analyst: **KF**
Biochemical Oxygen Demand	ND	3.00	0		mg/L	1	11/8/2023
CHLORIDE			**A4500-CL C-11**				Analyst: **HBR**
Chloride	**49.9**	**3.00**	**0**		**mg/L**	1	11/9/2023
OIL AND GREASE			**E1664A**		Prep Date: **11/8/2023**		Analyst: **SMH**
Oil and Grease	ND	4.5	0		mg/L	1	11/8/2023
PHOSPHORUS, TOTAL			**E365.1 R2.0**				Analyst: **EE**
Phosphorus, Total	ND	0.050	0		mg/L	1	11/8/2023
PH (LABORATORY)			**E150.1**				Analyst: **CLJ**
pH (laboratory)	**7.74**	**0.100**	**0**	H	**s.u.**	1	11/7/2023
Temperature	**20.9**	**0.100**	**0**	H	**°C**	1	11/7/2023
PHENOLICS, TOTAL			**E420.4**				Analyst: **RZM**
Phenolics, Total	ND	0.0050	0		mg/L	1	11/7/2023
NITROGEN, TOTAL KJELDAHL			**A4500-NH3 G-11**		Prep Date: **11/6/2023**		Analyst: **JMT**
Nitrogen, Total Kjeldahl	ND	1.0	0		mg/L	1	11/7/2023
TOTAL SUSPENDED SOLIDS			**E160.2**		Prep Date: **11/9/2023**		Analyst: **SRN**
Total Suspended Solids	**62.0**	**1.30**	**0**		**mg/L**	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-95
Work Order:	23110289	**Collection Date:**	11/2/2023 10:00:00 AM
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-84	**Matrix:**	GROUNDWATER

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470A**		Prep Date: **11/6/2023**		Analyst: **KRA**
Mercury	ND	0.00020	0.00020		mg/L	1	11/6/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/6/2023**		Analyst: **STP**
Arsenic	**0.0065**	**0.0050**	**0**		**mg/L**	1	11/7/2023
Barium	**0.034**	**0.0050**	**0**		**mg/L**	1	11/7/2023
Cadmium	ND	0.0020	0		mg/L	1	11/7/2023
Chromium	**0.0072**	**0.0050**	**0**		**mg/L**	1	11/7/2023
Copper	ND	0.0050	0		mg/L	1	11/7/2023
Lead	ND	0.0050	0		mg/L	1	11/7/2023
Molybdenum	ND	0.0050	0		mg/L	1	11/7/2023
Nickel	ND	0.0050	0		mg/L	1	11/7/2023
Selenium	ND	0.0050	0		mg/L	1	11/8/2023
Thallium	ND	0.0050	0		mg/L	1	11/7/2023
Zinc	ND	0.010	0		mg/L	1	11/7/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**				Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	1.0	1.0		µg/L	1	11/10/2023
1,1,1-Trichloroethane	ND	1.0	1.0		µg/L	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	1.0	1.0		µg/L	1	11/10/2023
1,1,2-Trichloroethane	ND	1.0	1.0		µg/L	1	11/10/2023
1,1,2-Trichlorotrifluoroethane	ND	1.0	1.0		µg/L	1	11/10/2023
1,1-Dichloroethane	ND	1.0	1.0		µg/L	1	11/10/2023
1,1-Dichloroethene	ND	1.0	1.0		µg/L	1	11/10/2023
1,2,3-Trichloropropane	ND	1.0	1.0		µg/L	1	11/10/2023
1,2,3-Trimethylbenzene	**10**	**5.0**	**5.0**		**µg/L**	1	11/10/2023
1,2,4-Trichlorobenzene	ND	5.0	5.0		µg/L	1	11/10/2023
1,2,4-Trimethylbenzene	**13**	**1.0**	**1.0**		**µg/L**	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	1.0	0.20		µg/L	1	11/10/2023
1,2-Dibromoethane	ND	5.0	5.0		µg/L	1	11/10/2023
1,2-Dichlorobenzene	ND	1.0	1.0		µg/L	1	11/10/2023
1,2-Dichloroethane	ND	1.0	1.0		µg/L	1	11/10/2023
1,2-Dichloropropane	ND	1.0	1.0		µg/L	1	11/10/2023
1,3,5-Trimethylbenzene	**3.4**	**1.0**	**1.0**		**µg/L**	1	11/10/2023
1,3-Dichlorobenzene	ND	1.0	1.0		µg/L	1	11/10/2023
1,4-Dichlorobenzene	ND	1.0	1.0		µg/L	1	11/10/2023
2-Butanone	ND	25	25		µg/L	1	11/10/2023
2-Hexanone	ND	50	50		µg/L	1	11/10/2023
2-Methylnaphthalene	**8.4**	**5.0**	**5.0**		**µg/L**	1	11/10/2023
4-Methyl-2-pentanone	ND	50	50		µg/L	1	11/10/2023
Acetone	ND	50	50		µg/L	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-95
Work Order:	23110289	**Collection Date:**	11/2/2023 10:00:00 AM
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-84	**Matrix:**	GROUNDWATER

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Acrylonitrile	ND	2.0	2.0		µg/L	1	11/10/2023
Benzene	ND	1.0	1.0		µg/L	1	11/10/2023
Bromochloromethane	ND	1.0	1.0		µg/L	1	11/10/2023
Bromodichloromethane	ND	1.0	1.0		µg/L	1	11/10/2023
Bromoform	ND	1.0	1.0		µg/L	1	11/10/2023
Bromomethane	ND	5.0	5.0		µg/L	1	11/10/2023
Carbon disulfide	ND	5.0	5.0		µg/L	1	11/10/2023
Carbon tetrachloride	ND	1.0	1.0		µg/L	1	11/10/2023
Chlorobenzene	ND	1.0	1.0		µg/L	1	11/10/2023
Chloroethane	ND	5.0	5.0		µg/L	1	11/10/2023
Chloroform	ND	1.0	1.0		µg/L	1	11/10/2023
Chloromethane	ND	5.0	5.0		µg/L	1	11/10/2023
cis-1,2-Dichloroethene	**2.6**	**1.0**	**1.0**		**µg/L**	1	11/10/2023
cis-1,3-Dichloropropene	ND	1.0	1.0		µg/L	1	11/10/2023
Dibromochloromethane	ND	5.0	5.0		µg/L	1	11/10/2023
Dibromomethane	ND	5.0	5.0		µg/L	1	11/10/2023
Dichlorodifluoromethane	ND	5.0	5.0		µg/L	1	11/10/2023
Diethyl ether	ND	10	10		µg/L	1	11/10/2023
Ethylbenzene	ND	1.0	1.0		µg/L	1	11/10/2023
Hexachloroethane	ND	1.0	0		µg/L	1	11/10/2023
Isopropylbenzene	ND	5.0	5.0		µg/L	1	11/10/2023
m,p-Xylene	ND	2.0	2.0		µg/L	1	11/10/2023
Methyl iodide	ND	5.0	1.0		µg/L	1	11/10/2023
Methyl tert-butyl ether	ND	5.0	5.0		µg/L	1	11/10/2023
Methylene chloride	ND	5.0	5.0		µg/L	1	11/10/2023
Naphthalene	**6.6**	**5.0**	**5.0**		**µg/L**	1	11/10/2023
n-Propylbenzene	ND	1.0	1.0		µg/L	1	11/10/2023
o-Xylene	ND	1.0	1.0		µg/L	1	11/10/2023
Styrene	ND	1.0	1.0		µg/L	1	11/10/2023
Tetrachloroethene	ND	1.0	1.0		µg/L	1	11/10/2023
Toluene	ND	1.0	1.0		µg/L	1	11/10/2023
trans-1,2-Dichloroethene	ND	1.0	1.0		µg/L	1	11/10/2023
trans-1,3-Dichloropropene	ND	1.0	1.0		µg/L	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	2.0	1.0		µg/L	1	11/10/2023
Trichloroethene	ND	1.0	1.0		µg/L	1	11/10/2023
Trichlorofluoromethane	ND	1.0	1.0		µg/L	1	11/10/2023
Vinyl acetate	ND	100	100		µg/L	1	11/10/2023
Vinyl chloride	ND	1.0	1.0		µg/L	1	11/10/2023
Xylenes, Total	ND	3.0	3.0		µg/L	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*98.6*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*100*	*80-120*			*%REC*	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-95
Work Order:	23110289	**Collection Date:**	11/2/2023 10:00:00 AM
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-84	**Matrix:**	GROUNDWATER

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Surr: Dibromofluoromethane	*95.7*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*96.8*	*80-120*			*%REC*	1	11/10/2023
BIOCHEMICAL OXYGEN DEMAND			**A5210B-16**		Prep Date: **11/3/2023**		Analyst: **KF**
Biochemical Oxygen Demand	**5.45**	**3.00**	**0**		**mg/L**	1	11/8/2023
CHLORIDE			**A4500-CL C-11**				Analyst: **HBR**
Chloride	**99.9**	**3.00**	**0**		**mg/L**	1	11/9/2023
OIL AND GREASE			**E1664A**		Prep Date: **11/8/2023**		Analyst: **SMH**
Oil and Grease	ND	4.5	0		mg/L	1	11/8/2023
PHOSPHORUS, TOTAL			**E365.1 R2.0**				Analyst: **EE**
Phosphorus, Total	**0.084**	**0.050**	**0**		**mg/L**	1	11/10/2023
PH (LABORATORY)			**E150.1**				Analyst: **CLJ**
pH (laboratory)	**6.76**	**0.100**	**0**	H	**s.u.**	1	11/7/2023
Temperature	**20.7**	**0.100**	**0**	H	**°C**	1	11/7/2023
PHENOLICS, TOTAL			**E420.4**				Analyst: **RZM**
Phenolics, Total	ND	0.0050	0		mg/L	1	11/7/2023
NITROGEN, TOTAL KJELDAHL			**A4500-NH3 G-11**		Prep Date: **11/6/2023**		Analyst: **JMT**
Nitrogen, Total Kjeldahl	ND	1.0	0		mg/L	1	11/7/2023
TOTAL SUSPENDED SOLIDS			**E160.2**		Prep Date: **11/9/2023**		Analyst: **SRN**
Total Suspended Solids	**49.0**	**3.00**	**0**		**mg/L**	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-96@3'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-85	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/11/2023
1,2-Dibromoethane	ND	32	20		µg/Kg-dry	1	11/11/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/11/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/11/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/11/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/11/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/11/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/11/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-96@3'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-85	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/11/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/11/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/11/2023
Methyl iodide	ND	530	100		µg/Kg-dry	1	11/11/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/11/2023
Methylene chloride	ND	270	100		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/11/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/11/2023
Tetrachloroethene	**700**	**50**	**50**		**µg/Kg-dry**	1	11/11/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/11/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/11/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/11/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/11/2023
Surr: 1,2-Dichloroethane-d4	*106*	*80-120*			*%REC*	1	11/11/2023
Surr: 4-Bromofluorobenzene	*95.2*	*80-120*			*%REC*	1	11/11/2023
Surr: Dibromofluoromethane	*88.5*	*80-120*			*%REC*	1	11/11/2023
Surr: Toluene-d8	*100*	*80-120*			*%REC*	1	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**2.5**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-96@5'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-86	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/11/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/11/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/11/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/11/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/11/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/11/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/11/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/11/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-96@5'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-86	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/11/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/11/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/11/2023
Methyl iodide	ND	570	100		µg/Kg-dry	1	11/11/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/11/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/11/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/11/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/11/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/11/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/11/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/11/2023
Surr: 1,2-Dichloroethane-d4	*105*	*80-120*			*%REC*	1	11/11/2023
Surr: 4-Bromofluorobenzene	*96.7*	*80-120*			*%REC*	1	11/11/2023
Surr: Dibromofluoromethane	*90.0*	*80-120*			*%REC*	1	11/11/2023
Surr: Toluene-d8	*102*	*80-120*			*%REC*	1	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**2.5**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-96@7'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-87	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dibromo-3-chloropropane	ND	130	10		µg/Kg-dry	1	11/11/2023
1,2-Dibromoethane	ND	38	20		µg/Kg-dry	1	11/11/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,3,5-Trimethylbenzene	ND	130	100		µg/Kg-dry	1	11/11/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/11/2023
Acrylonitrile	ND	130	100		µg/Kg-dry	1	11/11/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/11/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/11/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/11/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloroethane	**2,500**	**250**	**250**		**µg/Kg-dry**	1	11/11/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-96@7'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-87	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/11/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Hexachloroethane	ND	130	0		µg/Kg-dry	1	11/11/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/11/2023
Methyl iodide	ND	640	100		µg/Kg-dry	1	11/11/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/11/2023
Methylene chloride	ND	320	100		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/11/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/11/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/11/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/11/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/11/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/11/2023
Surr: 1,2-Dichloroethane-d4	*105*	*80-120*			*%REC*	1	11/11/2023
Surr: 4-Bromofluorobenzene	*101*	*80-120*			*%REC*	1	11/11/2023
Surr: Dibromofluoromethane	*101*	*80-120*			*%REC*	1	11/11/2023
Surr: Toluene-d8	*97.7*	*80-120*			*%REC*	1	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.5**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-96@9'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-88	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/11/2023
1,2-Dibromoethane	ND	37	20		µg/Kg-dry	1	11/11/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/11/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/11/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/11/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/11/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/11/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/11/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-96@9'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-88	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/11/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/11/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/11/2023
Methyl iodide	ND	610	100		µg/Kg-dry	1	11/11/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/11/2023
Methylene chloride	ND	310	100		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/11/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/11/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/11/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/11/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/11/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/11/2023
Surr: 1,2-Dichloroethane-d4	*104*	*80-120*			*%REC*	1	11/11/2023
Surr: 4-Bromofluorobenzene	*91.9*	*80-120*			*%REC*	1	11/11/2023
Surr: Dibromofluoromethane	*91.1*	*80-120*			*%REC*	1	11/11/2023
Surr: Toluene-d8	*98.0*	*80-120*			*%REC*	1	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.7**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-96@11'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-89	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/11/2023
1,2-Dibromoethane	ND	37	20		µg/Kg-dry	1	11/11/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/11/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/11/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/11/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/11/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/11/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/11/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloroethane	**1,300**	**250**	**250**		**µg/Kg-dry**	1	11/11/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-96@11'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-89	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/11/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/11/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/11/2023
Methyl iodide	ND	620	100		µg/Kg-dry	1	11/11/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/11/2023
Methylene chloride	ND	310	100		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/11/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/11/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/11/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/11/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/11/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/11/2023
Surr: 1,2-Dichloroethane-d4	*102*	*80-120*			*%REC*	1	11/11/2023
Surr: 4-Bromofluorobenzene	*103*	*80-120*			*%REC*	1	11/11/2023
Surr: Dibromofluoromethane	*99.2*	*80-120*			*%REC*	1	11/11/2023
Surr: Toluene-d8	*96.0*	*80-120*			*%REC*	1	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**5.3**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-96@13'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-90	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/11/2023
1,2-Dibromoethane	ND	32	20		µg/Kg-dry	1	11/11/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/11/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/11/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/11/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/11/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/11/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/11/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloroethane	**1,500**	**250**	**250**		**µg/Kg-dry**	1	11/11/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-96@13'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-90	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/11/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/11/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/11/2023
Methyl iodide	ND	530	100		µg/Kg-dry	1	11/11/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/11/2023
Methylene chloride	ND	260	100		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/11/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/11/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/11/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/11/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/11/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/11/2023
Surr: 1,2-Dichloroethane-d4	*103*	*80-120*			*%REC*	1	11/11/2023
Surr: 4-Bromofluorobenzene	*101*	*80-120*			*%REC*	1	11/11/2023
Surr: Dibromofluoromethane	*95.1*	*80-120*			*%REC*	1	11/11/2023
Surr: Toluene-d8	*99.4*	*80-120*			*%REC*	1	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.1**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-96@16'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-91	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/11/2023
1,2-Dibromoethane	ND	32	20		µg/Kg-dry	1	11/11/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/11/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/11/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/11/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/11/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/11/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/11/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloroethane	**1,100**	**250**	**250**		**µg/Kg-dry**	1	11/11/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-96@16'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-91	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/11/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/11/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/11/2023
Methyl iodide	ND	530	100		µg/Kg-dry	1	11/11/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/11/2023
Methylene chloride	ND	270	100		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/11/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/11/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/11/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/11/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/11/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/11/2023
Surr: 1,2-Dichloroethane-d4	*103*	*80-120*			*%REC*	1	11/11/2023
Surr: 4-Bromofluorobenzene	*105*	*80-120*			*%REC*	1	11/11/2023
Surr: Dibromofluoromethane	*94.8*	*80-120*			*%REC*	1	11/11/2023
Surr: Toluene-d8	*92.0*	*80-120*			*%REC*	1	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.3**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-96@18'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-92	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2,2-Tetrachloroethane	**56**	**50**	**50**		**µg/Kg-dry**	1	11/11/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/11/2023
1,2-Dibromoethane	ND	36	20		µg/Kg-dry	1	11/11/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/11/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/11/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/11/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/11/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/11/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/11/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloroethane	**2,600**	**250**	**250**		**µg/Kg-dry**	1	11/11/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-96@18'
Work Order:	23110289	**Collection Date:**	10/31/2023
Project:	Otwell - West State Street 20-393A		
Lab ID:	23110289-92	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/11/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/11/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/11/2023
Methyl iodide	ND	600	100		µg/Kg-dry	1	11/11/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/11/2023
Methylene chloride	ND	300	100		µg/Kg-dry	1	11/11/2023
Naphthalene	**400**	**330**	**330**		**µg/Kg-dry**	1	11/11/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/11/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/11/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/11/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,4-Dichloro-2-butene	**92**	**50**	**50**		**µg/Kg-dry**	1	11/11/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/11/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/11/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/11/2023
Surr: 1,2-Dichloroethane-d4	*102*	*80-120*			*%REC*	1	11/11/2023
Surr: 4-Bromofluorobenzene	*110*	*80-120*			*%REC*	1	11/11/2023
Surr: Dibromofluoromethane	*96.3*	*80-120*			*%REC*	1	11/11/2023
Surr: Toluene-d8	*96.7*	*80-120*			*%REC*	1	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**13**	**0.10**	**0**		**% of sample**	1	11/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C.
Project: Otwell - West State Street 20-393A
WorkOrder: **23110289**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

Units Reported	Description
% of sample	Percent of Sample
°C	Degrees Celcius
°F	Degrees Fahrenheit
µg/Kg-dry	Micrograms per Kilogram Dry Weight
µg/L	Micrograms per Liter
mg/Kg-dry	Milligrams per Kilogram Dry Weight

mg/L	Milligrams per Liter
s.u.	Standard Units

ALS Group, USA
Holland, Michigan

Sample Receipt Checklist

Client Name: **OTWELL** Date/Time Received: **03-Nov-23 09:00**

Work Order: **23110289** Received by: **WSK**

Checklist completed by Weston Katecki (eSignature) 03-Nov-23 (Date) Reviewed by: Gary Byar (eSignature) 03-Nov-23 (Date)

Matrices: Soil/Groundwater
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	4.0/4.0C	DF2	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	11/3/2023 11:32:10 AM		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:	-		

Login Notes: pH checked <2

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

ALS Group, USA

Date: 14-Nov-23

Client: Otwell Mawby, P. C.

Work Order: 23110289

Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228650** Instrument ID **HG5** Method: **SW7470A**

MBLK Sample ID: **MBLK-228650-228650** Units: **mg/L** Analysis Date: **11/6/2023 04:02 PM**

Client ID: Run ID: **HG5_231106B** SeqNo: **10170528** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.00020								

LCS Sample ID: **LCS-228650-228650** Units: **mg/L** Analysis Date: **11/6/2023 04:04 PM**

Client ID: Run ID: **HG5_231106B** SeqNo: **10170529** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00207	0.00020	0.002	0	104	80-120	0			

MS Sample ID: **23110442-22AMS** Units: **mg/L** Analysis Date: **11/6/2023 04:57 PM**

Client ID: Run ID: **HG5_231106B** SeqNo: **10170559** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00207	0.00020	0.002	-0.000036	105	75-125	0			

MSD Sample ID: **23110442-22AMSD** Units: **mg/L** Analysis Date: **11/6/2023 04:59 PM**

Client ID: Run ID: **HG5_231106B** SeqNo: **10170560** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00204	0.00020	0.002	-0.000036	104	75-125	0.00207	1.46	20	

The following samples were analyzed in this batch: 23110289-83G 23110289-84G

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228746** Instrument ID **HG5** Method: **SW7471B**

MBLK Sample ID: **MBLK-228746-228746** Units: **mg/Kg** Analysis Date: **11/8/2023 10:20 AM**
Client ID: Run ID: **HG5_231108A** SeqNo: **10177138** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.020								

LCS Sample ID: **LCS-228746-228746** Units: **mg/Kg** Analysis Date: **11/8/2023 10:21 AM**
Client ID: Run ID: **HG5_231108A** SeqNo: **10177139** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1642	0.020	0.1665	0	98.6	80-120	0			

MS Sample ID: **23110289-04AMS** Units: **mg/Kg** Analysis Date: **11/8/2023 10:51 AM**
Client ID: **GP-71@7'** Run ID: **HG5_231108A** SeqNo: **10177154** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1373	0.017	0.1444	-0.005604	99	75-125	0			

MSD Sample ID: **23110289-04AMSD** Units: **mg/Kg** Analysis Date: **11/8/2023 10:53 AM**
Client ID: **GP-71@7'** Run ID: **HG5_231108A** SeqNo: **10177155** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1481	0.018	0.1465	-0.005604	105	75-125	0.1373	7.58	35	

The following samples were analyzed in this batch:

23110289-01A	23110289-02A	23110289-03A
23110289-04A	23110289-05A	23110289-06A
23110289-07A	23110289-08A	23110289-09A
23110289-10A	23110289-11A	23110289-12A
23110289-13A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228747** Instrument ID **HG5** Method: **SW7471B**

MBLK Sample ID: **MBLK-228747-228747** Units: **mg/Kg** Analysis Date: **11/8/2023 11:19 AM**
Client ID: Run ID: **HG5_231108A** SeqNo: **10177168** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.020								

LCS Sample ID: **LCS-228747-228747** Units: **mg/Kg** Analysis Date: **11/8/2023 11:21 AM**
Client ID: Run ID: **HG5_231108A** SeqNo: **10177169** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.165	0.020	0.1665	0	99.1	80-120	0			

MS Sample ID: **23110289-14AMS** Units: **mg/Kg** Analysis Date: **11/8/2023 11:25 AM**
Client ID: **GP-77@5'** Run ID: **HG5_231108A** SeqNo: **10177171** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1636	0.019	0.1556	-0.007066	110	75-125	0			

MSD Sample ID: **23110289-14AMSD** Units: **mg/Kg** Analysis Date: **11/8/2023 11:28 AM**
Client ID: **GP-77@5'** Run ID: **HG5_231108A** SeqNo: **10177172** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1661	0.019	0.1573	-0.007066	110	75-125	0.1636	1.57	35	

The following samples were analyzed in this batch: 23110289-14A 23110289-15A 23110289-16A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228907** Instrument ID **HG5** Method: **SW7470A**

MBLK Sample ID: **MBLK-228907-228907** Units: **mg/L** Analysis Date: **11/9/2023 02:33 PM**
Client ID: Run ID: **HG5_231109B** SeqNo: **10185441** Prep Date: **11/9/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.00020								

LCS Sample ID: **LCS-228907-228907** Units: **mg/L** Analysis Date: **11/9/2023 02:35 PM**
Client ID: Run ID: **HG5_231109B** SeqNo: **10185442** Prep Date: **11/9/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00198	0.00020	0.002	0	99	80-120	0			

MS Sample ID: **23110042-24BMS** Units: **mg/L** Analysis Date: **11/9/2023 02:58 PM**
Client ID: Run ID: **HG5_231109B** SeqNo: **10185455** Prep Date: **11/9/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00189	0.00020	0.002	-0.000072	98.1	75-125	0			

MSD Sample ID: **23110042-24BMSD** Units: **mg/L** Analysis Date: **11/9/2023 02:59 PM**
Client ID: Run ID: **HG5_231109B** SeqNo: **10185456** Prep Date: **11/9/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.001965	0.00020	0.002	-0.000072	102	75-125	0.00189	3.89	20	

The following samples were analyzed in this batch: 23110289-81A 23110289-82A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228949** Instrument ID **ICP2** Method: **SW6010D**

MBLK Sample ID: **MBLK-228949-228949** Units: **mg/L** Analysis Date: **11/10/2023 02:10 PM**
Client ID: Run ID: **ICP2_231110A** SeqNo: **10190639** Prep Date: **11/10/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.0050								
Barium	ND	0.0050								
Cadmium	ND	0.010								
Chromium	ND	0.0050								
Lead	ND	0.0050								
Selenium	ND	0.010								
Silver	ND	0.0050								

LCS Sample ID: **LCS-228949-228949** Units: **mg/L** Analysis Date: **11/10/2023 02:16 PM**
Client ID: Run ID: **ICP2_231110A** SeqNo: **10190640** Prep Date: **11/10/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.09764	0.0050	0.1	0	97.6	80-120	0			
Barium	0.1015	0.0050	0.1	0	102	80-120	0			
Cadmium	0.1018	0.010	0.1	0	102	80-120	0			
Chromium	0.1008	0.0050	0.1	0	101	80-120	0			
Lead	0.1001	0.0050	0.1	0	100	80-120	0			
Selenium	0.0978	0.010	0.1	0	97.8	80-120	0			
Silver	0.0993	0.0050	0.1	0	99.3	80-120	0			

MS Sample ID: **23110774-01AMS** Units: **mg/L** Analysis Date: **11/10/2023 03:26 PM**
Client ID: Run ID: **ICP2_231110A** SeqNo: **10193944** Prep Date: **11/10/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	1.004	0.050	1	0.0374	96.6	75-125	0			
Cadmium	0.994	0.10	1	0	99.4	75-125	0			
Chromium	1.222	0.050	1	0.257	96.5	75-125	0			
Lead	0.958	0.050	1	0.0312	92.7	75-125	0			
Selenium	0.933	0.10	1	-0.0519	98.5	75-125	0			
Silver	0.985	0.050	1	0	98.5	75-125	0			

MS Sample ID: **23110774-01AMS** Units: **mg/L** Analysis Date: **11/13/2023 04:06 PM**
Client ID: Run ID: **ICP2_231113A** SeqNo: **10199934** Prep Date: **11/10/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	1.131	0.050	1	0.0465	108	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228949** Instrument ID **ICP2** Method: **SW6010D**

MSD Sample ID: **23110774-01AMSD** Units: **mg/L** Analysis Date: **11/10/2023 03:31 PM**
Client ID: Run ID: **ICP2_231110A** SeqNo: **10193945** Prep Date: **11/10/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	1.006	0.050	1	0.0374	96.8	75-125	1.004	0.201	20	
Cadmium	0.998	0.10	1	0	99.8	75-125	0.994	0.402	20	
Chromium	1.227	0.050	1	0.257	97	75-125	1.222	0.426	20	
Lead	0.97	0.050	1	0.0312	93.9	75-125	0.958	1.24	20	
Selenium	0.929	0.10	1	-0.0519	98.1	75-125	0.933	0.43	20	
Silver	0.988	0.050	1	0	98.8	75-125	0.985	0.304	20	

MSD Sample ID: **23110774-01AMSD** Units: **mg/L** Analysis Date: **11/13/2023 04:11 PM**
Client ID: Run ID: **ICP2_231113A** SeqNo: **10199935** Prep Date: **11/10/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	1.101	0.050	1	0.0465	105	75-125	1.131	2.63	20	

The following samples were analyzed in this batch: 23110289-81A 23110289-82A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228607** Instrument ID **ICPMS3** Method: **SW6020B**

MBLK Sample ID: **MBLK-228607-228607** Units: **mg/Kg** Analysis Date: **11/7/2023 11:10 PM**
Client ID: Run ID: **ICPMS3_231107B** SeqNo: **10176070** Prep Date: **11/4/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	ND	0.25								
Cadmium	ND	0.10								
Lead	ND	0.25								

MBLK Sample ID: **MBLK-228607-228607** Units: **mg/Kg** Analysis Date: **11/8/2023 05:40 PM**
Client ID: Run ID: **ICPMS3_231108B** SeqNo: **10181196** Prep Date: **11/4/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Chromium	ND	0.25								
Copper	ND	0.25								
Selenium	ND	0.25								
Silver	ND	0.25								
Zinc	ND	0.50								

LCS Sample ID: **LCS-228607-228607** Units: **mg/Kg** Analysis Date: **11/7/2023 11:12 PM**
Client ID: Run ID: **ICPMS3_231107B** SeqNo: **10176071** Prep Date: **11/4/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	5.321	0.25	5	0	106	80-120	0			
Cadmium	5.33	0.10	5	0	107	80-120	0			
Lead	5.293	0.25	5	0	106	80-120	0			

LCS Sample ID: **LCS-228607-228607** Units: **mg/Kg** Analysis Date: **11/8/2023 05:41 PM**
Client ID: Run ID: **ICPMS3_231108B** SeqNo: **10181197** Prep Date: **11/4/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.984	0.25	5	0	99.7	80-120	0			
Chromium	5.069	0.25	5	0	101	80-120	0			
Copper	5.182	0.25	5	0	104	80-120	0			
Selenium	5.083	0.25	5	0	102	80-120	0			
Silver	4.731	0.25	5	0	94.6	80-120	0			
Zinc	5.009	0.50	5	0	100	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228607** Instrument ID **ICPMS3** Method: **SW6020B**

MS Sample ID: **23102682-01AMS** Units: **mg/Kg** Analysis Date: **11/7/2023 11:15 PM**
Client ID: Run ID: **ICPMS3_231107B** SeqNo: **10176073** Prep Date: **11/4/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	122	0.30	6.024	114.4	127	75-125	0			SEO
Cadmium	4.884	0.12	6.024	-0.02632	81.5	75-125	0			
Lead	16.2	0.30	6.024	10.73	90.7	75-125	0			

MS Sample ID: **23102682-01AMS** Units: **mg/Kg** Analysis Date: **11/8/2023 03:56 PM**
Client ID: Run ID: **ICPMS3_231108B** SeqNo: **10179566** Prep Date: **11/4/2023** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	14.97	3.0	6.024	8.674	105	75-125	0			
Chromium	23.34	3.0	6.024	15.28	134	75-125	0			S
Copper	21.41	3.0	6.024	15.05	106	75-125	0			
Selenium	6.426	3.0	6.024	0.7472	94.3	75-125	0			
Silver	6.245	3.0	6.024	0.02013	103	75-125	0			
Zinc	57.96	6.0	6.024	49.75	136	75-125	0			SO

MSD Sample ID: **23102682-01AMSD** Units: **mg/Kg** Analysis Date: **11/7/2023 11:17 PM**
Client ID: Run ID: **ICPMS3_231107B** SeqNo: **10176074** Prep Date: **11/4/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	109.6	0.30	6.09	114.4	-78.5	75-125	122	10.7	20	SEO
Cadmium	5.089	0.12	6.09	-0.02632	84	75-125	4.884	4.11	20	
Lead	15.97	0.30	6.09	10.73	86	75-125	16.2	1.39	20	

MSD Sample ID: **23102682-01AMSD** Units: **mg/Kg** Analysis Date: **11/8/2023 03:58 PM**
Client ID: Run ID: **ICPMS3_231108B** SeqNo: **10179567** Prep Date: **11/4/2023** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	13.33	3.0	6.09	8.674	76.5	75-125	14.97	11.6	20	
Chromium	25.92	3.0	6.09	15.28	175	75-125	23.34	10.5	20	S
Copper	20.67	3.0	6.09	15.05	92.4	75-125	21.41	3.5	20	
Selenium	6.36	3.0	6.09	0.7472	92.2	75-125	6.426	1.03	20	
Silver	6.314	3.0	6.09	0.02013	103	75-125	6.245	1.11	20	
Zinc	56.19	6.1	6.09	49.75	106	75-125	57.96	3.12	20	O

The following samples were analyzed in this batch: 23110289-08A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228611** Instrument ID **ICPMS3** Method: **SW6020B**

MBLK Sample ID: **MBLK-228611-228611** Units: **mg/Kg** Analysis Date: **11/8/2023 02:15 AM**
Client ID: Run ID: **ICPMS3_231107B** SeqNo: **10176184** Prep Date: **11/4/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Barium	ND	0.25								
Cadmium	ND	0.10								
Chromium	ND	0.25								
Copper	ND	0.25								
Lead	ND	0.25								
Selenium	ND	0.25								
Silver	ND	0.25								
Zinc	ND	0.50								

LCS Sample ID: **LCS-228611-228611** Units: **mg/Kg** Analysis Date: **11/8/2023 02:16 AM**
Client ID: Run ID: **ICPMS3_231107B** SeqNo: **10176185** Prep Date: **11/4/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	5.16	0.25	5	0	103	80-120	0			
Barium	5.368	0.25	5	0	107	80-120	0			
Cadmium	5.29	0.10	5	0	106	80-120	0			
Chromium	5.208	0.25	5	0	104	80-120	0			
Copper	5.343	0.25	5	0	107	80-120	0			
Lead	5.336	0.25	5	0	107	80-120	0			
Selenium	5.183	0.25	5	0	104	80-120	0			
Silver	5.647	0.25	5	0	113	80-120	0			
Zinc	5.215	0.50	5	0	104	80-120	0			

MS Sample ID: **23110289-01AMS** Units: **mg/Kg** Analysis Date: **11/8/2023 02:37 AM**
Client ID: **GP-70 @3'** Run ID: **ICPMS3_231107B** SeqNo: **10176196** Prep Date: **11/4/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	6.246	0.30	5.995	0.3132	99	75-125	0			
Cadmium	5.933	0.12	5.995	0.03302	98.4	75-125	0			
Chromium	7.112	0.30	5.995	0.8392	105	75-125	0			
Copper	7.473	0.30	5.995	1.954	92.1	75-125	0			
Selenium	6.057	0.30	5.995	0.1746	98.1	75-125	0			
Silver	5.429	0.30	5.995	0.0119	90.4	75-125	0			
Zinc	10.87	0.60	5.995	4.513	106	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228611** Instrument ID **ICPMS3** Method: **SW6020B**

MS Sample ID: **23110289-01AMS** Units: **mg/Kg** Analysis Date: **11/8/2023 07:01 PM**
Client ID: **GP-70 @3'** Run ID: **ICPMS3_231108B** SeqNo: **10181245** Prep Date: **11/4/2023** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	14.7	3.0	5.995	11.48	53.7	75-125	0			S
Lead	11.92	3.0	5.995	6.859	84.4	75-125	0			

MSD Sample ID: **23110289-01AMSD** Units: **mg/Kg** Analysis Date: **11/8/2023 02:39 AM**
Client ID: **GP-70 @3'** Run ID: **ICPMS3_231107B** SeqNo: **10176197** Prep Date: **11/4/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	6.114	0.31	6.112	0.3132	94.9	75-125	6.246	2.13	20	
Cadmium	6.01	0.12	6.112	0.03302	97.8	75-125	5.933	1.29	20	
Chromium	6.536	0.31	6.112	0.8392	93.2	75-125	7.112	8.44	20	
Copper	7.516	0.31	6.112	1.954	91	75-125	7.473	0.563	20	
Selenium	6.058	0.31	6.112	0.1746	96.2	75-125	6.057	0.0183	20	
Silver	6.4	0.31	6.112	0.0119	105	75-125	5.429	16.4	20	
Zinc	10.25	0.61	6.112	4.513	93.8	75-125	10.87	5.94	20	

MSD Sample ID: **23110289-01AMSD** Units: **mg/Kg** Analysis Date: **11/8/2023 07:02 PM**
Client ID: **GP-70 @3'** Run ID: **ICPMS3_231108B** SeqNo: **10181246** Prep Date: **11/4/2023** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	19.93	3.1	6.112	11.48	138	75-125	14.7	30.2	20	SR
Lead	9.898	3.1	6.112	6.859	49.7	75-125	11.92	18.5	20	S

The following samples were analyzed in this batch:

23110289-01A	23110289-02A	23110289-03A
23110289-04A	23110289-05A	23110289-06A
23110289-07A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228633** Instrument ID **ICPMS3** Method: **SW6020B**

MBLK Sample ID: **MBLK-228633-228633** Units: **mg/L** Analysis Date: **11/7/2023 06:42 PM**
Client ID: Run ID: **ICPMS3_231107A** SeqNo: **10175081** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.0050								
Barium	0.002634	0.0050								J
Cadmium	ND	0.0020								
Chromium	ND	0.0050								
Copper	ND	0.0050								
Lead	0.0002288	0.0050								J
Molybdenum	ND	0.0050								
Nickel	ND	0.0050								
Selenium	ND	0.0050								
Thallium	ND	0.0050								
Zinc	0.002548	0.010								J

LCS Sample ID: **LCS-228633-228633** Units: **mg/L** Analysis Date: **11/7/2023 06:44 PM**
Client ID: Run ID: **ICPMS3_231107A** SeqNo: **10175082** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0974	0.0050	0.1	0	97.4	80-120	0			
Barium	0.1044	0.0050	0.1	0	104	80-120	0			
Cadmium	0.1056	0.0020	0.1	0	106	80-120	0			
Chromium	0.1009	0.0050	0.1	0	101	80-120	0			
Copper	0.1044	0.0050	0.1	0	104	80-120	0			
Lead	0.1007	0.0050	0.1	0	101	80-120	0			
Molybdenum	0.1011	0.0050	0.1	0	101	80-120	0			
Nickel	0.1011	0.0050	0.1	0	101	80-120	0			
Selenium	0.08882	0.0050	0.1	0	88.8	80-120	0			
Thallium	0.09466	0.0050	0.1	0	94.7	80-120	0			
Zinc	0.1053	0.010	0.1	0	105	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228633** Instrument ID **ICPMS3** Method: **SW6020B**

MS Sample ID: **23110289-83GMS** Units: **mg/L** Analysis Date: **11/7/2023 07:13 PM**
Client ID: **GP-94** Run ID: **ICPMS3_231107A** SeqNo: **10175098** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.09976	0.0050	0.1	0.001192	98.6	75-125	0			
Barium	0.133	0.0050	0.1	0.02895	104	75-125	0			
Cadmium	0.1056	0.0020	0.1	0.0000253	106	75-125	0			
Chromium	0.1024	0.0050	0.1	0.003954	98.5	75-125	0			
Copper	0.1061	0.0050	0.1	0.003563	103	75-125	0			
Lead	0.1012	0.0050	0.1	0.0007469	100	75-125	0			
Molybdenum	0.1078	0.0050	0.1	0.00644	101	75-125	0			
Nickel	0.1017	0.0050	0.1	0.002103	99.6	75-125	0			
Thallium	0.09429	0.0050	0.1	0.000022	94.3	75-125	0			
Zinc	0.1053	0.010	0.1	0.003928	101	75-125	0			

MS Sample ID: **23110289-83GMS** Units: **mg/L** Analysis Date: **11/8/2023 01:39 PM**
Client ID: **GP-94** Run ID: **ICPMS3_231108A** SeqNo: **10179254** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Selenium	0.09219	0.0050	0.1	0.0008679	91.3	75-125	0			

MSD Sample ID: **23110289-83GMSD** Units: **mg/L** Analysis Date: **11/7/2023 07:15 PM**
Client ID: **GP-94** Run ID: **ICPMS3_231107A** SeqNo: **10175099** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1009	0.0050	0.1	0.001192	99.7	75-125	0.09976	1.12	20	
Barium	0.1328	0.0050	0.1	0.02895	104	75-125	0.133	0.144	20	
Cadmium	0.1084	0.0020	0.1	0.0000253	108	75-125	0.1056	2.61	20	
Chromium	0.1022	0.0050	0.1	0.003954	98.2	75-125	0.1024	0.222	20	
Copper	0.1068	0.0050	0.1	0.003563	103	75-125	0.1061	0.622	20	
Lead	0.1023	0.0050	0.1	0.0007469	102	75-125	0.1012	1.04	20	
Molybdenum	0.1102	0.0050	0.1	0.00644	104	75-125	0.1078	2.23	20	
Nickel	0.1031	0.0050	0.1	0.002103	101	75-125	0.1017	1.33	20	
Thallium	0.09603	0.0050	0.1	0.000022	96	75-125	0.09429	1.82	20	
Zinc	0.1075	0.010	0.1	0.003928	104	75-125	0.1053	2.07	20	

MSD Sample ID: **23110289-83GMSD** Units: **mg/L** Analysis Date: **11/8/2023 01:41 PM**
Client ID: **GP-94** Run ID: **ICPMS3_231108A** SeqNo: **10179255** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Selenium	0.09787	0.0050	0.1	0.0008679	97	75-125	0.09219	5.98	20	

The following samples were analyzed in this batch: 23110289-83G 23110289-84G

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228677** Instrument ID **ICPMS3** Method: **SW6020B**

MBLK Sample ID: **MBLK-228677-228677** Units: **mg/Kg** Analysis Date: **11/8/2023 03:06 AM**
Client ID: Run ID: **ICPMS3_231107B** SeqNo: **10176212** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Barium	ND	0.25								
Cadmium	ND	0.10								
Chromium	ND	0.25								
Copper	ND	0.25								
Lead	ND	0.25								
Selenium	ND	0.25								
Silver	ND	0.25								
Zinc	ND	0.50								

LCS Sample ID: **LCS-228677-228677** Units: **mg/Kg** Analysis Date: **11/8/2023 03:07 AM**
Client ID: Run ID: **ICPMS3_231107B** SeqNo: **10176213** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	2.483	0.25	2.5	0	99.3	80-120	0			
Barium	2.515	0.25	2.5	0	101	80-120	0			
Cadmium	2.507	0.10	2.5	0	100	80-120	0			
Chromium	2.565	0.25	2.5	0	103	80-120	0			
Copper	2.574	0.25	2.5	0	103	80-120	0			
Lead	2.537	0.25	2.5	0	101	80-120	0			
Selenium	2.55	0.25	2.5	0	102	80-120	0			
Silver	2.547	0.25	2.5	0	102	80-120	0			
Zinc	2.621	0.50	2.5	0	105	80-120	0			

MS Sample ID: **23110289-10AMS** Units: **mg/Kg** Analysis Date: **11/8/2023 03:18 AM**
Client ID: **GP-75@5'** Run ID: **ICPMS3_231107B** SeqNo: **10176219** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	3.503	0.29	2.91	0.7288	95.3	75-125	0			
Barium	6.419	0.29	2.91	2.829	123	75-125	0			
Cadmium	2.899	0.12	2.91	0	99.6	75-125	0			
Chromium	4.361	0.29	2.91	1.177	109	75-125	0			
Copper	3.285	0.29	2.91	0.3586	101	75-125	0			
Lead	3.536	0.29	2.91	0.7378	96.1	75-125	0			
Selenium	2.996	0.29	2.91	0	103	75-125	0			
Silver	2.871	0.29	2.91	0	98.7	75-125	0			
Zinc	4.922	0.58	2.91	1.651	112	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228677** Instrument ID **ICPMS3** Method: **SW6020B**

MSD Sample ID: **23110289-10AMSD** Units: **mg/Kg** Analysis Date: **11/8/2023 03:20 AM**

Client ID: **GP-75@5'** Run ID: **ICPMS3_231107B** SeqNo: **10176220** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	3.413	0.28	2.844	0.7288	94.4	75-125	3.503	2.6	20	
Barium	6.378	0.28	2.844	2.829	125	75-125	6.419	0.633	20	
Cadmium	2.819	0.11	2.844	0	99.1	75-125	2.899	2.81	20	
Chromium	4.356	0.28	2.844	1.177	112	75-125	4.361	0.113	20	
Copper	3.358	0.28	2.844	0.3586	105	75-125	3.285	2.19	20	
Lead	3.437	0.28	2.844	0.7378	94.9	75-125	3.536	2.82	20	
Selenium	2.787	0.28	2.844	0	98	75-125	2.996	7.23	20	
Silver	2.797	0.28	2.844	0	98.3	75-125	2.871	2.61	20	
Zinc	4.717	0.57	2.844	1.651	108	75-125	4.922	4.26	20	

The following samples were analyzed in this batch:

23110289-09A	23110289-10A	23110289-11A
23110289-12A	23110289-13A	23110289-14A
23110289-15A	23110289-16A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228653** Instrument ID **SVMS6** Method: **SW8270E**

MBLK Sample ID: **SBLKS1-228653-228653** Units: **µg/Kg** Analysis Date: **11/6/2023 04:06 PM**

Client ID: Run ID: **SVMS6_231106A** SeqNo: **10173185** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	ND	4.2								
Acenaphthene	ND	4.2								
Acenaphthylene	ND	4.2								
Anthracene	ND	4.2								
Benzo(a)anthracene	ND	4.2								
Benzo(a)pyrene	ND	4.2								
Benzo(b)fluoranthene	ND	4.2								
Benzo(g,h,i)perylene	ND	4.2								
Benzo(k)fluoranthene	ND	4.2								
Chrysene	ND	4.2								
Dibenzo(a,h)anthracene	ND	4.2								
Fluoranthene	ND	4.2								
Fluorene	ND	4.2								
Indeno(1,2,3-cd)pyrene	ND	4.2								
Naphthalene	ND	4.2								
Phenanthrene	ND	4.2								
Pyrene	ND	4.2								
Surr: 2-Fluorobiphenyl	*579.8*	0	*666.6*	0	*87*	*20-140*	0			
Surr: 4-Terphenyl-d14	*596.3*	0	*666.6*	0	*89.4*	*22-172*	0			
Surr: Nitrobenzene-d5	*692*	0	*666.6*	0	*104*	*28-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228653** Instrument ID **SVMS6** Method: **SW8270E**

LCS Sample ID: **SLCSS1-228653-228653** Units: **µg/Kg** Analysis Date: **11/6/2023 04:22 PM**

Client ID: Run ID: **SVMS6_231106A** SeqNo: **10173186** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	950.5	4.2	666.6	0	143	40-140	0			S
Acenaphthene	778.7	4.2	666.6	0	117	40-140	0			
Acenaphthylene	748.7	4.2	666.6	0	112	40-140	0			
Anthracene	795	4.2	666.6	0	119	40-140	0			
Benzo(a)anthracene	757.3	4.2	666.6	0	114	40-140	0			
Benzo(a)pyrene	749.6	4.2	666.6	0	112	40-140	0			
Benzo(b)fluoranthene	643	4.2	666.6	0	96.5	40-140	0			
Benzo(g,h,i)perylene	673.7	4.2	666.6	0	101	40-140	0			
Benzo(k)fluoranthene	719.6	4.2	666.6	0	108	40-140	0			
Chrysene	813.1	4.2	666.6	0	122	40-140	0			
Dibenzo(a,h)anthracene	689.9	4.2	666.6	0	103	40-140	0			
Fluoranthene	799.3	4.2	666.6	0	120	40-140	0			
Fluorene	729.1	4.2	666.6	0	109	40-140	0			
Indeno(1,2,3-cd)pyrene	698.1	4.2	666.6	0	105	40-140	0			
Naphthalene	794.8	4.2	666.6	0	119	40-140	0			
Phenanthrene	782.9	4.2	666.6	0	117	40-140	0			
Pyrene	759.5	4.2	666.6	0	114	40-140	0			
Surr: 2-Fluorobiphenyl	*583.8*	0	*666.6*	0	*87.6*	*20-140*	0			
Surr: 4-Terphenyl-d14	*586.5*	0	*666.6*	0	*88*	*22-172*	0			
Surr: Nitrobenzene-d5	*645.2*	0	*666.6*	0	*96.8*	*28-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228653** Instrument ID **SVMS6** Method: **SW8270E**

MS Sample ID: **23110289-02A MS** Units: **µg/Kg** Analysis Date: **11/7/2023 08:10 PM**

Client ID: **GP-70@5.5'** Run ID: **SVMS6_231107A** SeqNo: **10176777** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	703.7	4.0	647	0	109	40-140	0			
Acenaphthene	757.5	4.0	647	0	117	40-140	0			
Acenaphthylene	744.4	4.0	647	0	115	40-140	0			
Anthracene	784	4.0	647	0	121	40-140	0			
Benzo(a)anthracene	747.8	4.0	647	0	116	40-140	0			
Benzo(a)pyrene	764.5	4.0	647	0	118	40-140	0			
Benzo(b)fluoranthene	682.6	4.0	647	0	105	40-140	0			
Benzo(g,h,i)perylene	617.3	4.0	647	0	95.4	40-140	0			
Benzo(k)fluoranthene	713.9	4.0	647	0	110	40-140	0			
Chrysene	816	4.0	647	0	126	40-140	0			
Dibenzo(a,h)anthracene	656.5	4.0	647	0	101	40-140	0			
Fluoranthene	754.8	4.0	647	0	117	40-140	0			
Fluorene	721.4	4.0	647	0	111	40-140	0			
Indeno(1,2,3-cd)pyrene	698.1	4.0	647	0	108	40-140	0			
Naphthalene	784.1	4.0	647	0	121	40-140	0			
Phenanthrene	766.6	4.0	647	0	118	40-140	0			
Pyrene	705.7	4.0	647	0	109	40-140	0			
Surr: 2-Fluorobiphenyl	*577.4*	0	*647*	0	*89.2*	*20-140*	0			
Surr: 4-Terphenyl-d14	*535.8*	0	*647*	0	*82.8*	*22-172*	0			
Surr: Nitrobenzene-d5	*615.1*	0	*647*	0	*95.1*	*28-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228653** Instrument ID **SVMS6** Method: **SW8270E**

MSD Sample ID: **23110289-02A MSD** Units: **µg/Kg** Analysis Date: **11/7/2023 08:26 PM**

Client ID: **GP-70@5.5'** Run ID: **SVMS6_231107A** SeqNo: **10176778** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	733.3	4.1	659	0	111	40-140	703.7	4.12	30	
Acenaphthene	766.4	4.1	659	0	116	40-140	757.5	1.18	30	
Acenaphthylene	752.9	4.1	659	0	114	40-140	744.4	1.13	30	
Anthracene	800	4.1	659	0	121	40-140	784	2.02	30	
Benzo(a)anthracene	740.3	4.1	659	0	112	40-140	747.8	0.995	30	
Benzo(a)pyrene	764.8	4.1	659	0	116	40-140	764.5	0.037	30	
Benzo(b)fluoranthene	664.1	4.1	659	0	101	40-140	682.6	2.75	30	
Benzo(g,h,i)perylene	607.4	4.1	659	0	92.2	40-140	617.3	1.63	30	
Benzo(k)fluoranthene	735.6	4.1	659	0	112	40-140	713.9	3	30	
Chrysene	814.2	4.1	659	0	124	40-140	816	0.221	30	
Dibenzo(a,h)anthracene	649.2	4.1	659	0	98.5	40-140	656.5	1.13	30	
Fluoranthene	757.8	4.1	659	0	115	40-140	754.8	0.395	30	
Fluorene	725.5	4.1	659	0	110	40-140	721.4	0.58	30	
Indeno(1,2,3-cd)pyrene	667.1	4.1	659	0	101	40-140	698.1	4.54	30	
Naphthalene	797.4	4.1	659	0	121	40-140	784.1	1.68	30	
Phenanthrene	773.5	4.1	659	0	117	40-140	766.6	0.902	30	
Pyrene	693.3	4.1	659	0	105	40-140	705.7	1.77	30	
Surr: 2-Fluorobiphenyl	*578.2*	0	*659*	0	*87.7*	*20-140*	577.4	*0.139*	*30*	
Surr: 4-Terphenyl-d14	*523.4*	0	*659*	0	*79.4*	*22-172*	535.8	*2.33*	*30*	
Surr: Nitrobenzene-d5	*633.4*	0	*659*	0	*96.1*	*28-140*	615.1	*2.93*	*30*	

The following samples were analyzed in this batch:

23110289-01A	23110289-02A	23110289-03A
23110289-04A	23110289-05A	23110289-06A
23110289-07A	23110289-08A	23110289-09A
23110289-10A	23110289-11A	23110289-12A
23110289-13A	23110289-14A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228740** Instrument ID **SVMS6** Method: **SW8270E**

MBLK Sample ID: **SBLKS1-228740-228740** Units: **µg/Kg** Analysis Date: **11/8/2023 12:38 PM**
Client ID: Run ID: **SVMS6_231108A** SeqNo: **10182789** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	ND	4.2								
Acenaphthene	ND	4.2								
Acenaphthylene	ND	4.2								
Anthracene	ND	4.2								
Benzo(a)anthracene	ND	4.2								
Benzo(a)pyrene	ND	4.2								
Benzo(b)fluoranthene	ND	4.2								
Benzo(g,h,i)perylene	ND	4.2								
Benzo(k)fluoranthene	ND	4.2								
Chrysene	ND	4.2								
Dibenzo(a,h)anthracene	ND	4.2								
Fluoranthene	ND	4.2								
Fluorene	ND	4.2								
Indeno(1,2,3-cd)pyrene	ND	4.2								
Naphthalene	ND	4.2								
Phenanthrene	ND	4.2								
Pyrene	ND	4.2								
Surr: 2-Fluorobiphenyl	*596.9*	0	*666.6*	0	*89.5*	*20-140*	0			
Surr: 4-Terphenyl-d14	*543.7*	0	*666.6*	0	*81.6*	*22-172*	0			
Surr: Nitrobenzene-d5	*694.5*	0	*666.6*	0	*104*	*28-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228740** Instrument ID **SVMS6** Method: **SW8270E**

LCS Sample ID: **SLCSS1-228740-228740** Units: **µg/Kg** Analysis Date: **11/8/2023 12:53 PM**

Client ID: Run ID: **SVMS6_231108A** SeqNo: **10182790** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	740.9	4.2	666.6	0	111	40-140	0			
Acenaphthene	682.5	4.2	666.6	0	102	40-140	0			
Acenaphthylene	660.9	4.2	666.6	0	99.2	40-140	0			
Anthracene	688.6	4.2	666.6	0	103	40-140	0			
Benzo(a)anthracene	626.7	4.2	666.6	0	94	40-140	0			
Benzo(a)pyrene	627.4	4.2	666.6	0	94.1	40-140	0			
Benzo(b)fluoranthene	540.8	4.2	666.6	0	81.1	40-140	0			
Benzo(g,h,i)perylene	561.8	4.2	666.6	0	84.3	40-140	0			
Benzo(k)fluoranthene	592.5	4.2	666.6	0	88.9	40-140	0			
Chrysene	680.5	4.2	666.6	0	102	40-140	0			
Dibenzo(a,h)anthracene	580	4.2	666.6	0	87	40-140	0			
Fluoranthene	685.4	4.2	666.6	0	103	40-140	0			
Fluorene	636.6	4.2	666.6	0	95.5	40-140	0			
Indeno(1,2,3-cd)pyrene	578.7	4.2	666.6	0	86.8	40-140	0			
Naphthalene	713	4.2	666.6	0	107	40-140	0			
Phenanthrene	676.7	4.2	666.6	0	102	40-140	0			
Pyrene	624.1	4.2	666.6	0	93.6	40-140	0			
Surr: 2-Fluorobiphenyl	*536*	0	*666.6*	0	*80.4*	*20-140*	0			
Surr: 4-Terphenyl-d14	*490.6*	0	*666.6*	0	*73.6*	*22-172*	0			
Surr: Nitrobenzene-d5	*549.7*	0	*666.6*	0	*82.5*	*28-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228740** Instrument ID **SVMS6** Method: **SW8270E**

MS Sample ID: **23110266-03A MS** Units: **µg/Kg** Analysis Date: **11/8/2023 01:09 PM**
Client ID: Run ID: **SVMS6_231108A** SeqNo: **10182791** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	821.2	4.0	643	0	128	40-140	0			
Acenaphthene	726.5	4.0	643	0	113	40-140	0			
Acenaphthylene	706.6	4.0	643	0	110	40-140	0			
Anthracene	736.8	4.0	643	0	115	40-140	0			
Benzo(a)anthracene	667.6	4.0	643	0	104	40-140	0			
Benzo(a)pyrene	608.1	4.0	643	0	94.6	40-140	0			
Benzo(b)fluoranthene	549.9	4.0	643	0	85.5	40-140	0			
Benzo(g,h,i)perylene	531.7	4.0	643	0	82.7	40-140	0			
Benzo(k)fluoranthene	622.7	4.0	643	0	96.8	40-140	0			
Chrysene	715.1	4.0	643	0	111	40-140	0			
Dibenzo(a,h)anthracene	567.1	4.0	643	0	88.2	40-140	0			
Fluoranthene	727.8	4.0	643	0	113	40-140	0			
Fluorene	691.3	4.0	643	0	108	40-140	0			
Indeno(1,2,3-cd)pyrene	558.7	4.0	643	0	86.9	40-140	0			
Naphthalene	774.2	4.0	643	0	120	40-140	0			
Phenanthrene	714.5	4.0	643	0	111	40-140	0			
Pyrene	667	4.0	643	0	104	40-140	0			
Surr: 2-Fluorobiphenyl	*585.9*	0	*643*	0	*91.1*	*20-140*	0			
Surr: 4-Terphenyl-d14	*535.8*	0	*643*	0	*83.3*	*22-172*	0			
Surr: Nitrobenzene-d5	*647.5*	0	*643*	0	*101*	*28-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228740** Instrument ID **SVMS6** Method: **SW8270E**

MSD	Sample ID: **23110266-03A MSD**				Units: **µg/Kg**			Analysis Date: **11/8/2023 01:24 PM**			
Client ID:		Run ID: **SVMS6_231108A**			SeqNo: **10182792**			Prep Date: **11/7/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	691.4	4.0	641	0	108	40-140	821.2	17.2	30	
Acenaphthene	715.9	4.0	641	0	112	40-140	726.5	1.47	30	
Acenaphthylene	699	4.0	641	0	109	40-140	706.6	1.08	30	
Anthracene	720.2	4.0	641	0	112	40-140	736.8	2.27	30	
Benzo(a)anthracene	648.1	4.0	641	0	101	40-140	667.6	2.97	30	
Benzo(a)pyrene	623.6	4.0	641	0	97.3	40-140	608.1	2.52	30	
Benzo(b)fluoranthene	554.1	4.0	641	0	86.4	40-140	549.9	0.766	30	
Benzo(g,h,i)perylene	511.6	4.0	641	0	79.8	40-140	531.7	3.86	30	
Benzo(k)fluoranthene	614.6	4.0	641	0	95.9	40-140	622.7	1.31	30	
Chrysene	702.3	4.0	641	0	110	40-140	715.1	1.8	30	
Dibenzo(a,h)anthracene	548.1	4.0	641	0	85.5	40-140	567.1	3.41	30	
Fluoranthene	702.1	4.0	641	0	110	40-140	727.8	3.59	30	
Fluorene	672.5	4.0	641	0	105	40-140	691.3	2.76	30	
Indeno(1,2,3-cd)pyrene	524	4.0	641	0	81.7	40-140	558.7	6.42	30	
Naphthalene	762.6	4.0	641	0	119	40-140	774.2	1.5	30	
Phenanthrene	697.6	4.0	641	0	109	40-140	714.5	2.38	30	
Pyrene	687.7	4.0	641	0	107	40-140	667	3.05	30	
Surr: 2-Fluorobiphenyl	*573.6*	0	*641*	0	*89.5*	*20-140*	585.9	*2.13*	*30*	
Surr: 4-Terphenyl-d14	*533.4*	0	*641*	0	*83.2*	*22-172*	535.8	*0.451*	*30*	
Surr: Nitrobenzene-d5	*610.3*	0	*641*	0	*95.2*	*28-140*	647.5	*5.92*	*30*	

The following samples were analyzed in this batch: 23110289-15A 23110289-16A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228795** Instrument ID **SVMS6** Method: **SW8270E**

MBLK Sample ID: **SBLKS1-228795-228795** Units: **µg/Kg** Analysis Date: **11/8/2023 04:31 PM**
Client ID: Run ID: **SVMS6_231108A** SeqNo: **10182803** Prep Date: **11/8/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	ND	4.2								
Acenaphthene	ND	4.2								
Acenaphthylene	ND	4.2								
Anthracene	ND	4.2								
Benzo(a)anthracene	ND	4.2								
Benzo(a)pyrene	ND	4.2								
Benzo(b)fluoranthene	ND	4.2								
Benzo(g,h,i)perylene	ND	4.2								
Benzo(k)fluoranthene	ND	4.2								
Chrysene	ND	4.2								
Dibenzo(a,h)anthracene	ND	4.2								
Fluoranthene	ND	4.2								
Fluorene	ND	4.2								
Indeno(1,2,3-cd)pyrene	ND	4.2								
Naphthalene	ND	4.2								
Phenanthrene	ND	4.2								
Pyrene	ND	4.2								
Surr: 2-Fluorobiphenyl	*583.2*	0	*666.6*	0	*87.5*	*20-140*	0			
Surr: 4-Terphenyl-d14	*530.3*	0	*666.6*	0	*79.6*	*22-172*	0			
Surr: Nitrobenzene-d5	*664.4*	0	*666.6*	0	*99.7*	*28-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228795** Instrument ID **SVMS6** Method: **SW8270E**

LCS Sample ID: **SLCSS1-228795-228795** Units: **µg/Kg** Analysis Date: **11/8/2023 05:17 PM**

Client ID: Run ID: **SVMS6_231108A** SeqNo: **10182804** Prep Date: **11/8/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	743.2	4.2	666.6	0	111	40-140	0			
Acenaphthene	721.3	4.2	666.6	0	108	40-140	0			
Acenaphthylene	698.1	4.2	666.6	0	105	40-140	0			
Anthracene	735.2	4.2	666.6	0	110	40-140	0			
Benzo(a)anthracene	684.9	4.2	666.6	0	103	40-140	0			
Benzo(a)pyrene	698.2	4.2	666.6	0	105	40-140	0			
Benzo(b)fluoranthene	602.3	4.2	666.6	0	90.4	40-140	0			
Benzo(g,h,i)perylene	596.9	4.2	666.6	0	89.5	40-140	0			
Benzo(k)fluoranthene	666.7	4.2	666.6	0	100	40-140	0			
Chrysene	745.3	4.2	666.6	0	112	40-140	0			
Dibenzo(a,h)anthracene	624.5	4.2	666.6	0	93.7	40-140	0			
Fluoranthene	734	4.2	666.6	0	110	40-140	0			
Fluorene	671.3	4.2	666.6	0	101	40-140	0			
Indeno(1,2,3-cd)pyrene	620.5	4.2	666.6	0	93.1	40-140	0			
Naphthalene	745.7	4.2	666.6	0	112	40-140	0			
Phenanthrene	712.9	4.2	666.6	0	107	40-140	0			
Pyrene	655.4	4.2	666.6	0	98.3	40-140	0			
Surr: 2-Fluorobiphenyl	*590.6*	0	*666.6*	0	*88.6*	*20-140*	0			
Surr: 4-Terphenyl-d14	*523*	0	*666.6*	0	*78.5*	*22-172*	0			
Surr: Nitrobenzene-d5	*594.5*	0	*666.6*	0	*89.2*	*28-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228795** Instrument ID **SVMS6** Method: **SW8270E**

MS Sample ID: **23110435-02A MS** Units: **µg/Kg** Analysis Date: **11/8/2023 05:33 PM**
Client ID: Run ID: **SVMS6_231108A** SeqNo: **10182805** Prep Date: **11/8/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	677.4	4.1	647.6	0	105	40-140	0			
Acenaphthene	714.8	4.1	647.6	0	110	40-140	0			
Acenaphthylene	690.9	4.1	647.6	0	107	40-140	0			
Anthracene	728.3	4.1	647.6	0	112	40-140	0			
Benzo(a)anthracene	685.5	4.1	647.6	0	106	40-140	0			
Benzo(a)pyrene	691.9	4.1	647.6	0	107	40-140	0			
Benzo(b)fluoranthene	589.5	4.1	647.6	0	91	40-140	0			
Benzo(g,h,i)perylene	571.6	4.1	647.6	0	88.3	40-140	0			
Benzo(k)fluoranthene	699.4	4.1	647.6	0	108	40-140	0			
Chrysene	747.2	4.1	647.6	0	115	40-140	0			
Dibenzo(a,h)anthracene	598.9	4.1	647.6	0	92.5	40-140	0			
Fluoranthene	741.8	4.1	647.6	0	115	40-140	0			
Fluorene	675.6	4.1	647.6	0	104	40-140	0			
Indeno(1,2,3-cd)pyrene	589.5	4.1	647.6	0	91	40-140	0			
Naphthalene	740	4.1	647.6	0	114	40-140	0			
Phenanthrene	714.5	4.1	647.6	0	110	40-140	0			
Pyrene	665.7	4.1	647.6	0	103	40-140	0			
Surr: 2-Fluorobiphenyl	*569.9*	0	*647.6*	0	*88*	*20-140*	0			
Surr: 4-Terphenyl-d14	*520.4*	0	*647.6*	0	*80.4*	*22-172*	0			
Surr: Nitrobenzene-d5	*594.8*	0	*647.6*	0	*91.9*	*28-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228795** Instrument ID **SVMS6** Method: **SW8270E**

MSD Sample ID: **23110435-02A MSD** Units: **µg/Kg** Analysis Date: **11/8/2023 05:48 PM**

Client ID: Run ID: **SVMS6_231108A** SeqNo: **10182806** Prep Date: **11/8/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	628.5	3.9	629.7	0	99.8	40-140	677.4	7.49	30	
Acenaphthene	686.9	3.9	629.7	0	109	40-140	714.8	3.98	30	
Acenaphthylene	671.7	3.9	629.7	0	107	40-140	690.9	2.81	30	
Anthracene	709.3	3.9	629.7	0	113	40-140	728.3	2.64	30	
Benzo(a)anthracene	660.9	3.9	629.7	0	105	40-140	685.5	3.65	30	
Benzo(a)pyrene	670.7	3.9	629.7	0	107	40-140	691.9	3.11	30	
Benzo(b)fluoranthene	576.2	3.9	629.7	0	91.5	40-140	589.5	2.28	30	
Benzo(g,h,i)perylene	566.8	3.9	629.7	0	90	40-140	571.6	0.843	30	
Benzo(k)fluoranthene	649.1	3.9	629.7	0	103	40-140	699.4	7.46	30	
Chrysene	716.6	3.9	629.7	0	114	40-140	747.2	4.17	30	
Dibenzo(a,h)anthracene	592.8	3.9	629.7	0	94.2	40-140	598.9	1.01	30	
Fluoranthene	702.8	3.9	629.7	0	112	40-140	741.8	5.39	30	
Fluorene	645.8	3.9	629.7	0	103	40-140	675.6	4.52	30	
Indeno(1,2,3-cd)pyrene	586.4	3.9	629.7	0	93.1	40-140	589.5	0.529	30	
Naphthalene	715.5	3.9	629.7	0	114	40-140	740	3.37	30	
Phenanthrene	685.6	3.9	629.7	0	109	40-140	714.5	4.12	30	
Pyrene	643.8	3.9	629.7	0	102	40-140	665.7	3.35	30	
Surr: 2-Fluorobiphenyl	*551.4*	0	*629.7*	0	*87.6*	*20-140*	569.9	*3.3*	*30*	
Surr: 4-Terphenyl-d14	*497.2*	0	*629.7*	0	*79*	*22-172*	520.4	*4.56*	*30*	
Surr: Nitrobenzene-d5	*576.8*	0	*629.7*	0	*91.6*	*28-140*	594.8	*3.08*	*30*	

The following samples were analyzed in this batch: 23110289-03A 23110289-05A 23110289-07A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228962** Instrument ID **SVMS8** Method: **SW8270E**

MBLK Sample ID: **SBLKW1-228962-228962** Units: **µg/L** Analysis Date: **11/10/2023 04:08 PM**
Client ID: Run ID: **SVMS8_231110A** SeqNo: **10193888** Prep Date: **11/10/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,4-Dichlorobenzene	ND	5.0								
2,4,5-Trichlorophenol	ND	5.0								
2,4,6-Trichlorophenol	ND	5.0								
2,4-Dinitrotoluene	ND	5.0								
Hexachloro-1,3-butadiene	ND	5.0								
Hexachlorobenzene	ND	5.0								
Hexachloroethane	ND	5.0								
m-Cresol	ND	5.0								
Nitrobenzene	ND	5.0								
o-Cresol	ND	5.0								
p-Cresol	ND	5.0								
Pentachlorophenol	ND	5.0								
Pyridine	ND	10								
Surr: 2,4,6-Tribromophenol	*36.31*	0	*50*	0	*72.6*	*47-103*	0			
Surr: 2-Fluorobiphenyl	*39.33*	0	*50*	0	*78.7*	*41-96*	0			
Surr: 2-Fluorophenol	*22.67*	0	*50*	0	*45.3*	*28-66*	0			
Surr: 4-Terphenyl-d14	*44.35*	0	*50*	0	*88.7*	*49-107*	0			
Surr: Nitrobenzene-d5	*37.7*	0	*50*	0	*75.4*	*41-95*	0			
Surr: Phenol-d6	*13.89*	0	*50*	0	*27.8*	*18-44*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228962** Instrument ID **SVMS8** Method: **SW8270E**

LCS Sample ID: **SLCSW1-228962-228962** Units: **µg/L** Analysis Date: **11/10/2023 04:29 PM**
Client ID: Run ID: **SVMS8_231110A** SeqNo: **10193889** Prep Date: **11/10/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,4-Dichlorobenzene	14.8	5.0	20	0	74	22-101	0			
2,4,5-Trichlorophenol	15.83	5.0	20	0	79.2	49-102	0			
2,4,6-Trichlorophenol	16.49	5.0	20	0	82.4	47-100	0			
2,4-Dinitrotoluene	18.02	5.0	20	0	90.1	50-102	0			
Hexachloro-1,3-butadiene	15.16	5.0	20	0	75.8	10-112	0			
Hexachlorobenzene	18	5.0	20	0	90	50-103	0			
Hexachloroethane	15.09	5.0	20	0	75.4	10-109	0			
m-Cresol	13.44	5.0	20	0	67.2	30-110	0			
Nitrobenzene	19.91	5.0	20	0	99.6	47-95	0			S
o-Cresol	14.66	5.0	20	0	73.3	30-110	0			
p-Cresol	13.44	5.0	20	0	67.2	30-110	0			
Pentachlorophenol	12.88	5.0	20	0	64.4	17-108	0			
Pyridine	5.19	10	20	0	26	22-66	0			J
Surr: 2,4,6-Tribromophenol	*41*	0	*50*	0	*82*	*47-103*	0			
Surr: 2-Fluorobiphenyl	*37.45*	0	*50*	0	*74.9*	*41-96*	0			
Surr: 2-Fluorophenol	*22.28*	0	*50*	0	*44.6*	*28-66*	0			
Surr: 4-Terphenyl-d14	*44.48*	0	*50*	0	*89*	*49-107*	0			
Surr: Nitrobenzene-d5	*37.36*	0	*50*	0	*74.7*	*41-95*	0			
Surr: Phenol-d6	*14.33*	0	*50*	0	*28.7*	*18-44*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228962** Instrument ID **SVMS8** Method: **SW8270E**

MS Sample ID: **23110289-81A MS** Units: **µg/L** Analysis Date: **11/10/2023 08:46 PM**
Client ID: **GP-94 Waste Characterization** Run ID: **SVMS8_231110A** SeqNo: **10193890** Prep Date: **11/10/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,4-Dichlorobenzene	323.8	100	400	0	81	22-101	0			
2,4,5-Trichlorophenol	339.4	100	400	0	84.8	49-102	0			
2,4,6-Trichlorophenol	364.8	100	400	0	91.2	47-100	0			
2,4-Dinitrotoluene	389.6	100	400	0	97.4	50-102	0			
Hexachloro-1,3-butadiene	331.4	100	400	0	82.8	10-112	0			
Hexachlorobenzene	390	100	400	0	97.5	50-103	0			
Hexachloroethane	330	100	400	0	82.5	10-109	0			
m-Cresol	284.8	100	400	0	71.2	30-110	0			
Nitrobenzene	433	100	400	0	108	47-95	0			S
o-Cresol	312.6	100	400	0	78.2	30-110	0			
p-Cresol	284.8	100	400	0	71.2	30-110	0			
Pentachlorophenol	359.2	100	400	0	89.8	17-108	0			
Pyridine	141.4	200	400	0	35.4	22-66	0			J
Surr: 2,4,6-Tribromophenol	*904.8*	0	*1000*	0	*90.5*	*47-103*	0			
Surr: 2-Fluorobiphenyl	*795.4*	0	*1000*	0	*79.5*	*41-96*	0			
Surr: 2-Fluorophenol	*463.6*	0	*1000*	0	*46.4*	*28-66*	0			
Surr: 4-Terphenyl-d14	*964.2*	0	*1000*	0	*96.4*	*49-107*	0			
Surr: Nitrobenzene-d5	*822.6*	0	*1000*	0	*82.3*	*41-95*	0			
Surr: Phenol-d6	*304.2*	0	*1000*	0	*30.4*	*18-44*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228962** Instrument ID **SVMS8** Method: **SW8270E**

MSD Sample ID: **23110289-81A MSD** Units: **µg/L** Analysis Date: **11/13/2023 09:22 PM**

Client ID: **GP-94 Waste Characterization** Run ID: **SVMS8_231113B** SeqNo: **10201587** Prep Date: **11/10/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,4-Dichlorobenzene	310.8	100	400	0	77.7	22-101	323.8	4.1	30	
2,4,5-Trichlorophenol	338.2	100	400	0	84.6	49-102	339.4	0.354	30	
2,4,6-Trichlorophenol	352.8	100	400	0	88.2	47-100	364.8	3.34	30	
2,4-Dinitrotoluene	362.6	100	400	0	90.6	50-102	389.6	7.18	30	
Hexachloro-1,3-butadiene	297.8	100	400	0	74.4	10-112	331.4	10.7	30	
Hexachlorobenzene	342.2	100	400	0	85.6	50-103	390	13.1	30	
Hexachloroethane	311	100	400	0	77.8	10-109	330	5.93	30	
m-Cresol	282.8	100	400	0	70.7	30-110	284.8	0.705	0	
Nitrobenzene	407	100	400	0	102	47-95	433	6.19	30	S
o-Cresol	303.8	100	400	0	76	30-110	312.6	2.86	0	
p-Cresol	282.8	100	400	0	70.7	30-110	284.8	0.705	0	
Pentachlorophenol	363	100	400	0	90.8	17-108	359.2	1.05	30	
Pyridine	139.4	200	400	0	34.8	22-66	141.4	0	30	J
Surr: 2,4,6-Tribromophenol	*858.6*	0	*1000*	0	*85.9*	*47-103*	904.8	*5.24*	*40*	
Surr: 2-Fluorobiphenyl	*755.6*	0	*1000*	0	*75.6*	*41-96*	795.4	*5.13*	*40*	
Surr: 2-Fluorophenol	*470.2*	0	*1000*	0	*47*	*28-66*	463.6	*1.41*	*40*	
Surr: 4-Terphenyl-d14	*877.4*	0	*1000*	0	*87.7*	*49-107*	964.2	*9.43*	*40*	
Surr: Nitrobenzene-d5	*772.4*	0	*1000*	0	*77.2*	*41-95*	822.6	*6.29*	*40*	
Surr: Phenol-d6	*313.2*	0	*1000*	0	*31.3*	*18-44*	304.2	*2.92*	*40*	

The following samples were analyzed in this batch: 23110289-81A 23110289-82A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228606** Instrument ID **VMS7** Method: **SW8260D**

MBLK Sample ID: **MBLK-228606-228606** Units: **µg/Kg-dry** Analysis Date: **11/8/2023 12:49 PM**
Client ID: Run ID: **VMS7_231108A** SeqNo: **10181418** Prep Date: **11/4/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	30								
1,1,1-Trichloroethane	ND	30								
1,1,2,2-Tetrachloroethane	ND	30								
1,1,2-Trichloroethane	ND	30								
1,1,2-Trichlorotrifluoroethane	ND	30								
1,1-Dichloroethane	ND	30								
1,1-Dichloroethene	ND	30								
1,2,3-Trichloropropane	ND	30								
1,2,3-Trimethylbenzene	ND	30								
1,2,4-Trichlorobenzene	ND	100								
1,2,4-Trimethylbenzene	ND	30								
1,2-Dibromo-3-chloropropane	ND	100								
1,2-Dibromoethane	ND	30								
1,2-Dichlorobenzene	ND	30								
1,2-Dichloroethane	ND	30								
1,2-Dichloropropane	ND	30								
1,3,5-Trimethylbenzene	ND	100								
1,3-Dichlorobenzene	ND	30								
1,4-Dichlorobenzene	ND	30								
2-Butanone	ND	200								
2-Hexanone	ND	30								
2-Methylnaphthalene	ND	100								
4-Methyl-2-pentanone	ND	30								
Acetone	ND	100								
Acrylonitrile	ND	100								
Benzene	ND	30								
Bromochloromethane	ND	30								
Bromodichloromethane	ND	30								
Bromoform	ND	30								
Bromomethane	ND	100								
Carbon disulfide	ND	30								
Carbon tetrachloride	ND	30								
Chlorobenzene	ND	30								
Chloroethane	ND	100								
Chloroform	ND	30								
Chloromethane	ND	100								
cis-1,2-Dichloroethene	ND	30								
cis-1,3-Dichloropropene	ND	30								
Dibromochloromethane	ND	30								
Dibromomethane	ND	30								
Dichlorodifluoromethane	ND	100								
Diethyl ether	ND	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228606** Instrument ID **VMS7** Method: **SW8260D**

Ethylbenzene	ND	30					
Hexachloroethane	ND	100					
Isopropylbenzene	ND	30					
m,p-Xylene	ND	60					
Methyl iodide	ND	500					
Methyl tert-butyl ether	ND	30					
Methylene chloride	ND	250					
Naphthalene	ND	100					
n-Propylbenzene	ND	30					
o-Xylene	ND	30					
Styrene	ND	30					
Tetrachloroethene	ND	30					
Toluene	ND	30					
trans-1,2-Dichloroethene	ND	30					
trans-1,3-Dichloropropene	ND	30					
trans-1,4-Dichloro-2-butene	ND	30					
Trichloroethene	ND	30					
Trichlorofluoromethane	ND	30					
Vinyl acetate	ND	250					
Vinyl chloride	ND	30					
Xylenes, Total	ND	90					
Surr: 1,2-Dichloroethane-d4	*1005*	0	*1000*	0	*100*	*80-120*	0
Surr: 4-Bromofluorobenzene	*966.5*	0	*1000*	0	*96.6*	*80-120*	0
Surr: Dibromofluoromethane	*965*	0	*1000*	0	*96.5*	*80-120*	0
Surr: Toluene-d8	*1012*	0	*1000*	0	*101*	*80-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228606** Instrument ID **VMS7** Method: **SW8260D**

LCS Sample ID: **LCS-228606-228606** Units: **µg/Kg-dry** Analysis Date: **11/8/2023 11:56 AM**

Client ID: Run ID: **VMS7_231108A** SeqNo: **10181416** Prep Date: **11/4/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1067	30	1000	0	107	72-120	0			
1,1,1-Trichloroethane	1113	30	1000	0	111	75-121	0			
1,1,2,2-Tetrachloroethane	1132	30	1000	0	113	79-125	0			
1,1,2-Trichloroethane	1060	30	1000	0	106	80-123	0			
1,1,2-Trichlorotrifluoroethane	1190	30	1000	0	119	62-129	0			
1,1-Dichloroethane	1080	30	1000	0	108	74-124	0			
1,1-Dichloroethene	1178	30	1000	0	118	68-131	0			
1,2,3-Trichloropropane	1139	30	1000	0	114	77-121	0			
1,2,3-Trimethylbenzene	1014	30	1000	0	101	76-127	0			
1,2,4-Trichlorobenzene	1026	100	1000	0	103	63-130	0			
1,2,4-Trimethylbenzene	1054	30	1000	0	105	64-126	0			
1,2-Dibromo-3-chloropropane	1214	100	1000	0	121	55-135	0			
1,2-Dibromoethane	1142	30	1000	0	114	63-155	0			
1,2-Dichlorobenzene	1064	30	1000	0	106	77-122	0			
1,2-Dichloroethane	1096	30	1000	0	110	70-130	0			
1,2-Dichloropropane	1058	30	1000	0	106	71-130	0			
1,3,5-Trimethylbenzene	1084	100	1000	0	108	66-130	0			
1,3-Dichlorobenzene	1083	30	1000	0	108	78-121	0			
1,4-Dichlorobenzene	1090	30	1000	0	109	78-122	0			
2-Butanone	944	200	1000	0	94.4	47-164	0			
2-Hexanone	1006	30	1000	0	101	70-137	0			
2-Methylnaphthalene	1002	100	1000	0	100	50-150	0			
4-Methyl-2-pentanone	1451	30	1000	0	145	57-200	0			
Acetone	966.5	100	1000	0	96.6	52-190	0			
Acrylonitrile	1020	100	1000	0	102	61-142	0			
Benzene	1125	30	1000	0	112	78-122	0			
Bromochloromethane	1152	30	1000	0	115	68-130	0			
Bromodichloromethane	1076	30	1000	0	108	75-125	0			
Bromoform	900	30	1000	0	90	59-120	0			
Bromomethane	1306	100	1000	0	131	31-169	0			
Carbon disulfide	1188	30	1000	0	119	60-163	0			
Carbon tetrachloride	1052	30	1000	0	105	69-123	0			
Chlorobenzene	1074	30	1000	0	107	79-120	0			
Chloroethane	1026	100	1000	0	103	38-132	0			
Chloroform	1108	30	1000	0	111	72-122	0			
Chloromethane	1051	100	1000	0	105	24-119	0			
cis-1,2-Dichloroethene	1098	30	1000	0	110	74-125	0			
cis-1,3-Dichloropropene	988	30	1000	0	98.8	62-124	0			
Dibromochloromethane	941.5	30	1000	0	94.2	57-123	0			
Dibromomethane	1112	30	1000	0	111	70-128	0			
Dichlorodifluoromethane	870.5	100	1000	0	87	28-137	0			
Diethyl ether	1036	30	1000	0	104	65-159	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228606** Instrument ID **VMS7** Method: **SW8260D**

Ethylbenzene	1079	30	1000	0	108	75-121	0	
Hexachloroethane	877.5	100	1000	0	87.8	57-134	0	
Isopropylbenzene	1082	30	1000	0	108	74-121	0	
m,p-Xylene	2130	60	2000	0	107	67-129	0	
Methyl iodide	2214	500	1000	0	221	10-200	0	S
Methyl tert-butyl ether	1062	30	1000	0	106	79-139	0	
Methylene chloride	1122	250	1000	0	112	62-135	0	
Naphthalene	933	100	1000	0	93.3	53-135	0	
n-Propylbenzene	1078	30	1000	0	108	65-128	0	
o-Xylene	1064	30	1000	0	106	75-120	0	
Styrene	1148	30	1000	0	115	74-126	0	
Tetrachloroethene	1113	30	1000	0	111	76-128	0	
Toluene	1080	30	1000	0	108	76-120	0	
trans-1,2-Dichloroethene	1130	30	1000	0	113	72-127	0	
trans-1,3-Dichloropropene	923	30	1000	0	92.3	66-120	0	
trans-1,4-Dichloro-2-butene	737.5	30	1000	0	73.8	56-122	0	
Trichloroethene	1082	30	1000	0	108	75-122	0	
Trichlorofluoromethane	1044	30	1000	0	104	51-115	0	
Vinyl chloride	993	30	1000	0	99.3	43-128	0	
Xylenes, Total	3195	90	3000	0	106	67-129	0	
Surr: 1,2-Dichloroethane-d4	*1003*	0	*1000*	0	*100*	*80-120*	0	
Surr: 4-Bromofluorobenzene	*1010*	0	*1000*	0	*101*	*80-120*	0	
Surr: Dibromofluoromethane	*1015*	0	*1000*	0	*102*	*80-120*	0	
Surr: Toluene-d8	*960*	0	*1000*	0	*96*	*80-120*	0	

QC BATCH REPORT

Batch ID: **228606** Instrument ID **VMS7** Method: **SW8260D**

MS Sample ID: **23110289-08B MS** Units: **µg/Kg-dry** Analysis Date: **11/8/2023 08:27 PM**

Client ID: **GP-73@6.5'** Run ID: **VMS7_231108A** SeqNo: **10181441** Prep Date: **11/4/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1191	33	1112	0	107	72-120	0			
1,1,1-Trichloroethane	1291	33	1112	0	116	75-121	0			
1,1,2,2-Tetrachloroethane	1266	33	1112	0	114	79-125	0			
1,1,2-Trichloroethane	1264	33	1112	0	114	80-123	0			
1,1,2-Trichlorotrifluoroethane	1256	33	1112	0	113	62-129	0			
1,1-Dichloroethane	1308	33	1112	0	118	74-124	0			
1,1-Dichloroethene	1308	33	1112	0	118	68-131	0			
1,2,3-Trichloropropane	1246	33	1112	0	112	77-121	0			
1,2,3-Trimethylbenzene	1163	33	1112	0	105	76-127	0			
1,2,4-Trichlorobenzene	1144	110	1112	0	103	63-130	0			
1,2,4-Trimethylbenzene	1223	33	1112	0	110	64-126	0			
1,2-Dibromo-3-chloropropane	1368	110	1112	0	123	55-135	0			
1,2-Dibromoethane	1377	33	1112	0	124	63-155	0			
1,2-Dichlorobenzene	1195	33	1112	0	108	77-122	0			
1,2-Dichloroethane	1243	33	1112	0	112	70-130	0			
1,2-Dichloropropane	1278	33	1112	0	115	71-130	0			
1,3,5-Trimethylbenzene	1227	110	1112	0	110	66-130	0			
1,3-Dichlorobenzene	1184	33	1112	0	107	78-121	0			
1,4-Dichlorobenzene	1232	33	1112	0	111	78-122	0			
2-Butanone	753.1	220	1112	0	67.8	47-164	0			
2-Hexanone	1291	33	1112	0	116	70-137	0			
2-Methylnaphthalene	1458	110	1112	0	131	50-150	0			
4-Methyl-2-pentanone	1715	33	1112	0	154	57-200	0			
Acetone	1162	110	1112	0	105	52-190	0			
Acrylonitrile	1186	110	1112	0	107	61-142	0			
Benzene	1368	33	1112	0	123	78-122	0			S
Bromochloromethane	1319	33	1112	0	119	68-130	0			
Bromodichloromethane	1180	33	1112	0	106	75-125	0			
Bromoform	949.3	33	1112	0	85.4	59-120	0			
Bromomethane	413.5	110	1112	0	37.2	31-169	0			
Carbon disulfide	1264	33	1112	0	114	60-163	0			
Carbon tetrachloride	1145	33	1112	0	103	69-123	0			
Chlorobenzene	1252	33	1112	0	113	79-120	0			
Chloroethane	914.3	110	1112	0	82.3	38-132	0			
Chloroform	1268	33	1112	0	114	72-122	0			
Chloromethane	1248	110	1112	0	112	24-119	0			
cis-1,2-Dichloroethene	1258	33	1112	0	113	74-125	0			
cis-1,3-Dichloropropene	1077	33	1112	0	96.9	62-124	0			
Dibromochloromethane	1052	33	1112	0	94.7	57-123	0			
Dibromomethane	1198	33	1112	0	108	70-128	0			
Dichlorodifluoromethane	1025	110	1112	0	92.2	28-137	0			
Diethyl ether	1335	33	1112	0	120	65-159	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228606** Instrument ID **VMS7** Method: **SW8260D**

Ethylbenzene	1303	33	1112	0	117	75-121	0	
Hexachloroethane	975.4	110	1112	0	87.8	57-134	0	
Isopropylbenzene	1238	33	1112	0	111	74-121	0	
m,p-Xylene	2513	67	2223	0	113	67-129	0	
Methyl iodide	2023	560	1112	0	182	10-200	0	
Methyl tert-butyl ether	1230	33	1112	0	111	79-139	0	
Methylene chloride	1292	280	1112	0	116	62-135	0	
Naphthalene	1171	110	1112	0	105	53-135	0	
n-Propylbenzene	1228	33	1112	0	110	65-128	0	
o-Xylene	1292	33	1112	0	116	75-120	0	
Styrene	1363	33	1112	0	123	74-126	0	
Tetrachloroethene	1377	33	1112	0	124	76-128	0	
Toluene	1403	33	1112	0	126	76-120	0	S
trans-1,2-Dichloroethene	1323	33	1112	0	119	72-127	0	
trans-1,3-Dichloropropene	1103	33	1112	0	99.2	66-120	0	
trans-1,4-Dichloro-2-butene	802	33	1112	0	72.2	56-122	0	
Trichloroethene	1222	33	1112	0	110	75-122	0	
Trichlorofluoromethane	1017	33	1112	0	91.5	51-115	0	
Vinyl chloride	1085	33	1112	0	97.7	43-128	0	
Xylenes, Total	3804	100	3335	0	114	67-129	0	
Surr: 1,2-Dichloroethane-d4	*1133*	0	*1112*	0	*102*	*80-120*	0	
Surr: 4-Bromofluorobenzene	*1142*	0	*1112*	0	*103*	*80-120*	0	
Surr: Dibromofluoromethane	*1098*	0	*1112*	0	*98.8*	*80-120*	0	
Surr: Toluene-d8	*1199*	0	*1112*	0	*108*	*80-120*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228606** Instrument ID **VMS7** Method: **SW8260D**

MSD Sample ID: **23110289-08B MSD** Units: **µg/Kg-dry** Analysis Date: **11/8/2023 08:44 PM**

Client ID: **GP-73@6.5'** Run ID: **VMS7_231108A** SeqNo: **10181442** Prep Date: **11/4/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1225	33	1112	0	110	72-120	1191	2.81	30	
1,1,1-Trichloroethane	1300	33	1112	0	117	75-121	1291	0.687	30	
1,1,2,2-Tetrachloroethane	1275	33	1112	0	115	79-125	1266	0.744	30	
1,1,2-Trichloroethane	1120	33	1112	0	101	80-123	1264	12.1	30	
1,1,2-Trichlorotrifluoroethane	1326	33	1112	0	119	62-129	1256	5.43	30	
1,1-Dichloroethane	1267	33	1112	0	114	74-124	1308	3.24	30	
1,1-Dichloroethene	1287	33	1112	0	116	68-131	1308	1.67	30	
1,2,3-Trichloropropane	1295	33	1112	0	117	77-121	1246	3.85	30	
1,2,3-Trimethylbenzene	1198	33	1112	0	108	76-127	1163	2.92	30	
1,2,4-Trichlorobenzene	1244	110	1112	0	112	63-130	1144	8.38	30	
1,2,4-Trimethylbenzene	1202	33	1112	0	108	64-126	1223	1.74	30	
1,2-Dibromo-3-chloropropane	1413	110	1112	0	127	55-135	1368	3.24	30	
1,2-Dibromoethane	1273	33	1112	0	115	63-155	1377	7.85	30	
1,2-Dichlorobenzene	1298	33	1112	0	117	77-122	1195	8.29	30	
1,2-Dichloroethane	1229	33	1112	0	111	70-130	1243	1.12	30	
1,2-Dichloropropane	1222	33	1112	0	110	71-130	1278	4.54	30	
1,3,5-Trimethylbenzene	1223	110	1112	0	110	66-130	1227	0.317	30	
1,3-Dichlorobenzene	1271	33	1112	0	114	78-121	1184	7.07	30	
1,4-Dichlorobenzene	1292	33	1112	0	116	78-122	1232	4.8	30	
2-Butanone	922	220	1112	0	83	47-164	753.1	20.2	30	
2-Hexanone	1001	33	1112	0	90.1	70-137	1291	25.3	30	
2-Methylnaphthalene	1436	110	1112	0	129	50-150	1458	1.54	30	
4-Methyl-2-pentanone	1438	33	1112	0	129	57-200	1715	17.6	30	
Acetone	1190	110	1112	0	107	52-190	1162	2.36	30	
Acrylonitrile	1159	110	1112	0	104	61-142	1186	2.32	30	
Benzene	1376	33	1112	0	124	78-122	1368	0.567	30	S
Bromochloromethane	1267	33	1112	0	114	68-130	1319	4.08	30	
Bromodichloromethane	1174	33	1112	0	106	75-125	1180	0.52	30	
Bromoform	937	33	1112	0	84.3	59-120	949.3	1.3	30	
Bromomethane	393.5	110	1112	0	35.4	31-169	413.5	4.96	30	
Carbon disulfide	1227	33	1112	0	110	60-163	1264	2.99	30	
Carbon tetrachloride	1179	33	1112	0	106	69-123	1145	2.87	30	
Chlorobenzene	1266	33	1112	0	114	79-120	1252	1.15	30	
Chloroethane	1080	110	1112	0	97.2	38-132	914.3	16.6	30	
Chloroform	1244	33	1112	0	112	72-122	1268	1.95	30	
Chloromethane	1156	110	1112	0	104	24-119	1248	7.67	30	
cis-1,2-Dichloroethene	1225	33	1112	0	110	74-125	1258	2.64	30	
cis-1,3-Dichloropropene	1030	33	1112	0	92.7	62-124	1077	4.43	30	
Dibromochloromethane	983.2	33	1112	0	88.5	57-123	1052	6.77	30	
Dibromomethane	1234	33	1112	0	111	70-128	1198	2.97	30	
Dichlorodifluoromethane	1036	110	1112	0	93.2	28-137	1025	1.08	30	
Diethyl ether	1321	33	1112	0	119	65-159	1335	1.05	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228606** Instrument ID **VMS7** Method: **SW8260D**

Ethylbenzene	1299	33	1112	0	117	75-121	1303	0.299	30
Hexachloroethane	981.5	110	1112	0	88.3	57-134	975.4	0.625	30
Isopropylbenzene	1274	33	1112	0	115	74-121	1238	2.88	30
m,p-Xylene	2617	67	2223	0	118	67-129	2513	4.05	30
Methyl iodide	2208	560	1112	0	199	10-200	2023	8.72	30
Methyl tert-butyl ether	1231	33	1112	0	111	79-139	1230	0.0902	30
Methylene chloride	1267	280	1112	0	114	62-135	1292	1.95	30
Naphthalene	1238	110	1112	0	111	53-135	1171	5.58	30
n-Propylbenzene	1232	33	1112	0	111	65-128	1228	0.316	30
o-Xylene	1293	33	1112	0	116	75-120	1292	0.129	30
Styrene	1361	33	1112	0	122	74-126	1363	0.123	30
Tetrachloroethene	1417	33	1112	0	127	76-128	1377	2.82	30
Toluene	1161	33	1112	0	104	76-120	1403	18.9	30
trans-1,2-Dichloroethene	1257	33	1112	0	113	72-127	1323	5.17	30
trans-1,3-Dichloropropene	861.5	33	1112	0	77.5	66-120	1103	24.6	30
trans-1,4-Dichloro-2-butene	820.9	33	1112	0	73.9	56-122	802	2.33	30
Trichloroethene	1259	33	1112	0	113	75-122	1222	3.05	30
Trichlorofluoromethane	1088	33	1112	0	97.9	51-115	1017	6.76	30
Vinyl chloride	1009	33	1112	0	90.8	43-128	1085	7.32	30
Xylenes, Total	3910	100	3335	0	117	67-129	3804	2.74	30
Surr: 1,2-Dichloroethane-d4	*1097*	0	*1112*	0	*98.7*	*80-120*	1133	*3.29*	*30*
Surr: 4-Bromofluorobenzene	*1112*	0	*1112*	0	*100*	*80-120*	1142	*2.66*	*30*
Surr: Dibromofluoromethane	*1085*	0	*1112*	0	*97.6*	*80-120*	1098	*1.22*	*30*
Surr: Toluene-d8	*991.5*	0	*1112*	0	*89.2*	*80-120*	1199	*18.9*	*30*

The following samples were analyzed in this batch:

23110289-01B	23110289-02B	23110289-03B
23110289-04B	23110289-05B	23110289-06B
23110289-07B	23110289-08B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228608** Instrument ID **VMS11** Method: **SW8260D**

MBLK Sample ID: **MBLK-228608-228608** Units: **µg/Kg-dry** Analysis Date: **11/8/2023 12:28 PM**
Client ID: Run ID: **VMS11_231108A** SeqNo: **10180809** Prep Date: **11/4/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	30								
1,1,1-Trichloroethane	ND	30								
1,1,2,2-Tetrachloroethane	ND	30								
1,1,2-Trichloroethane	ND	30								
1,1,2-Trichlorotrifluoroethane	ND	30								
1,1-Dichloroethane	ND	30								
1,1-Dichloroethene	ND	30								
1,2,3-Trichloropropane	ND	30								
1,2,3-Trimethylbenzene	ND	30								
1,2,4-Trichlorobenzene	ND	100								
1,2,4-Trimethylbenzene	ND	30								
1,2-Dibromo-3-chloropropane	ND	100								
1,2-Dibromoethane	ND	30								
1,2-Dichlorobenzene	ND	30								
1,2-Dichloroethane	ND	30								
1,2-Dichloropropane	ND	30								
1,3,5-Trimethylbenzene	ND	100								
1,3-Dichlorobenzene	ND	30								
1,4-Dichlorobenzene	ND	30								
2-Butanone	ND	200								
2-Hexanone	ND	30								
2-Methylnaphthalene	ND	100								
4-Methyl-2-pentanone	ND	30								
Acetone	ND	100								
Acrylonitrile	ND	100								
Benzene	ND	30								
Bromochloromethane	ND	30								
Bromodichloromethane	ND	30								
Bromoform	ND	30								
Bromomethane	ND	100								
Carbon disulfide	ND	30								
Carbon tetrachloride	ND	30								
Chlorobenzene	ND	30								
Chloroethane	ND	100								
Chloroform	ND	30								
Chloromethane	ND	100								
cis-1,2-Dichloroethene	ND	30								
cis-1,3-Dichloropropene	ND	30								
Dibromochloromethane	ND	30								
Dibromomethane	ND	30								
Dichlorodifluoromethane	ND	100								
Diethyl ether	ND	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228608** Instrument ID **VMS11** Method: **SW8260D**

Ethylbenzene	ND	30					
Hexachloroethane	ND	100					
Isopropylbenzene	ND	30					
m,p-Xylene	ND	60					
Methyl iodide	ND	500					
Methyl tert-butyl ether	ND	30					
Methylene chloride	ND	250					
Naphthalene	ND	100					
n-Propylbenzene	ND	30					
o-Xylene	ND	30					
Styrene	ND	30					
Tetrachloroethene	ND	30					
Toluene	ND	30					
trans-1,2-Dichloroethene	ND	30					
trans-1,3-Dichloropropene	ND	30					
trans-1,4-Dichloro-2-butene	ND	30					
Trichloroethene	ND	30					
Trichlorofluoromethane	ND	30					
Vinyl acetate	ND	250					
Vinyl chloride	ND	30					
Xylenes, Total	ND	90					
Surr: 1,2-Dichloroethane-d4	*1076*	0	*1000*	0	*108*	*80-120*	0
Surr: 4-Bromofluorobenzene	*988*	0	*1000*	0	*98.8*	*80-120*	0
Surr: Dibromofluoromethane	*995*	0	*1000*	0	*99.5*	*80-120*	0
Surr: Toluene-d8	*980.5*	0	*1000*	0	*98*	*80-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228608** Instrument ID **VMS11** Method: **SW8260D**

LCS	Sample ID: **LCS-228608-228608**				Units: **µg/Kg-dry**		Analysis Date: **11/8/2023 11:20 AM**			
Client ID:	Run ID: **VMS11_231108A**				SeqNo: **10180807**		Prep Date: **11/4/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	845	30	1000	0	84.5	72-120	0			
1,1,1-Trichloroethane	987	30	1000	0	98.7	75-121	0			
1,1,2,2-Tetrachloroethane	996	30	1000	0	99.6	79-125	0			
1,1,2-Trichloroethane	952.5	30	1000	0	95.2	80-123	0			
1,1,2-Trichlorotrifluoroethane	991	30	1000	0	99.1	62-129	0			
1,1-Dichloroethane	990.5	30	1000	0	99	74-124	0			
1,1-Dichloroethene	1062	30	1000	0	106	68-131	0			
1,2,3-Trichloropropane	1004	30	1000	0	100	77-121	0			
1,2,3-Trimethylbenzene	963	30	1000	0	96.3	76-127	0			
1,2,4-Trichlorobenzene	952	100	1000	0	95.2	63-130	0			
1,2,4-Trimethylbenzene	917.5	30	1000	0	91.8	64-126	0			
1,2-Dibromo-3-chloropropane	977	100	1000	0	97.7	55-135	0			
1,2-Dibromoethane	1038	30	1000	0	104	63-155	0			
1,2-Dichlorobenzene	986.5	30	1000	0	98.6	77-122	0			
1,2-Dichloroethane	1018	30	1000	0	102	70-130	0			
1,2-Dichloropropane	976.5	30	1000	0	97.6	71-130	0			
1,3,5-Trimethylbenzene	959	100	1000	0	95.9	66-130	0			
1,3-Dichlorobenzene	1004	30	1000	0	100	78-121	0			
1,4-Dichlorobenzene	1004	30	1000	0	100	78-122	0			
2-Butanone	1054	200	1000	0	105	47-164	0			
2-Hexanone	1001	30	1000	0	100	70-137	0			
2-Methylnaphthalene	1086	100	1000	0	109	50-150	0			
4-Methyl-2-pentanone	1318	30	1000	0	132	57-200	0			
Acetone	1041	100	1000	0	104	52-190	0			
Acrylonitrile	1060	100	1000	0	106	61-142	0			
Benzene	1022	30	1000	0	102	78-122	0			
Bromochloromethane	1046	30	1000	0	105	68-130	0			
Bromodichloromethane	928	30	1000	0	92.8	75-125	0			
Bromoform	777.5	30	1000	0	77.8	59-120	0			
Bromomethane	904.5	100	1000	0	90.4	31-169	0			
Carbon disulfide	1056	30	1000	0	106	60-163	0			
Carbon tetrachloride	965.5	30	1000	0	96.6	69-123	0			
Chlorobenzene	975.5	30	1000	0	97.6	79-120	0			
Chloroethane	909	100	1000	0	90.9	38-132	0			
Chloroform	949	30	1000	0	94.9	72-122	0			
Chloromethane	807	100	1000	0	80.7	24-119	0			
cis-1,2-Dichloroethene	977.5	30	1000	0	97.8	74-125	0			
cis-1,3-Dichloropropene	864.5	30	1000	0	86.4	62-124	0			
Dibromochloromethane	830.5	30	1000	0	83	57-123	0			
Dibromomethane	1038	30	1000	0	104	70-128	0			
Dichlorodifluoromethane	612.5	100	1000	0	61.2	28-137	0			
Diethyl ether	1044	30	1000	0	104	65-159	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228608** Instrument ID **VMS11** Method: **SW8260D**

Ethylbenzene	998	30	1000	0	99.8	75-121	0
Hexachloroethane	746.5	100	1000	0	74.6	57-134	0
Isopropylbenzene	1001	30	1000	0	100	74-121	0
m,p-Xylene	2007	60	2000	0	100	67-129	0
Methyl iodide	1116	500	1000	0	112	10-200	0
Methyl tert-butyl ether	956.5	30	1000	0	95.6	79-139	0
Methylene chloride	1044	250	1000	0	104	62-135	0
Naphthalene	1038	100	1000	0	104	53-135	0
n-Propylbenzene	1000	30	1000	0	100	65-128	0
o-Xylene	1011	30	1000	0	101	75-120	0
Styrene	982.5	30	1000	0	98.2	74-126	0
Tetrachloroethene	1007	30	1000	0	101	76-128	0
Toluene	952	30	1000	0	95.2	76-120	0
trans-1,2-Dichloroethene	1000	30	1000	0	100	72-127	0
trans-1,3-Dichloropropene	827.5	30	1000	0	82.8	66-120	0
trans-1,4-Dichloro-2-butene	722	30	1000	0	72.2	56-122	0
Trichloroethene	944.5	30	1000	0	94.4	75-122	0
Trichlorofluoromethane	970.5	30	1000	0	97	51-115	0
Vinyl chloride	816.5	30	1000	0	81.6	43-128	0
Xylenes, Total	3018	90	3000	0	101	67-129	0
Surr: 1,2-Dichloroethane-d4	*991.5*	0	*1000*	0	*99.2*	*80-120*	0
Surr: 4-Bromofluorobenzene	*979.5*	0	*1000*	0	*98*	*80-120*	0
Surr: Dibromofluoromethane	*966*	0	*1000*	0	*96.6*	*80-120*	0
Surr: Toluene-d8	*996.5*	0	*1000*	0	*99.6*	*80-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228608** Instrument ID **VMS11** Method: **SW8260D**

MS Sample ID: **23110289-10B MS** Units: **µg/Kg-dry** Analysis Date: **11/8/2023 09:02 PM**
Client ID: **GP-75@5'** Run ID: **VMS7_231108A** SeqNo: **10181443** Prep Date: **11/4/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1241	36	1183	0	105	72-120	0			
1,1,1-Trichloroethane	1483	36	1183	0	125	75-121	0			S
1,1,2,2-Tetrachloroethane	1076	36	1183	0	90.9	79-125	0			
1,1,2-Trichloroethane	1218	36	1183	0	103	80-123	0			
1,1,2-Trichlorotrifluoroethane	1517	36	1183	0	128	62-129	0			
1,1-Dichloroethane	1341	36	1183	0	113	74-124	0			
1,1-Dichloroethene	1432	36	1183	0	121	68-131	0			
1,2,3-Trichloropropane	1151	36	1183	0	97.3	77-121	0			
1,2,3-Trimethylbenzene	1272	36	1183	0	107	76-127	0			
1,2,4-Trichlorobenzene	1382	120	1183	0	117	63-130	0			
1,2,4-Trimethylbenzene	1217	36	1183	0	103	64-126	0			
1,2-Dibromo-3-chloropropane	1504	120	1183	0	127	55-135	0			
1,2-Dibromoethane	1296	36	1183	0	110	63-155	0			
1,2-Dichlorobenzene	1389	36	1183	0	117	77-122	0			
1,2-Dichloroethane	1355	36	1183	0	115	70-130	0			
1,2-Dichloropropane	1296	36	1183	0	110	71-130	0			
1,3,5-Trimethylbenzene	1261	120	1183	0	107	66-130	0			
1,3-Dichlorobenzene	1343	36	1183	0	114	78-121	0			
1,4-Dichlorobenzene	1373	36	1183	0	116	78-122	0			
2-Butanone	1539	240	1183	0	130	47-164	0			
2-Hexanone	1444	36	1183	0	122	70-137	0			
2-Methylnaphthalene	1579	120	1183	0	133	50-150	0			
4-Methyl-2-pentanone	1482	36	1183	0	125	57-200	0			
Acetone	2381	120	1183	0	201	52-190	0			S
Acrylonitrile	1186	120	1183	0	100	61-142	0			
Benzene	1472	36	1183	0	124	78-122	0			S
Bromochloromethane	1318	36	1183	0	111	68-130	0			
Bromodichloromethane	1238	36	1183	0	105	75-125	0			
Bromoform	905.4	36	1183	0	76.5	59-120	0			
Bromomethane	393.5	120	1183	0	33.3	31-169	0			
Carbon disulfide	1398	36	1183	0	118	60-163	0			
Carbon tetrachloride	1376	36	1183	0	116	69-123	0			
Chlorobenzene	1330	36	1183	0	112	79-120	0			
Chloroethane	1111	120	1183	0	93.9	38-132	0			
Chloroform	1317	36	1183	0	111	72-122	0			
Chloromethane	1241	120	1183	0	105	24-119	0			
cis-1,2-Dichloroethene	1339	36	1183	0	113	74-125	0			
cis-1,3-Dichloropropene	1141	36	1183	0	96.5	62-124	0			
Dibromochloromethane	1067	36	1183	0	90.2	57-123	0			
Dibromomethane	1282	36	1183	0	108	70-128	0			
Dichlorodifluoromethane	1140	120	1183	0	96.3	28-137	0			
Diethyl ether	1363	36	1183	0	115	65-159	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228608** Instrument ID **VMS11** Method: **SW8260D**

Ethylbenzene	1334	36	1183	0	113	75-121	0	
Hexachloroethane	1105	120	1183	0	93.4	57-134	0	
Isopropylbenzene	1252	36	1183	0	106	74-121	0	
m,p-Xylene	2756	71	2367	0	116	67-129	0	
Methyl iodide	2325	590	1183	0	196	10-200	0	
Methyl tert-butyl ether	1278	36	1183	0	108	79-139	0	
Methylene chloride	1308	300	1183	0	111	62-135	0	
Naphthalene	1301	120	1183	0	110	53-135	0	
n-Propylbenzene	1208	36	1183	0	102	65-128	0	
o-Xylene	1182	36	1183	0	99.9	75-120	0	
Styrene	1289	36	1183	0	109	74-126	0	
Tetrachloroethene	2259	36	1183	0	191	76-128	0	S
Toluene	1424	36	1183	0	120	76-120	0	S
trans-1,2-Dichloroethene	1365	36	1183	0	115	72-127	0	
trans-1,3-Dichloropropene	1068	36	1183	0	90.2	66-120	0	
trans-1,4-Dichloro-2-butene	676.4	36	1183	0	57.2	56-122	0	
Trichloroethene	1439	36	1183	0	122	75-122	0	
Trichlorofluoromethane	1193	36	1183	0	101	51-115	0	
Vinyl chloride	1146	36	1183	0	96.8	43-128	0	
Xylenes, Total	3938	110	3550	0	111	67-129	0	
Surr: 1,2-Dichloroethane-d4	*1170*	0	*1183*	0	*98.9*	*80-120*	0	
Surr: 4-Bromofluorobenzene	*1025*	0	*1183*	0	*86.6*	*80-120*	0	
Surr: Dibromofluoromethane	*1155*	0	*1183*	0	*97.6*	*80-120*	0	
Surr: Toluene-d8	*1128*	0	*1183*	0	*95.3*	*80-120*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228608** Instrument ID **VMS11** Method: **SW8260D**

MSD Sample ID: **23110289-10B MSD** Units: **µg/Kg-dry** Analysis Date: **11/8/2023 09:19 PM**

Client ID: **GP-75@5'** Run ID: **VMS7_231108A** SeqNo: **10181444** Prep Date: **11/4/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1304	36	1183	0	110	72-120	1241	4.93	30	
1,1,1-Trichloroethane	1437	36	1183	0	121	75-121	1483	3.16	30	S
1,1,2,2-Tetrachloroethane	1420	36	1183	0	120	79-125	1076	27.6	30	
1,1,2-Trichloroethane	1324	36	1183	0	112	80-123	1218	8.29	30	
1,1,2-Trichlorotrifluoroethane	1559	36	1183	0	132	62-129	1517	2.73	30	S
1,1-Dichloroethane	1398	36	1183	0	118	74-124	1341	4.19	30	
1,1-Dichloroethene	1412	36	1183	0	119	68-131	1432	1.41	30	
1,2,3-Trichloropropane	1374	36	1183	0	116	77-121	1151	17.7	30	
1,2,3-Trimethylbenzene	1308	36	1183	0	111	76-127	1272	2.84	30	
1,2,4-Trichlorobenzene	1410	120	1183	0	119	63-130	1382	1.99	30	
1,2,4-Trimethylbenzene	1372	36	1183	0	116	64-126	1217	11.9	30	
1,2-Dibromo-3-chloropropane	1567	120	1183	0	132	55-135	1504	4.09	30	
1,2-Dibromoethane	1339	36	1183	0	113	63-155	1296	3.19	30	
1,2-Dichlorobenzene	1398	36	1183	0	118	77-122	1389	0.594	30	
1,2-Dichloroethane	1358	36	1183	0	115	70-130	1355	0.217	30	
1,2-Dichloropropane	1328	36	1183	0	112	71-130	1296	2.48	30	
1,3,5-Trimethylbenzene	1427	120	1183	0	121	66-130	1261	12.3	30	
1,3-Dichlorobenzene	1359	36	1183	0	115	78-121	1343	1.14	30	
1,4-Dichlorobenzene	1419	36	1183	0	120	78-122	1373	3.31	30	
2-Butanone	1610	240	1183	0	136	47-164	1539	4.47	30	
2-Hexanone	1574	36	1183	0	133	70-137	1444	8.59	30	
2-Methylnaphthalene	1569	120	1183	0	133	50-150	1579	0.639	30	
4-Methyl-2-pentanone	1777	36	1183	0	150	57-200	1482	18.1	30	
Acetone	2389	120	1183	0	202	52-190	2381	0.372	30	S
Acrylonitrile	1254	120	1183	0	106	61-142	1186	5.63	30	
Benzene	1488	36	1183	0	126	78-122	1472	1.12	30	S
Bromochloromethane	1363	36	1183	0	115	68-130	1318	3.35	30	
Bromodichloromethane	1277	36	1183	0	108	75-125	1238	3.11	30	
Bromoform	1017	36	1183	0	85.9	59-120	905.4	11.6	30	
Bromomethane	439.7	120	1183	0	37.2	31-169	393.5	11.1	30	
Carbon disulfide	1394	36	1183	0	118	60-163	1398	0.254	30	
Carbon tetrachloride	1288	36	1183	0	109	69-123	1376	6.62	30	
Chlorobenzene	1344	36	1183	0	114	79-120	1330	1.02	30	
Chloroethane	1038	120	1183	0	87.8	38-132	1111	6.77	30	
Chloroform	1371	36	1183	0	116	72-122	1317	4.01	30	
Chloromethane	1253	120	1183	0	106	24-119	1241	0.997	30	
cis-1,2-Dichloroethene	1350	36	1183	0	114	74-125	1339	0.836	30	
cis-1,3-Dichloropropene	1157	36	1183	0	97.7	62-124	1141	1.34	30	
Dibromochloromethane	1122	36	1183	0	94.8	57-123	1067	4.97	30	
Dibromomethane	1341	36	1183	0	113	70-128	1282	4.47	30	
Dichlorodifluoromethane	1105	120	1183	0	93.4	28-137	1140	3.06	30	
Diethyl ether	1462	36	1183	0	124	65-159	1363	6.95	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228608** Instrument ID **VMS11** Method: **SW8260D**

Ethylbenzene	1406	36	1183	0	119	75-121	1334	5.27	30	
Hexachloroethane	1065	120	1183	0	89.9	57-134	1105	3.76	30	
Isopropylbenzene	1503	36	1183	0	127	74-121	1252	18.2	30	S
m,p-Xylene	2649	71	2367	0	112	67-129	2756	3.94	30	
Methyl iodide	2455	590	1183	0	207	10-200	2325	5.42	30	S
Methyl tert-butyl ether	1340	36	1183	0	113	79-139	1278	4.75	30	
Methylene chloride	1365	300	1183	0	115	62-135	1308	4.29	30	
Naphthalene	1314	120	1183	0	111	53-135	1301	1.04	30	
n-Propylbenzene	1434	36	1183	0	121	65-128	1208	17.1	30	
o-Xylene	1398	36	1183	0	118	75-120	1182	16.7	30	
Styrene	1452	36	1183	0	123	74-126	1289	11.9	30	
Tetrachloroethene	2323	36	1183	0	196	76-128	2259	2.79	30	S
Toluene	1529	36	1183	0	129	76-120	1424	7.09	30	S
trans-1,2-Dichloroethene	1414	36	1183	0	119	72-127	1365	3.54	30	
trans-1,3-Dichloropropene	1088	36	1183	0	91.9	66-120	1068	1.81	30	
trans-1,4-Dichloro-2-butene	955.1	36	1183	0	80.7	56-122	676.4	34.2	30	R
Trichloroethene	1469	36	1183	0	124	75-122	1439	2.04	30	S
Trichlorofluoromethane	1203	36	1183	0	102	51-115	1193	0.84	30	
Vinyl chloride	1115	36	1183	0	94.2	43-128	1146	2.72	30	
Xylenes, Total	4047	110	3550	0	114	67-129	3938	2.74	30	
Surr: 1,2-Dichloroethane-d4	*1186*	0	*1183*	0	*100*	*80-120*	1170	*1.31*	*30*	
Surr: 4-Bromofluorobenzene	*1231*	0	*1183*	0	*104*	*80-120*	1025	*18.3*	*30*	
Surr: Dibromofluoromethane	*1147*	0	*1183*	0	*97*	*80-120*	1155	*0.668*	*30*	
Surr: Toluene-d8	*1245*	0	*1183*	0	*105*	*80-120*	1128	*9.88*	*30*	

The following samples were analyzed in this batch:

23110289-09B	23110289-10B	23110289-11B
23110289-12B	23110289-13B	23110289-14B
23110289-15B	23110289-16B	23110289-17B
23110289-18B	23110289-19B	23110289-20B
23110289-21B	23110289-22B	23110289-23B
23110289-24B	23110289-25B	23110289-26B
23110289-27B	23110289-28B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228645** Instrument ID **VMS7** Method: **SW8260D**

MBLK Sample ID: **MBLK-228645-228645** Units: **µg/Kg-dry** Analysis Date: **11/6/2023 03:45 PM**
Client ID: Run ID: **VMS7_231106A** SeqNo: **10170885** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	30								
1,1,1-Trichloroethane	ND	30								
1,1,2,2-Tetrachloroethane	ND	30								
1,1,2-Trichloroethane	ND	30								
1,1,2-Trichlorotrifluoroethane	ND	30								
1,1-Dichloroethane	ND	30								
1,1-Dichloroethene	ND	30								
1,2,3-Trichloropropane	ND	30								
1,2,3-Trimethylbenzene	ND	30								
1,2,4-Trichlorobenzene	ND	100								
1,2,4-Trimethylbenzene	ND	30								
1,2-Dibromo-3-chloropropane	ND	100								
1,2-Dibromoethane	ND	30								
1,2-Dichlorobenzene	ND	30								
1,2-Dichloroethane	ND	30								
1,2-Dichloropropane	ND	30								
1,3,5-Trimethylbenzene	ND	100								
1,3-Dichlorobenzene	ND	30								
1,4-Dichlorobenzene	ND	30								
2-Butanone	ND	200								
2-Hexanone	ND	30								
2-Methylnaphthalene	ND	100								
4-Methyl-2-pentanone	ND	30								
Acetone	ND	100								
Acrylonitrile	ND	100								
Benzene	ND	30								
Bromochloromethane	ND	30								
Bromodichloromethane	ND	30								
Bromoform	ND	30								
Bromomethane	ND	100								
Carbon disulfide	ND	30								
Carbon tetrachloride	ND	30								
Chlorobenzene	ND	30								
Chloroethane	ND	100								
Chloroform	ND	30								
Chloromethane	ND	100								
cis-1,2-Dichloroethene	ND	30								
cis-1,3-Dichloropropene	ND	30								
Dibromochloromethane	ND	30								
Dibromomethane	ND	30								
Dichlorodifluoromethane	ND	100								
Diethyl ether	ND	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228645** Instrument ID **VMS7** Method: **SW8260D**

Ethylbenzene	ND	30					
Hexachloroethane	ND	100					
Isopropylbenzene	ND	30					
m,p-Xylene	ND	60					
Methyl iodide	ND	500					
Methyl tert-butyl ether	ND	30					
Methylene chloride	ND	250					
Naphthalene	ND	100					
n-Propylbenzene	ND	30					
o-Xylene	ND	30					
Styrene	ND	30					
Tetrachloroethene	ND	30					
Toluene	ND	30					
trans-1,2-Dichloroethene	ND	30					
trans-1,3-Dichloropropene	ND	30					
trans-1,4-Dichloro-2-butene	ND	30					
Trichloroethene	ND	30					
Trichlorofluoromethane	ND	30					
Vinyl acetate	ND	250					
Vinyl chloride	ND	30					
Xylenes, Total	ND	90					
Surr: 1,2-Dichloroethane-d4	*976*	0	*1000*	0	*97.6*	*80-120*	0
Surr: 4-Bromofluorobenzene	*961.5*	0	*1000*	0	*96.2*	*80-120*	0
Surr: Dibromofluoromethane	*959*	0	*1000*	0	*95.9*	*80-120*	0
Surr: Toluene-d8	*1046*	0	*1000*	0	*105*	*80-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228645** Instrument ID **VMS7** Method: **SW8260D**

LCS	Sample ID: **LCS-228645-228645**				Units: **µg/Kg-dry**		Analysis Date: **11/6/2023 02:52 PM**			
Client ID:	Run ID: **VMS7_231106A**				SeqNo: **10170880**		Prep Date: **11/6/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	955	30	1000	0	95.5	72-120	0			
1,1,1-Trichloroethane	919	30	1000	0	91.9	75-121	0			
1,1,2,2-Tetrachloroethane	1156	30	1000	0	116	79-125	0			
1,1,2-Trichloroethane	955.5	30	1000	0	95.6	80-123	0			
1,1,2-Trichlorotrifluoroethane	947.5	30	1000	0	94.8	62-129	0			
1,1-Dichloroethane	943.5	30	1000	0	94.4	74-124	0			
1,1-Dichloroethene	950.5	30	1000	0	95	68-131	0			
1,2,3-Trichloropropane	1126	30	1000	0	113	77-121	0			
1,2,3-Trimethylbenzene	894.5	30	1000	0	89.4	76-127	0			
1,2,4-Trichlorobenzene	858.5	100	1000	0	85.8	63-130	0			
1,2,4-Trimethylbenzene	900.5	30	1000	0	90	64-126	0			
1,2-Dibromo-3-chloropropane	1249	100	1000	0	125	55-135	0			
1,2-Dibromoethane	1053	30	1000	0	105	63-155	0			
1,2-Dichlorobenzene	926	30	1000	0	92.6	77-122	0			
1,2-Dichloroethane	945.5	30	1000	0	94.6	70-130	0			
1,2-Dichloropropane	934.5	30	1000	0	93.4	71-130	0			
1,3,5-Trimethylbenzene	921.5	100	1000	0	92.2	66-130	0			
1,3-Dichlorobenzene	925	30	1000	0	92.5	78-121	0			
1,4-Dichlorobenzene	952	30	1000	0	95.2	78-122	0			
2-Butanone	975.5	200	1000	0	97.6	47-164	0			
2-Hexanone	1052	30	1000	0	105	70-137	0			
2-Methylnaphthalene	836	100	1000	0	83.6	50-150	0			
4-Methyl-2-pentanone	1458	30	1000	0	146	57-200	0			
Acetone	985.5	100	1000	0	98.6	52-190	0			
Acrylonitrile	1061	100	1000	0	106	61-142	0			
Benzene	976.5	30	1000	0	97.6	78-122	0			
Bromochloromethane	1037	30	1000	0	104	68-130	0			
Bromodichloromethane	966	30	1000	0	96.6	75-125	0			
Bromoform	886.5	30	1000	0	88.6	59-120	0			
Bromomethane	1569	100	1000	0	157	31-169	0			
Carbon disulfide	1004	30	1000	0	100	60-163	0			
Carbon tetrachloride	871	30	1000	0	87.1	69-123	0			
Chlorobenzene	953.5	30	1000	0	95.4	79-120	0			
Chloroethane	940.5	100	1000	0	94	38-132	0			
Chloroform	958	30	1000	0	95.8	72-122	0			
Chloromethane	717	100	1000	0	71.7	24-119	0			
cis-1,2-Dichloroethene	963	30	1000	0	96.3	74-125	0			
cis-1,3-Dichloropropene	877.5	30	1000	0	87.8	62-124	0			
Dibromochloromethane	899.5	30	1000	0	90	57-123	0			
Dibromomethane	976	30	1000	0	97.6	70-128	0			
Dichlorodifluoromethane	775.5	100	1000	0	77.6	28-137	0			
Diethyl ether	984	30	1000	0	98.4	65-159	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228645** Instrument ID **VMS7** Method: **SW8260D**

Ethylbenzene	937.5	30	1000	0	93.8	75-121	0	
Hexachloroethane	763	100	1000	0	76.3	57-134	0	
Isopropylbenzene	922	30	1000	0	92.2	74-121	0	
m,p-Xylene	1890	60	2000	0	94.5	67-129	0	
Methyl iodide	2124	500	1000	0	212	10-200	0	S
Methyl tert-butyl ether	970.5	30	1000	0	97	79-139	0	
Methylene chloride	986	250	1000	0	98.6	62-135	0	
Naphthalene	854	100	1000	0	85.4	53-135	0	
n-Propylbenzene	913	30	1000	0	91.3	65-128	0	
o-Xylene	971	30	1000	0	97.1	75-120	0	
Styrene	1040	30	1000	0	104	74-126	0	
Tetrachloroethene	1010	30	1000	0	101	76-128	0	
Toluene	951.5	30	1000	0	95.2	76-120	0	
trans-1,2-Dichloroethene	961	30	1000	0	96.1	72-127	0	
trans-1,3-Dichloropropene	835.5	30	1000	0	83.6	66-120	0	
trans-1,4-Dichloro-2-butene	864.5	30	1000	0	86.4	56-122	0	
Trichloroethene	934	30	1000	0	93.4	75-122	0	
Trichlorofluoromethane	911.5	30	1000	0	91.2	51-115	0	
Vinyl chloride	887.5	30	1000	0	88.8	43-128	0	
Xylenes, Total	2862	90	3000	0	95.4	67-129	0	
Surr: 1,2-Dichloroethane-d4	*996*	0	*1000*	0	*99.6*	*80-120*	0	
Surr: 4-Bromofluorobenzene	*1085*	0	*1000*	0	*108*	*80-120*	0	
Surr: Dibromofluoromethane	*997.5*	0	*1000*	0	*99.8*	*80-120*	0	
Surr: Toluene-d8	*973.5*	0	*1000*	0	*97.4*	*80-120*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228645** Instrument ID **VMS7** Method: **SW8260D**

MS	Sample ID: **23110392-02C MS**				Units: **µg/Kg-dry**		Analysis Date: **11/7/2023 09:41 AM**			
Client ID:		Run ID: **VMS12_231106A**			SeqNo: **10171800**		Prep Date: **11/6/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1091	34	1121	0	97.3	72-120	0			
1,1,1-Trichloroethane	1166	34	1121	0	104	75-121	0			
1,1,2,2-Tetrachloroethane	203.9	34	1121	0	18.2	79-125	0			S
1,1,2-Trichloroethane	1117	34	1121	0	99.6	80-123	0			
1,1,2-Trichlorotrifluoroethane	1216	34	1121	0	109	62-129	0			
1,1-Dichloroethane	1211	34	1121	0	108	74-124	0			
1,1-Dichloroethene	1253	34	1121	0	112	68-131	0			
1,2,3-Trichloropropane	1149	34	1121	0	102	77-121	0			
1,2,3-Trimethylbenzene	1143	34	1121	0	102	76-127	0			
1,2,4-Trichlorobenzene	1240	110	1121	0	111	63-130	0			
1,2,4-Trimethylbenzene	1235	34	1121	0	110	64-126	0			
1,2-Dibromo-3-chloropropane	792.8	110	1121	0	70.7	55-135	0			
1,2-Dibromoethane	1227	34	1121	0	109	63-155	0			
1,2-Dichlorobenzene	1129	34	1121	0	101	77-122	0			
1,2-Dichloroethane	1198	34	1121	0	107	70-130	0			
1,2-Dichloropropane	1150	34	1121	0	103	71-130	0			
1,3,5-Trimethylbenzene	1260	110	1121	0	112	66-130	0			
1,3-Dichlorobenzene	1124	34	1121	0	100	78-121	0			
1,4-Dichlorobenzene	1136	34	1121	0	101	78-122	0			
2-Butanone	1685	220	1121	0	150	47-164	0			
2-Hexanone	1699	34	1121	0	152	70-137	0			S
2-Methylnaphthalene	1183	110	1121	0	106	50-150	0			
4-Methyl-2-pentanone	1163	34	1121	0	104	57-200	0			
Acetone	3017	110	1121	0	269	52-190	0			S
Acrylonitrile	1222	110	1121	0	109	61-142	0			
Benzene	1243	34	1121	0	111	78-122	0			
Bromochloromethane	1237	34	1121	0	110	68-130	0			
Bromodichloromethane	1099	34	1121	0	98.1	75-125	0			
Bromoform	876.8	34	1121	0	78.2	59-120	0			
Bromomethane	979.3	110	1121	0	87.4	31-169	0			
Carbon disulfide	1082	34	1121	0	96.6	60-163	0			
Carbon tetrachloride	1156	34	1121	0	103	69-123	0			
Chlorobenzene	1164	34	1121	0	104	79-120	0			
Chloroethane	1707	110	1121	0	152	38-132	0			S
Chloroform	1217	34	1121	0	109	72-122	0			
Chloromethane	1014	110	1121	0	90.5	24-119	0			
cis-1,2-Dichloroethene	1165	34	1121	0	104	74-125	0			
cis-1,3-Dichloropropene	995	34	1121	0	88.8	62-124	0			
Dibromochloromethane	943.5	34	1121	0	84.2	57-123	0			
Dibromomethane	1179	34	1121	0	105	70-128	0			
Dichlorodifluoromethane	1091	110	1121	0	97.4	28-137	0			
Diethyl ether	1166	34	1121	0	104	65-159	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228645** Instrument ID **VMS7** Method: **SW8260D**

Ethylbenzene	1124	34	1121	0	100	75-121	0	
Hexachloroethane	1016	110	1121	0	90.7	57-134	0	
Isopropylbenzene	1194	34	1121	0	107	74-121	0	
m,p-Xylene	2324	67	2241	0	104	67-129	0	
Methyl iodide	1133	560	1121	93.56	92.8	10-200	0	
Methyl tert-butyl ether	1135	34	1121	0	101	79-139	0	
Methylene chloride	1264	280	1121	0	113	62-135	0	
Naphthalene	1046	110	1121	0	93.3	53-135	0	
n-Propylbenzene	1130	34	1121	0	101	65-128	0	
o-Xylene	1173	34	1121	0	105	75-120	0	
Styrene	1159	34	1121	0	103	74-126	0	
Tetrachloroethene	2172	34	1121	0	194	76-128	0	S
Toluene	1173	34	1121	0	105	76-120	0	
trans-1,2-Dichloroethene	1186	34	1121	0	106	72-127	0	
trans-1,3-Dichloropropene	890.3	34	1121	0	79.4	66-120	0	
trans-1,4-Dichloro-2-butene	765.3	34	1121	0	68.3	56-122	0	
Trichloroethene	1926	34	1121	0	172	75-122	0	S
Trichlorofluoromethane	1094	34	1121	0	97.6	51-115	0	
Vinyl chloride	1175	34	1121	0	105	43-128	0	
Xylenes, Total	3497	100	3362	0	104	67-129	0	
Surr: 1,2-Dichloroethane-d4	*1115*	0	*1121*	0	*99.5*	*80-120*	0	
Surr: 4-Bromofluorobenzene	*1163*	0	*1121*	0	*104*	*80-120*	0	
Surr: Dibromofluoromethane	*1135*	0	*1121*	0	*101*	*80-120*	0	
Surr: Toluene-d8	*1065*	0	*1121*	0	*95*	*80-120*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228645** Instrument ID **VMS7** Method: **SW8260D**

MSD	Sample ID: **23110392-02C MSD**				Units: **µg/Kg-dry**		Analysis Date: **11/7/2023 10:05 AM**			
Client ID:		Run ID: **VMS12_231106A**			SeqNo: **10171801**		Prep Date: **11/6/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1059	34	1121	0	94.5	72-120	1091	2.97	30	
1,1,1-Trichloroethane	1135	34	1121	0	101	75-121	1166	2.73	30	
1,1,2,2-Tetrachloroethane	198.3	34	1121	0	17.7	79-125	203.9	2.79	30	S
1,1,2-Trichloroethane	1180	34	1121	0	105	80-123	1117	5.51	30	
1,1,2-Trichlorotrifluoroethane	1224	34	1121	0	109	62-129	1216	0.643	30	
1,1-Dichloroethane	1227	34	1121	0	109	74-124	1211	1.29	30	
1,1-Dichloroethene	1254	34	1121	0	112	68-131	1253	0.0894	30	
1,2,3-Trichloropropane	1228	34	1121	0	110	77-121	1149	6.65	30	
1,2,3-Trimethylbenzene	1161	34	1121	0	104	76-127	1143	1.6	30	
1,2,4-Trichlorobenzene	1226	110	1121	0	109	63-130	1240	1.14	30	
1,2,4-Trimethylbenzene	1276	34	1121	0	114	64-126	1235	3.21	30	
1,2-Dibromo-3-chloropropane	862.3	110	1121	0	76.9	55-135	792.8	8.4	30	
1,2-Dibromoethane	1208	34	1121	0	108	63-155	1227	1.56	30	
1,2-Dichlorobenzene	1166	34	1121	0	104	77-122	1129	3.22	30	
1,2-Dichloroethane	1197	34	1121	0	107	70-130	1198	0.0935	30	
1,2-Dichloropropane	1176	34	1121	0	105	71-130	1150	2.22	30	
1,3,5-Trimethylbenzene	1303	110	1121	0	116	66-130	1260	3.37	30	
1,3-Dichlorobenzene	1164	34	1121	0	104	78-121	1124	3.53	30	
1,4-Dichlorobenzene	1207	34	1121	0	108	78-122	1136	6.12	30	
2-Butanone	1696	220	1121	0	151	47-164	1685	0.662	30	
2-Hexanone	1838	34	1121	0	164	70-137	1699	7.86	30	S
2-Methylnaphthalene	1097	110	1121	0	97.9	50-150	1183	7.57	30	
4-Methyl-2-pentanone	1261	34	1121	0	112	57-200	1163	8.04	30	
Acetone	3360	110	1121	0	300	52-190	3017	10.8	30	S
Acrylonitrile	1360	110	1121	0	121	61-142	1222	10.7	30	
Benzene	1233	34	1121	0	110	78-122	1243	0.86	30	
Bromochloromethane	1303	34	1121	0	116	68-130	1237	5.25	30	
Bromodichloromethane	1091	34	1121	0	97.3	75-125	1099	0.717	30	
Bromoform	893.1	34	1121	0	79.7	59-120	876.8	1.84	30	
Bromomethane	960.9	110	1121	0	85.7	31-169	979.3	1.91	30	
Carbon disulfide	1099	34	1121	0	98.1	60-163	1082	1.54	30	
Carbon tetrachloride	1135	34	1121	0	101	69-123	1156	1.91	30	
Chlorobenzene	1175	34	1121	0	105	79-120	1164	0.958	30	
Chloroethane	2029	110	1121	0	181	38-132	1707	17.2	30	S
Chloroform	1215	34	1121	0	108	72-122	1217	0.184	30	
Chloromethane	1091	110	1121	0	97.4	24-119	1014	7.34	30	
cis-1,2-Dichloroethene	1184	34	1121	0	106	74-125	1165	1.62	30	
cis-1,3-Dichloropropene	1005	34	1121	0	89.7	62-124	995	1.01	30	
Dibromochloromethane	926.1	34	1121	0	82.6	57-123	943.5	1.86	30	
Dibromomethane	1157	34	1121	0	103	70-128	1179	1.87	30	
Dichlorodifluoromethane	1238	110	1121	0	110	28-137	1091	12.6	30	
Diethyl ether	1164	34	1121	0	104	65-159	1166	0.24	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228645** Instrument ID **VMS7** Method: **SW8260D**

Ethylbenzene	1156	34	1121	0	103	75-121	1124	2.85	30	
Hexachloroethane	1020	110	1121	0	91	57-134	1016	0.385	30	
Isopropylbenzene	1244	34	1121	0	111	74-121	1194	4.09	30	
m,p-Xylene	2380	67	2241	0	106	67-129	2324	2.38	30	
Methyl iodide	1198	560	1121	93.56	98.5	10-200	1133	5.53	30	
Methyl tert-butyl ether	1128	34	1121	0	101	79-139	1135	0.594	30	
Methylene chloride	1328	280	1121	0	119	62-135	1264	4.97	30	
Naphthalene	1009	110	1121	0	90	53-135	1046	3.6	30	
n-Propylbenzene	1184	34	1121	0	106	65-128	1130	4.7	30	
o-Xylene	1220	34	1121	0	109	75-120	1173	3.93	30	
Styrene	1168	34	1121	0	104	74-126	1159	0.771	30	
Tetrachloroethene	2169	34	1121	0	194	76-128	2172	0.129	30	S
Toluene	1202	34	1121	0	107	76-120	1173	2.41	30	
trans-1,2-Dichloroethene	1212	34	1121	0	108	72-127	1186	2.15	30	
trans-1,3-Dichloropropene	876.8	34	1121	0	78.2	66-120	890.3	1.52	30	
trans-1,4-Dichloro-2-butene	774.3	34	1121	0	69.1	56-122	765.3	1.16	30	
Trichloroethene	1944	34	1121	0	173	75-122	1926	0.956	30	S
Trichlorofluoromethane	1252	34	1121	0	112	51-115	1094	13.5	30	
Vinyl chloride	1224	34	1121	0	109	43-128	1175	4.06	30	
Xylenes, Total	3600	100	3362	0	107	67-129	3497	2.9	30	
Surr: 1,2-Dichloroethane-d4	*1115*	0	*1121*	0	*99.5*	*80-120*	1115	*0*	*30*	
Surr: 4-Bromofluorobenzene	*1165*	0	*1121*	0	*104*	*80-120*	1163	*0.192*	*30*	
Surr: Dibromofluoromethane	*1125*	0	*1121*	0	*100*	*80-120*	1135	*0.892*	*30*	
Surr: Toluene-d8	*1062*	0	*1121*	0	*94.7*	*80-120*	1065	*0.263*	*30*	

The following samples were analyzed in this batch:

23110289-29B	23110289-30B	23110289-31B
23110289-32B	23110289-33B	23110289-34B
23110289-35B	23110289-36B	23110289-37B
23110289-38B	23110289-39B	23110289-40B
23110289-41B	23110289-42B	23110289-43B
23110289-44B	23110289-45B	23110289-46B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228656** Instrument ID **VMS10** Method: **SW8260D**

MBLK Sample ID: **MBLK-228656-228656** Units: **µg/Kg-dry** Analysis Date: **11/9/2023 02:22 PM**
Client ID: Run ID: **VMS10_231109A** SeqNo: **10188408** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	30								
1,1,1-Trichloroethane	ND	30								
1,1,2,2-Tetrachloroethane	ND	30								
1,1,2-Trichloroethane	ND	30								
1,1,2-Trichlorotrifluoroethane	ND	30								
1,1-Dichloroethane	ND	30								
1,1-Dichloroethene	ND	30								
1,2,3-Trichloropropane	ND	30								
1,2,3-Trimethylbenzene	ND	30								
1,2,4-Trichlorobenzene	ND	100								
1,2,4-Trimethylbenzene	ND	30								
1,2-Dibromo-3-chloropropane	ND	100								
1,2-Dibromoethane	ND	30								
1,2-Dichlorobenzene	ND	30								
1,2-Dichloroethane	ND	30								
1,2-Dichloropropane	ND	30								
1,3,5-Trimethylbenzene	ND	100								
1,3-Dichlorobenzene	ND	30								
1,4-Dichlorobenzene	ND	30								
2-Butanone	ND	200								
2-Hexanone	ND	30								
2-Methylnaphthalene	ND	100								
4-Methyl-2-pentanone	ND	30								
Acetone	ND	100								
Acrylonitrile	ND	100								
Benzene	ND	30								
Bromochloromethane	ND	30								
Bromodichloromethane	ND	30								
Bromoform	ND	30								
Bromomethane	ND	100								
Carbon disulfide	ND	30								
Carbon tetrachloride	ND	30								
Chlorobenzene	ND	30								
Chloroethane	ND	100								
Chloroform	ND	30								
Chloromethane	ND	100								
cis-1,2-Dichloroethene	ND	30								
cis-1,3-Dichloropropene	ND	30								
Dibromochloromethane	ND	30								
Dibromomethane	ND	30								
Dichlorodifluoromethane	ND	100								
Diethyl ether	ND	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228656** Instrument ID **VMS10** Method: **SW8260D**

Ethylbenzene	ND	30					
Hexachloroethane	ND	100					
Isopropylbenzene	ND	30					
m,p-Xylene	ND	60					
Methyl iodide	ND	500					
Methyl tert-butyl ether	ND	30					
Methylene chloride	ND	250					
Naphthalene	ND	100					
n-Propylbenzene	ND	30					
o-Xylene	ND	30					
Styrene	ND	30					
Tetrachloroethene	ND	30					
Toluene	ND	30					
trans-1,2-Dichloroethene	ND	30					
trans-1,3-Dichloropropene	ND	30					
trans-1,4-Dichloro-2-butene	ND	30					
Trichloroethene	ND	30					
Trichlorofluoromethane	ND	30					
Vinyl acetate	ND	250					
Vinyl chloride	ND	30					
Xylenes, Total	ND	90					
Surr: 1,2-Dichloroethane-d4	*978.5*	0	*1000*	0	*97.8*	*80-120*	0
Surr: 4-Bromofluorobenzene	*828*	0	*1000*	0	*82.8*	*80-120*	0
Surr: Dibromofluoromethane	*892.5*	0	*1000*	0	*89.2*	*80-120*	0
Surr: Toluene-d8	*913.5*	0	*1000*	0	*91.4*	*80-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228656** Instrument ID **VMS10** Method: **SW8260D**

LCS	Sample ID: **LCS-228656-228656**				Units: **µg/Kg-dry**		Analysis Date: **11/9/2023 01:31 PM**			
Client ID:	Run ID: **VMS10_231109A**				SeqNo: **10188406**		Prep Date: **11/6/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1012	30	1000	0	101	72-120	0			
1,1,1-Trichloroethane	925.5	30	1000	0	92.6	75-121	0			
1,1,2,2-Tetrachloroethane	1108	30	1000	0	111	79-125	0			
1,1,2-Trichloroethane	1030	30	1000	0	103	80-123	0			
1,1,2-Trichlorotrifluoroethane	989	30	1000	0	98.9	62-129	0			
1,1-Dichloroethane	1034	30	1000	0	103	74-124	0			
1,1-Dichloroethene	1068	30	1000	0	107	68-131	0			
1,2,3-Trichloropropane	1002	30	1000	0	100	77-121	0			
1,2,3-Trimethylbenzene	1038	30	1000	0	104	76-127	0			
1,2,4-Trichlorobenzene	994	100	1000	0	99.4	63-130	0			
1,2,4-Trimethylbenzene	1027	30	1000	0	103	64-126	0			
1,2-Dibromo-3-chloropropane	797.5	100	1000	0	79.8	55-135	0			
1,2-Dibromoethane	1086	30	1000	0	109	63-155	0			
1,2-Dichlorobenzene	1060	30	1000	0	106	77-122	0			
1,2-Dichloroethane	1016	30	1000	0	102	70-130	0			
1,2-Dichloropropane	993	30	1000	0	99.3	71-130	0			
1,3,5-Trimethylbenzene	1018	100	1000	0	102	66-130	0			
1,3-Dichlorobenzene	1040	30	1000	0	104	78-121	0			
1,4-Dichlorobenzene	1068	30	1000	0	107	78-122	0			
2-Butanone	903.5	200	1000	0	90.4	47-164	0			
2-Hexanone	965.5	30	1000	0	96.6	70-137	0			
2-Methylnaphthalene	903.5	100	1000	0	90.4	50-150	0			
4-Methyl-2-pentanone	1352	30	1000	0	135	57-200	0			
Acetone	937	100	1000	0	93.7	52-190	0			
Acrylonitrile	984	100	1000	0	98.4	61-142	0			
Benzene	1046	30	1000	0	105	78-122	0			
Bromochloromethane	1138	30	1000	0	114	68-130	0			
Bromodichloromethane	918	30	1000	0	91.8	75-125	0			
Bromoform	881	30	1000	0	88.1	59-120	0			
Bromomethane	819.5	100	1000	0	82	31-169	0			
Carbon disulfide	1018	30	1000	0	102	60-163	0			
Carbon tetrachloride	891	30	1000	0	89.1	69-123	0			
Chlorobenzene	1033	30	1000	0	103	79-120	0			
Chloroethane	808	100	1000	0	80.8	38-132	0			
Chloroform	1056	30	1000	0	106	72-122	0			
Chloromethane	856	100	1000	0	85.6	24-119	0			
cis-1,2-Dichloroethene	1042	30	1000	0	104	74-125	0			
cis-1,3-Dichloropropene	915.5	30	1000	0	91.6	62-124	0			
Dibromochloromethane	827	30	1000	0	82.7	57-123	0			
Dibromomethane	1016	30	1000	0	102	70-128	0			
Dichlorodifluoromethane	594.5	100	1000	0	59.4	28-137	0			
Diethyl ether	1006	30	1000	0	101	65-159	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228656** Instrument ID **VMS10** Method: **SW8260D**

Ethylbenzene	1022	30	1000	0	102	75-121	0
Hexachloroethane	863.5	100	1000	0	86.4	57-134	0
Isopropylbenzene	1042	30	1000	0	104	74-121	0
m,p-Xylene	2039	60	2000	0	102	67-129	0
Methyl iodide	732	500	1000	0	73.2	10-200	0
Methyl tert-butyl ether	1026	30	1000	0	103	79-139	0
Methylene chloride	1068	250	1000	0	107	62-135	0
Naphthalene	885.5	100	1000	0	88.6	53-135	0
n-Propylbenzene	1030	30	1000	0	103	65-128	0
o-Xylene	1025	30	1000	0	102	75-120	0
Styrene	980.5	30	1000	0	98	74-126	0
Tetrachloroethene	1016	30	1000	0	102	76-128	0
Toluene	1001	30	1000	0	100	76-120	0
trans-1,2-Dichloroethene	1062	30	1000	0	106	72-127	0
trans-1,3-Dichloropropene	804	30	1000	0	80.4	66-120	0
trans-1,4-Dichloro-2-butene	697	30	1000	0	69.7	56-122	0
Trichloroethene	951.5	30	1000	0	95.2	75-122	0
Trichlorofluoromethane	806.5	30	1000	0	80.6	51-115	0
Vinyl chloride	837	30	1000	0	83.7	43-128	0
Xylenes, Total	3064	90	3000	0	102	67-129	0
Surr: 1,2-Dichloroethane-d4	*976*	0	*1000*	0	*97.6*	*80-120*	0
Surr: 4-Bromofluorobenzene	*1023*	0	*1000*	0	*102*	*80-120*	0
Surr: Dibromofluoromethane	*1034*	0	*1000*	0	*103*	*80-120*	0
Surr: Toluene-d8	*1010*	0	*1000*	0	*101*	*80-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228656** Instrument ID **VMS10** Method: **SW8260D**

MS Sample ID: **23110289-50B MS** Units: **µg/Kg-dry** Analysis Date: **11/9/2023 08:58 PM**
Client ID: **GP-93@4'** Run ID: **VMS10_231109A** SeqNo: **10188431** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1068	34	1145	0	93.3	72-120	0			
1,1,1-Trichloroethane	1030	34	1145	0	89.9	75-121	0			
1,1,2,2-Tetrachloroethane	1228	34	1145	0	107	79-125	0			
1,1,2-Trichloroethane	1109	34	1145	0	96.9	80-123	0			
1,1,2-Trichlorotrifluoroethane	1170	34	1145	0	102	62-129	0			
1,1-Dichloroethane	1216	34	1145	0	106	74-124	0			
1,1-Dichloroethene	1268	34	1145	0	111	68-131	0			
1,2,3-Trichloropropane	1186	34	1145	0	104	77-121	0			
1,2,3-Trimethylbenzene	1166	34	1145	0	102	76-127	0			
1,2,4-Trichlorobenzene	1031	110	1145	0	90	63-130	0			
1,2,4-Trimethylbenzene	1135	34	1145	0	99.1	64-126	0			
1,2-Dibromo-3-chloropropane	822.8	110	1145	0	71.8	55-135	0			
1,2-Dibromoethane	1175	34	1145	0	103	63-155	0			
1,2-Dichlorobenzene	1154	34	1145	0	101	77-122	0			
1,2-Dichloroethane	1100	34	1145	0	96.1	70-130	0			
1,2-Dichloropropane	1158	34	1145	0	101	71-130	0			
1,3,5-Trimethylbenzene	1118	110	1145	0	97.7	66-130	0			
1,3-Dichlorobenzene	1139	34	1145	0	99.5	78-121	0			
1,4-Dichlorobenzene	1187	34	1145	0	104	78-122	0			
2-Butanone	3555	230	1145	0	310	47-164	0			S
2-Hexanone	1186	34	1145	0	104	70-137	0			
2-Methylnaphthalene	1434	110	1145	0	125	50-150	0			
4-Methyl-2-pentanone	1505	34	1145	9.734	131	57-200	0			
Acetone	1150	110	1145	14.89	99.1	52-190	0			
Acrylonitrile	1205	110	1145	0	105	61-142	0			
Benzene	1206	34	1145	0	105	78-122	0			
Bromochloromethane	1320	34	1145	0	115	68-130	0			
Bromodichloromethane	933.3	34	1145	0	81.5	75-125	0			
Bromoform	953.9	34	1145	0	83.3	59-120	0			
Bromomethane	853.1	110	1145	48.1	70.3	31-169	0			
Carbon disulfide	1005	34	1145	0	87.7	60-163	0			
Carbon tetrachloride	968.8	34	1145	0	84.6	69-123	0			
Chlorobenzene	1168	34	1145	0	102	79-120	0			
Chloroethane	749.5	110	1145	0	65.4	38-132	0			
Chloroform	1209	34	1145	0	106	72-122	0			
Chloromethane	928.7	110	1145	7.443	80.4	24-119	0			
cis-1,2-Dichloroethene	1200	34	1145	0	105	74-125	0			
cis-1,3-Dichloropropene	932.1	34	1145	0	81.4	62-124	0			
Dibromochloromethane	848	34	1145	0	74	57-123	0			
Dibromomethane	1085	34	1145	0	94.7	70-128	0			
Dichlorodifluoromethane	913.2	110	1145	0	79.7	28-137	0			
Diethyl ether	1225	34	1145	0	107	65-159	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228656** Instrument ID **VMS10** Method: **SW8260D**

Ethylbenzene	1151	34	1145	0	101	75-121	0	
Hexachloroethane	880.6	110	1145	0	76.9	57-134	0	
Isopropylbenzene	1181	34	1145	0	103	74-121	0	
m,p-Xylene	2272	69	2290	6.298	98.9	67-129	0	
Methyl iodide	617.8	570	1145	0	53.9	10-200	0	
Methyl tert-butyl ether	1209	34	1145	0	106	79-139	0	
Methylene chloride	1307	290	1145	0	114	62-135	0	
Naphthalene	1058	110	1145	0	92.3	53-135	0	
n-Propylbenzene	1138	34	1145	0	99.3	65-128	0	
o-Xylene	1182	34	1145	0	103	75-120	0	
Styrene	1139	34	1145	0	99.5	74-126	0	
Tetrachloroethene	1581	34	1145	0	138	76-128	0	S
Toluene	1167	34	1145	0	102	76-120	0	
trans-1,2-Dichloroethene	1246	34	1145	0	109	72-127	0	
trans-1,3-Dichloropropene	845.1	34	1145	0	73.8	66-120	0	
trans-1,4-Dichloro-2-butene	852	34	1145	0	74.4	56-122	0	
Trichloroethene	1090	34	1145	0	95.2	75-122	0	
Trichlorofluoromethane	1034	34	1145	0	90.3	51-115	0	
Vinyl chloride	1049	34	1145	0	91.6	43-128	0	
Xylenes, Total	3454	100	3435	0	101	67-129	0	
Surr: 1,2-Dichloroethane-d4	*1122*	0	*1145*	0	*97.9*	*80-120*	0	
Surr: 4-Bromofluorobenzene	*1208*	0	*1145*	0	*105*	*80-120*	0	
Surr: Dibromofluoromethane	*1080*	0	*1145*	0	*94.3*	*80-120*	0	
Surr: Toluene-d8	*1126*	0	*1145*	0	*98.3*	*80-120*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228656** Instrument ID **VMS10** Method: **SW8260D**

MSD Sample ID: **23110289-50B MSD** Units: **µg/Kg-dry** Analysis Date: **11/9/2023 09:15 PM**

Client ID: **GP-93@4'** Run ID: **VMS10_231109A** SeqNo: **10188432** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1189	34	1145	0	104	72-120	1068	10.7	30	
1,1,1-Trichloroethane	1198	34	1145	0	105	75-121	1030	15.1	30	
1,1,2,2-Tetrachloroethane	1357	34	1145	0	119	79-125	1228	9.97	30	
1,1,2-Trichloroethane	1250	34	1145	0	109	80-123	1109	11.9	30	
1,1,2-Trichlorotrifluoroethane	1374	34	1145	0	120	62-129	1170	16	30	
1,1-Dichloroethane	1376	34	1145	0	120	74-124	1216	12.4	30	
1,1-Dichloroethene	1447	34	1145	0	126	68-131	1268	13.2	30	
1,2,3-Trichloropropane	1252	34	1145	0	109	77-121	1186	5.4	30	
1,2,3-Trimethylbenzene	1301	34	1145	0	114	76-127	1166	11	30	
1,2,4-Trichlorobenzene	1151	110	1145	0	100	63-130	1031	11	30	
1,2,4-Trimethylbenzene	1237	34	1145	0	108	64-126	1135	8.64	30	
1,2-Dibromo-3-chloropropane	909.2	110	1145	0	79.4	55-135	822.8	9.98	30	
1,2-Dibromoethane	1302	34	1145	0	114	63-155	1175	10.2	30	
1,2-Dichlorobenzene	1260	34	1145	0	110	77-122	1154	8.82	30	
1,2-Dichloroethane	1226	34	1145	0	107	70-130	1100	10.8	30	
1,2-Dichloropropane	1272	34	1145	0	111	71-130	1158	9.33	30	
1,3,5-Trimethylbenzene	1240	110	1145	0	108	66-130	1118	10.3	30	
1,3-Dichlorobenzene	1279	34	1145	0	112	78-121	1139	11.6	30	
1,4-Dichlorobenzene	1327	34	1145	0	116	78-122	1187	11.2	30	
2-Butanone	4366	230	1145	0	381	47-164	3555	20.5	30	S
2-Hexanone	1314	34	1145	0	115	70-137	1186	10.2	30	
2-Methylnaphthalene	1410	110	1145	0	123	50-150	1434	1.73	30	
4-Methyl-2-pentanone	1628	34	1145	9.734	141	57-200	1505	7.82	30	
Acetone	1808	110	1145	14.89	157	52-190	1150	44.4	30	R
Acrylonitrile	1406	110	1145	0	123	61-142	1205	15.4	30	
Benzene	1326	34	1145	0	116	78-122	1206	9.45	30	
Bromochloromethane	1507	34	1145	0	132	68-130	1320	13.2	30	S
Bromodichloromethane	1060	34	1145	0	92.6	75-125	933.3	12.8	30	
Bromoform	979.7	34	1145	0	85.5	59-120	953.9	2.67	30	
Bromomethane	925.8	110	1145	48.1	76.6	31-169	853.1	8.18	30	
Carbon disulfide	1186	34	1145	0	104	60-163	1005	16.5	30	
Carbon tetrachloride	1124	34	1145	0	98.1	69-123	968.8	14.8	30	
Chlorobenzene	1224	34	1145	0	107	79-120	1168	4.64	30	
Chloroethane	867.4	110	1145	0	75.7	38-132	749.5	14.6	30	
Chloroform	1406	34	1145	0	123	72-122	1209	15.1	30	S
Chloromethane	1119	110	1145	7.443	97.1	24-119	928.7	18.6	30	
cis-1,2-Dichloroethene	1367	34	1145	0	119	74-125	1200	13	30	
cis-1,3-Dichloropropene	998.6	34	1145	0	87.2	62-124	932.1	6.88	30	
Dibromochloromethane	912.7	34	1145	0	79.7	57-123	848	7.35	30	
Dibromomethane	1210	34	1145	0	106	70-128	1085	10.9	30	
Dichlorodifluoromethane	1053	110	1145	0	91.9	28-137	913.2	14.2	30	
Diethyl ether	1333	34	1145	0	116	65-159	1225	8.46	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228656** Instrument ID **VMS10** Method: **SW8260D**

Ethylbenzene	1263	34	1145	0	110	75-121	1151	9.25	30	
Hexachloroethane	942.4	110	1145	0	82.3	57-134	880.6	6.78	30	
Isopropylbenzene	1325	34	1145	0	116	74-121	1181	11.6	30	
m,p-Xylene	2475	69	2290	6.298	108	67-129	2272	8.52	30	
Methyl iodide	841.1	570	1145	0	73.4	10-200	617.8	30.6	30	R
Methyl tert-butyl ether	1386	34	1145	0	121	79-139	1209	13.6	30	
Methylene chloride	1489	290	1145	0	130	62-135	1307	13	30	
Naphthalene	1131	110	1145	0	98.7	53-135	1058	6.7	30	
n-Propylbenzene	1261	34	1145	0	110	65-128	1138	10.3	30	
o-Xylene	1261	34	1145	0	110	75-120	1182	6.47	30	
Styrene	1209	34	1145	0	106	74-126	1139	5.95	30	
Tetrachloroethene	1778	34	1145	0	155	76-128	1581	11.8	30	S
Toluene	1237	34	1145	0	108	76-120	1167	5.81	30	
trans-1,2-Dichloroethene	1428	34	1145	0	125	72-127	1246	13.6	30	
trans-1,3-Dichloropropene	931.6	34	1145	0	81.3	66-120	845.1	9.73	30	
trans-1,4-Dichloro-2-butene	898.4	34	1145	0	78.4	56-122	852	5.3	30	
Trichloroethene	1214	34	1145	0	106	75-122	1090	10.7	30	
Trichlorofluoromethane	1158	34	1145	0	101	51-115	1034	11.3	30	
Vinyl chloride	1184	34	1145	0	103	43-128	1049	12.1	30	
Xylenes, Total	3735	100	3435	0	109	67-129	3454	7.82	30	
Surr: 1,2-Dichloroethane-d4	*1162*	0	*1145*	0	*101*	*80-120*	1122	*3.56*	*30*	
Surr: 4-Bromofluorobenzene	*1171*	0	*1145*	0	*102*	*80-120*	1208	*3.03*	*30*	
Surr: Dibromofluoromethane	*1130*	0	*1145*	0	*98.7*	*80-120*	1080	*4.51*	*30*	
Surr: Toluene-d8	*1128*	0	*1145*	0	*98.5*	*80-120*	1126	*0.153*	*30*	

The following samples were analyzed in this batch:

23110289-47B	23110289-48B	23110289-49B
23110289-50B	23110289-51B	23110289-52B
23110289-53B	23110289-54B	23110289-55B
23110289-56B	23110289-57B	23110289-58B
23110289-59B	23110289-60B	23110289-61B
23110289-62B	23110289-63B	23110289-64B
23110289-65B	23110289-66B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228661** Instrument ID **VMS10** Method: **SW8260D**

MBLK Sample ID: **MBLK-228661-228661** Units: **µg/Kg-dry** Analysis Date: **11/10/2023 09:06 PM**
Client ID: Run ID: **VMS10_231110B** SeqNo: **10192250** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	30								
1,1,1-Trichloroethane	ND	30								
1,1,2,2-Tetrachloroethane	ND	30								
1,1,2-Trichloroethane	ND	30								
1,1,2-Trichlorotrifluoroethane	ND	30								
1,1-Dichloroethane	ND	30								
1,1-Dichloroethene	ND	30								
1,2,3-Trichloropropane	ND	30								
1,2,3-Trimethylbenzene	ND	30								
1,2,4-Trichlorobenzene	ND	100								
1,2,4-Trimethylbenzene	ND	30								
1,2-Dibromo-3-chloropropane	ND	100								
1,2-Dibromoethane	ND	30								
1,2-Dichlorobenzene	ND	30								
1,2-Dichloroethane	ND	30								
1,2-Dichloropropane	ND	30								
1,3,5-Trimethylbenzene	ND	100								
1,3-Dichlorobenzene	ND	30								
1,4-Dichlorobenzene	ND	30								
2-Butanone	ND	200								
2-Hexanone	ND	30								
2-Methylnaphthalene	ND	100								
4-Methyl-2-pentanone	ND	30								
Acetone	ND	100								
Acrylonitrile	ND	100								
Benzene	ND	30								
Bromochloromethane	ND	30								
Bromodichloromethane	ND	30								
Bromoform	ND	30								
Bromomethane	ND	100								
Carbon disulfide	ND	30								
Carbon tetrachloride	ND	30								
Chlorobenzene	ND	30								
Chloroethane	ND	100								
Chloroform	ND	30								
Chloromethane	ND	100								
cis-1,2-Dichloroethene	ND	30								
cis-1,3-Dichloropropene	ND	30								
Dibromochloromethane	ND	30								
Dibromomethane	ND	30								
Dichlorodifluoromethane	ND	100								
Diethyl ether	ND	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228661** Instrument ID **VMS10** Method: **SW8260D**

Ethylbenzene	ND	30					
Hexachloroethane	ND	100					
Isopropylbenzene	ND	30					
m,p-Xylene	ND	60					
Methyl iodide	ND	500					
Methyl tert-butyl ether	ND	30					
Methylene chloride	ND	250					
Naphthalene	ND	100					
n-Propylbenzene	ND	30					
o-Xylene	ND	30					
Styrene	ND	30					
Tetrachloroethene	ND	30					
Toluene	ND	30					
trans-1,2-Dichloroethene	ND	30					
trans-1,3-Dichloropropene	ND	30					
trans-1,4-Dichloro-2-butene	ND	30					
Trichloroethene	ND	30					
Trichlorofluoromethane	ND	30					
Vinyl acetate	ND	250					
Vinyl chloride	ND	30					
Xylenes, Total	ND	90					
Surr: 1,2-Dichloroethane-d4	*1002*	0	*1000*	0	*100*	*80-120*	0
Surr: 4-Bromofluorobenzene	*1020*	0	*1000*	0	*102*	*80-120*	0
Surr: Dibromofluoromethane	*933.5*	0	*1000*	0	*93.4*	*80-120*	0
Surr: Toluene-d8	*997*	0	*1000*	0	*99.7*	*80-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228661** Instrument ID **VMS10** Method: **SW8260D**

LCS	Sample ID: **LCS-228661-228661**				Units: **µg/Kg-dry**		Analysis Date: **11/10/2023 08:14 PM**			
Client ID:	Run ID: **VMS10_231110B**				SeqNo: **10192248**		Prep Date: **11/6/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	926.5	30	1000	0	92.6	72-120	0			
1,1,1-Trichloroethane	876.5	30	1000	0	87.6	75-121	0			
1,1,2,2-Tetrachloroethane	1074	30	1000	0	107	79-125	0			
1,1,2-Trichloroethane	935.5	30	1000	0	93.6	80-123	0			
1,1,2-Trichlorotrifluoroethane	874.5	30	1000	0	87.4	62-129	0			
1,1-Dichloroethane	981	30	1000	0	98.1	74-124	0			
1,1-Dichloroethene	935	30	1000	0	93.5	68-131	0			
1,2,3-Trichloropropane	948.5	30	1000	0	94.8	77-121	0			
1,2,3-Trimethylbenzene	987	30	1000	0	98.7	76-127	0			
1,2,4-Trichlorobenzene	922	100	1000	0	92.2	63-130	0			
1,2,4-Trimethylbenzene	960.5	30	1000	0	96	64-126	0			
1,2-Dibromo-3-chloropropane	760	100	1000	0	76	55-135	0			
1,2-Dibromoethane	1018	30	1000	0	102	63-155	0			
1,2-Dichlorobenzene	985	30	1000	0	98.5	77-122	0			
1,2-Dichloroethane	934	30	1000	0	93.4	70-130	0			
1,2-Dichloropropane	1014	30	1000	0	101	71-130	0			
1,3,5-Trimethylbenzene	961.5	100	1000	0	96.2	66-130	0			
1,3-Dichlorobenzene	979.5	30	1000	0	98	78-121	0			
1,4-Dichlorobenzene	999.5	30	1000	0	100	78-122	0			
2-Butanone	894.5	200	1000	0	89.4	47-164	0			
2-Hexanone	949.5	30	1000	0	95	70-137	0			
2-Methylnaphthalene	1016	100	1000	0	102	50-150	0			
4-Methyl-2-pentanone	1334	30	1000	0	133	57-200	0			
Acetone	938.5	100	1000	0	93.8	52-190	0			
Acrylonitrile	1006	100	1000	0	101	61-142	0			
Benzene	983.5	30	1000	0	98.4	78-122	0			
Bromochloromethane	1152	30	1000	0	115	68-130	0			
Bromodichloromethane	851.5	30	1000	0	85.2	75-125	0			
Bromoform	790	30	1000	0	79	59-120	0			
Bromomethane	763.5	100	1000	0	76.4	31-169	0			
Carbon disulfide	911	30	1000	0	91.1	60-163	0			
Carbon tetrachloride	830	30	1000	0	83	69-123	0			
Chlorobenzene	961	30	1000	0	96.1	79-120	0			
Chloroethane	695	100	1000	0	69.5	38-132	0			
Chloroform	967	30	1000	0	96.7	72-122	0			
Chloromethane	686.5	100	1000	0	68.6	24-119	0			
cis-1,2-Dichloroethene	1008	30	1000	0	101	74-125	0			
cis-1,3-Dichloropropene	827	30	1000	0	82.7	62-124	0			
Dibromochloromethane	759.5	30	1000	0	76	57-123	0			
Dibromomethane	953	30	1000	0	95.3	70-128	0			
Dichlorodifluoromethane	440.5	100	1000	0	44	28-137	0			
Diethyl ether	952	30	1000	0	95.2	65-159	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228661** Instrument ID **VMS10** Method: **SW8260D**

Ethylbenzene	977	30	1000	0	97.7	75-121	0
Hexachloroethane	779.5	100	1000	0	78	57-134	0
Isopropylbenzene	1002	30	1000	0	100	74-121	0
m,p-Xylene	1913	60	2000	0	95.6	67-129	0
Methyl iodide	737.5	500	1000	0	73.8	10-200	0
Methyl tert-butyl ether	1014	30	1000	0	101	79-139	0
Methylene chloride	1063	250	1000	0	106	62-135	0
Naphthalene	904.5	100	1000	0	90.4	53-135	0
n-Propylbenzene	968.5	30	1000	0	96.8	65-128	0
o-Xylene	998.5	30	1000	0	99.8	75-120	0
Styrene	926	30	1000	0	92.6	74-126	0
Tetrachloroethene	947.5	30	1000	0	94.8	76-128	0
Toluene	965	30	1000	0	96.5	76-120	0
trans-1,2-Dichloroethene	1018	30	1000	0	102	72-127	0
trans-1,3-Dichloropropene	783.5	30	1000	0	78.4	66-120	0
trans-1,4-Dichloro-2-butene	658	30	1000	0	65.8	56-122	0
Trichloroethene	895.5	30	1000	0	89.6	75-122	0
Trichlorofluoromethane	723	30	1000	0	72.3	51-115	0
Vinyl chloride	727.5	30	1000	0	72.8	43-128	0
Xylenes, Total	2912	90	3000	0	97	67-129	0
Surr: 1,2-Dichloroethane-d4	*981.5*	0	*1000*	0	*98.2*	*80-120*	0
Surr: 4-Bromofluorobenzene	*1044*	0	*1000*	0	*104*	*80-120*	0
Surr: Dibromofluoromethane	*994.5*	0	*1000*	0	*99.4*	*80-120*	0
Surr: Toluene-d8	*1024*	0	*1000*	0	*102*	*80-120*	0

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228661** Instrument ID **VMS10** Method: **SW8260D**

MS Sample ID: **23110289-88B MS** Units: **µg/Kg-dry** Analysis Date: **11/11/2023 03:11 AM**
Client ID: **GP-96@9'** Run ID: **VMS10_231110B** SeqNo: **10192271** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1112	37	1224	0	90.8	72-120	0			
1,1,1-Trichloroethane	1172	37	1224	0	95.7	75-121	0			
1,1,2,2-Tetrachloroethane	1446	37	1224	0	118	79-125	0			
1,1,2-Trichloroethane	1220	37	1224	0	99.6	80-123	0			
1,1,2-Trichlorotrifluoroethane	1226	37	1224	0	100	62-129	0			
1,1-Dichloroethane	1376	37	1224	0	112	74-124	0			
1,1-Dichloroethene	1405	37	1224	0	115	68-131	0			
1,2,3-Trichloropropane	1260	37	1224	0	103	77-121	0			
1,2,3-Trimethylbenzene	1340	37	1224	0	109	76-127	0			
1,2,4-Trichlorobenzene	1237	120	1224	0	101	63-130	0			
1,2,4-Trimethylbenzene	1272	37	1224	0	104	64-126	0			
1,2-Dibromo-3-chloropropane	918.9	120	1224	0	75	55-135	0			
1,2-Dibromoethane	1243	37	1224	0	101	63-155	0			
1,2-Dichlorobenzene	1324	37	1224	0	108	77-122	0			
1,2-Dichloroethane	1234	37	1224	0	101	70-130	0			
1,2-Dichloropropane	1390	37	1224	0	114	71-130	0			
1,3,5-Trimethylbenzene	1268	120	1224	0	104	66-130	0			
1,3-Dichlorobenzene	1287	37	1224	0	105	78-121	0			
1,4-Dichlorobenzene	1351	37	1224	0	110	78-122	0			
2-Butanone	4463	240	1224	0	365	47-164	0			S
2-Hexanone	1385	37	1224	0	113	70-137	0			
2-Methylnaphthalene	2152	120	1224	0	176	50-150	0			S
4-Methyl-2-pentanone	1628	37	1224	0	133	57-200	0			
Acetone	2224	120	1224	0	182	52-190	0			
Acrylonitrile	1361	120	1224	0	111	61-142	0			
Benzene	1381	37	1224	0	113	78-122	0			
Bromochloromethane	1581	37	1224	0	129	68-130	0			
Bromodichloromethane	1035	37	1224	0	84.5	75-125	0			
Bromoform	942.2	37	1224	0	76.9	59-120	0			
Bromomethane	752.4	120	1224	22.65	59.6	31-169	0			
Carbon disulfide	1069	37	1224	0	87.3	60-163	0			
Carbon tetrachloride	1036	37	1224	0	84.6	69-123	0			
Chlorobenzene	1248	37	1224	0	102	79-120	0			
Chloroethane	629.3	120	1224	0	51.4	38-132	0			
Chloroform	1301	37	1224	0	106	72-122	0			
Chloromethane	1036	120	1224	0	84.7	24-119	0			
cis-1,2-Dichloroethene	1350	37	1224	0	110	74-125	0			
cis-1,3-Dichloropropene	1017	37	1224	0	83.1	62-124	0			
Dibromochloromethane	795.8	37	1224	0	65	57-123	0			
Dibromomethane	1212	37	1224	0	99	70-128	0			
Dichlorodifluoromethane	751.8	120	1224	0	61.4	28-137	0			
Diethyl ether	1369	37	1224	0	112	65-159	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228661** Instrument ID **VMS10** Method: **SW8260D**

Ethylbenzene	1302	37	1224	0	106	75-121	0
Hexachloroethane	971.5	120	1224	0	79.3	57-134	0
Isopropylbenzene	1306	37	1224	0	107	74-121	0
m,p-Xylene	2555	73	2449	0	104	67-129	0
Methyl iodide	1140	610	1224	0	93.1	10-200	0
Methyl tert-butyl ether	1349	37	1224	0	110	79-139	0
Methylene chloride	1442	310	1224	0	118	62-135	0
Naphthalene	1367	120	1224	0	112	53-135	0
n-Propylbenzene	1291	37	1224	0	105	65-128	0
o-Xylene	1302	37	1224	0	106	75-120	0
Styrene	1240	37	1224	0	101	74-126	0
Tetrachloroethene	1472	37	1224	0	120	76-128	0
Toluene	1298	37	1224	0	106	76-120	0
trans-1,2-Dichloroethene	1440	37	1224	0	118	72-127	0
trans-1,3-Dichloropropene	915.8	37	1224	0	74.8	66-120	0
trans-1,4-Dichloro-2-butene	949.5	37	1224	0	77.5	56-122	0
Trichloroethene	1197	37	1224	0	97.8	75-122	0
Trichlorofluoromethane	1062	37	1224	0	86.7	51-115	0
Vinyl chloride	1099	37	1224	0	89.7	43-128	0
Xylenes, Total	3857	110	3673	0	105	67-129	0
Surr: 1,2-Dichloroethane-d4	*1228*	0	*1224*	0	*100*	*80-120*	0
Surr: 4-Bromofluorobenzene	*1294*	0	*1224*	0	*106*	*80-120*	0
Surr: Dibromofluoromethane	*1166*	0	*1224*	0	*95.2*	*80-120*	0
Surr: Toluene-d8	*1202*	0	*1224*	0	*98.2*	*80-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228661** Instrument ID **VMS10** Method: **SW8260D**

MSD Sample ID: **23110289-88B MSD** Units: **µg/Kg-dry** Analysis Date: **11/11/2023 03:28 AM**

Client ID: **GP-96@9'** Run ID: **VMS10_231110B** SeqNo: **10192272** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1166	37	1224	0	95.2	72-120	1112	4.73	30	
1,1,1-Trichloroethane	1205	37	1224	0	98.4	75-121	1172	2.78	30	
1,1,2,2-Tetrachloroethane	1358	37	1224	0	111	79-125	1446	6.24	30	
1,1,2-Trichloroethane	1284	37	1224	0	105	80-123	1220	5.09	30	
1,1,2-Trichlorotrifluoroethane	1314	37	1224	0	107	62-129	1226	6.99	30	
1,1-Dichloroethane	1482	37	1224	0	121	74-124	1376	7.41	30	
1,1-Dichloroethene	1532	37	1224	0	125	68-131	1405	8.63	30	
1,2,3-Trichloropropane	1288	37	1224	0	105	77-121	1260	2.16	30	
1,2,3-Trimethylbenzene	1277	37	1224	0	104	76-127	1340	4.82	30	
1,2,4-Trichlorobenzene	1139	120	1224	0	93	63-130	1237	8.19	30	
1,2,4-Trimethylbenzene	1334	37	1224	0	109	64-126	1272	4.79	30	
1,2-Dibromo-3-chloropropane	898.1	120	1224	0	73.3	55-135	918.9	2.29	30	
1,2-Dibromoethane	1315	37	1224	0	107	63-155	1243	5.65	30	
1,2-Dichlorobenzene	1289	37	1224	0	105	77-122	1324	2.67	30	
1,2-Dichloroethane	1297	37	1224	0	106	70-130	1234	4.98	30	
1,2-Dichloropropane	1398	37	1224	0	114	71-130	1390	0.571	30	
1,3,5-Trimethylbenzene	1335	120	1224	0	109	66-130	1268	5.08	30	
1,3-Dichlorobenzene	1231	37	1224	0	101	78-121	1287	4.47	30	
1,4-Dichlorobenzene	1306	37	1224	0	107	78-122	1351	3.36	30	
2-Butanone	4818	240	1224	0	393	47-164	4463	7.64	30	S
2-Hexanone	1516	37	1224	0	124	70-137	1385	9.03	30	
2-Methylnaphthalene	1902	120	1224	0	155	50-150	2152	12.3	30	S
4-Methyl-2-pentanone	1625	37	1224	0	133	57-200	1628	0.188	30	
Acetone	2568	120	1224	0	210	52-190	2224	14.4	30	S
Acrylonitrile	1444	120	1224	0	118	61-142	1361	5.94	30	
Benzene	1447	37	1224	0	118	78-122	1381	4.68	30	
Bromochloromethane	1653	37	1224	0	135	68-130	1581	4.43	30	S
Bromodichloromethane	1060	37	1224	0	86.6	75-125	1035	2.45	30	
Bromoform	932.4	37	1224	0	76.1	59-120	942.2	1.05	30	
Bromomethane	757.3	120	1224	22.65	60	31-169	752.4	0.649	30	
Carbon disulfide	1194	37	1224	0	97.5	60-163	1069	11	30	
Carbon tetrachloride	1093	37	1224	0	89.2	69-123	1036	5.35	30	
Chlorobenzene	1316	37	1224	0	107	79-120	1248	5.25	30	
Chloroethane	783.6	120	1224	0	64	38-132	629.3	21.8	30	
Chloroform	1375	37	1224	0	112	72-122	1301	5.54	30	
Chloromethane	1131	120	1224	0	92.3	24-119	1036	8.7	30	
cis-1,2-Dichloroethene	1436	37	1224	0	117	74-125	1350	6.15	30	
cis-1,3-Dichloropropene	1120	37	1224	0	91.5	62-124	1017	9.62	30	
Dibromochloromethane	874.2	37	1224	0	71.4	57-123	795.8	9.38	30	
Dibromomethane	1236	37	1224	0	101	70-128	1212	1.95	30	
Dichlorodifluoromethane	768.9	120	1224	0	62.8	28-137	751.8	2.25	30	
Diethyl ether	1480	37	1224	0	121	65-159	1369	7.74	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228661** Instrument ID **VMS10** Method: **SW8260D**

Ethylbenzene	1369	37	1224	0	112	75-121	1302	5	30	
Hexachloroethane	895	120	1224	0	73.1	57-134	971.5	8.2	30	
Isopropylbenzene	1369	37	1224	0	112	74-121	1306	4.71	30	
m,p-Xylene	2661	73	2449	0	109	67-129	2555	4.04	30	
Methyl iodide	1292	610	1224	0	106	10-200	1140	12.5	30	
Methyl tert-butyl ether	1450	37	1224	0	118	79-139	1349	7.26	30	
Methylene chloride	1537	310	1224	0	125	62-135	1442	6.33	30	
Naphthalene	1276	120	1224	0	104	53-135	1367	6.9	30	
n-Propylbenzene	1355	37	1224	0	111	65-128	1291	4.81	30	
o-Xylene	1341	37	1224	0	109	75-120	1302	2.97	30	
Styrene	1265	37	1224	0	103	74-126	1240	1.96	30	
Tetrachloroethene	1748	37	1224	0	143	76-128	1472	17.1	30	S
Toluene	1376	37	1224	0	112	76-120	1298	5.86	30	
trans-1,2-Dichloroethene	1511	37	1224	0	123	72-127	1440	4.81	30	
trans-1,3-Dichloropropene	962.4	37	1224	0	78.6	66-120	915.8	4.95	30	
trans-1,4-Dichloro-2-butene	906	37	1224	0	74	56-122	949.5	4.68	30	
Trichloroethene	1273	37	1224	0	104	75-122	1197	6.1	30	
Trichlorofluoromethane	1114	37	1224	0	90.9	51-115	1062	4.78	30	
Vinyl chloride	1227	37	1224	0	100	43-128	1099	11	30	
Xylenes, Total	4001	110	3673	0	109	67-129	3857	3.68	30	
Surr: 1,2-Dichloroethane-d4	*1254*	0	*1224*	0	*102*	*80-120*	1228	*2.07*	*30*	
Surr: 4-Bromofluorobenzene	*1374*	0	*1224*	0	*112*	*80-120*	1294	*6.01*	*30*	
Surr: Dibromofluoromethane	*1216*	0	*1224*	0	*99.3*	*80-120*	1166	*4.27*	*30*	
Surr: Toluene-d8	*1240*	0	*1224*	0	*101*	*80-120*	1202	*3.16*	*30*	

The following samples were analyzed in this batch:

23110289-67B	23110289-68B	23110289-69B
23110289-70B	23110289-71B	23110289-72B
23110289-73B	23110289-74B	23110289-75B
23110289-76B	23110289-77B	23110289-78B
23110289-79B	23110289-80B	23110289-85B
23110289-86B	23110289-87B	23110289-88B
23110289-89B	23110289-90B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228666** Instrument ID **VMS7** Method: **SW8260D**

MBLK Sample ID: **MBLK-228666-228666** Units: **µg/Kg-dry** Analysis Date: **11/7/2023 01:06 PM**
Client ID: Run ID: **VMS7_231107A** SeqNo: **10175676** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	30								
1,1,1-Trichloroethane	ND	30								
1,1,2,2-Tetrachloroethane	ND	30								
1,1,2-Trichloroethane	ND	30								
1,1,2-Trichlorotrifluoroethane	ND	30								
1,1-Dichloroethane	ND	30								
1,1-Dichloroethene	ND	30								
1,2,3-Trichloropropane	ND	30								
1,2,3-Trimethylbenzene	ND	30								
1,2,4-Trichlorobenzene	ND	100								
1,2,4-Trimethylbenzene	ND	30								
1,2-Dibromo-3-chloropropane	ND	100								
1,2-Dibromoethane	ND	30								
1,2-Dichlorobenzene	ND	30								
1,2-Dichloroethane	ND	30								
1,2-Dichloropropane	ND	30								
1,3,5-Trimethylbenzene	ND	100								
1,3-Dichlorobenzene	ND	30								
1,4-Dichlorobenzene	ND	30								
2-Butanone	ND	200								
2-Hexanone	ND	30								
2-Methylnaphthalene	ND	100								
4-Methyl-2-pentanone	ND	30								
Acetone	ND	100								
Acrylonitrile	ND	100								
Benzene	ND	30								
Bromochloromethane	ND	30								
Bromodichloromethane	ND	30								
Bromoform	ND	30								
Bromomethane	ND	100								
Carbon disulfide	ND	30								
Carbon tetrachloride	ND	30								
Chlorobenzene	ND	30								
Chloroethane	ND	100								
Chloroform	ND	30								
Chloromethane	ND	100								
cis-1,2-Dichloroethene	ND	30								
cis-1,3-Dichloropropene	ND	30								
Dibromochloromethane	ND	30								
Dibromomethane	ND	30								
Dichlorodifluoromethane	ND	100								
Diethyl ether	ND	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228666** Instrument ID **VMS7** Method: **SW8260D**

Ethylbenzene	ND	30					
Hexachloroethane	ND	100					
Isopropylbenzene	ND	30					
m,p-Xylene	ND	60					
Methyl iodide	ND	500					
Methyl tert-butyl ether	ND	30					
Methylene chloride	ND	250					
Naphthalene	ND	100					
n-Propylbenzene	ND	30					
o-Xylene	ND	30					
Styrene	ND	30					
Tetrachloroethene	ND	30					
Toluene	ND	30					
trans-1,2-Dichloroethene	ND	30					
trans-1,3-Dichloropropene	ND	30					
trans-1,4-Dichloro-2-butene	ND	30					
Trichloroethene	ND	30					
Trichlorofluoromethane	ND	30					
Vinyl acetate	ND	250					
Vinyl chloride	ND	30					
Xylenes, Total	ND	90					
Surr: 1,2-Dichloroethane-d4	*1044*	0	*1000*	0	*104*	*80-120*	0
Surr: 4-Bromofluorobenzene	*975*	0	*1000*	0	*97.5*	*80-120*	0
Surr: Dibromofluoromethane	*980.5*	0	*1000*	0	*98*	*80-120*	0
Surr: Toluene-d8	*1030*	0	*1000*	0	*103*	*80-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228666** Instrument ID **VMS7** Method: **SW8260D**

LCS	Sample ID: **LCS-228666-228666**				Units: **µg/Kg-dry**		Analysis Date: **11/7/2023 12:14 PM**			
Client ID:	Run ID: **VMS7_231107A**				SeqNo: **10175671**		Prep Date: **11/6/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	937	30	1000	0	93.7	72-120	0			
1,1,1-Trichloroethane	907.5	30	1000	0	90.8	75-121	0			
1,1,2,2-Tetrachloroethane	1033	30	1000	0	103	79-125	0			
1,1,2-Trichloroethane	945	30	1000	0	94.5	80-123	0			
1,1,2-Trichlorotrifluoroethane	935.5	30	1000	0	93.6	62-129	0			
1,1-Dichloroethane	944	30	1000	0	94.4	74-124	0			
1,1-Dichloroethene	953.5	30	1000	0	95.4	68-131	0			
1,2,3-Trichloropropane	1028	30	1000	0	103	77-121	0			
1,2,3-Trimethylbenzene	892	30	1000	0	89.2	76-127	0			
1,2,4-Trichlorobenzene	890.5	100	1000	0	89	63-130	0			
1,2,4-Trimethylbenzene	877.5	30	1000	0	87.8	64-126	0			
1,2-Dibromo-3-chloropropane	1155	100	1000	0	116	55-135	0			
1,2-Dibromoethane	1008	30	1000	0	101	63-155	0			
1,2-Dichlorobenzene	922	30	1000	0	92.2	77-122	0			
1,2-Dichloroethane	962	30	1000	0	96.2	70-130	0			
1,2-Dichloropropane	927.5	30	1000	0	92.8	71-130	0			
1,3,5-Trimethylbenzene	904.5	100	1000	0	90.4	66-130	0			
1,3-Dichlorobenzene	937	30	1000	0	93.7	78-121	0			
1,4-Dichlorobenzene	958.5	30	1000	0	95.8	78-122	0			
2-Butanone	857.5	200	1000	0	85.8	47-164	0			
2-Hexanone	878.5	30	1000	0	87.8	70-137	0			
2-Methylnaphthalene	971	100	1000	0	97.1	50-150	0			
4-Methyl-2-pentanone	1322	30	1000	0	132	57-200	0			
Acetone	962	100	1000	0	96.2	52-190	0			
Acrylonitrile	935.5	100	1000	0	93.6	61-142	0			
Benzene	973	30	1000	0	97.3	78-122	0			
Bromochloromethane	1034	30	1000	0	103	68-130	0			
Bromodichloromethane	949.5	30	1000	0	95	75-125	0			
Bromoform	808	30	1000	0	80.8	59-120	0			
Bromomethane	1127	100	1000	0	113	31-169	0			
Carbon disulfide	987.5	30	1000	0	98.8	60-163	0			
Carbon tetrachloride	839.5	30	1000	0	84	69-123	0			
Chlorobenzene	936	30	1000	0	93.6	79-120	0			
Chloroethane	921	100	1000	0	92.1	38-132	0			
Chloroform	967.5	30	1000	0	96.8	72-122	0			
Chloromethane	950.5	100	1000	0	95	24-119	0			
cis-1,2-Dichloroethene	954	30	1000	0	95.4	74-125	0			
cis-1,3-Dichloropropene	866.5	30	1000	0	86.6	62-124	0			
Dibromochloromethane	847	30	1000	0	84.7	57-123	0			
Dibromomethane	993.5	30	1000	0	99.4	70-128	0			
Dichlorodifluoromethane	725	100	1000	0	72.5	28-137	0			
Diethyl ether	993	30	1000	0	99.3	65-159	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228666** Instrument ID **VMS7** Method: **SW8260D**

Ethylbenzene	923	30	1000	0	92.3	75-121	0
Hexachloroethane	757	100	1000	0	75.7	57-134	0
Isopropylbenzene	896	30	1000	0	89.6	74-121	0
m,p-Xylene	1846	60	2000	0	92.3	67-129	0
Methyl iodide	1789	500	1000	0	179	10-200	0
Methyl tert-butyl ether	948	30	1000	0	94.8	79-139	0
Methylene chloride	969	250	1000	0	96.9	62-135	0
Naphthalene	850	100	1000	0	85	53-135	0
n-Propylbenzene	876	30	1000	0	87.6	65-128	0
o-Xylene	928.5	30	1000	0	92.8	75-120	0
Styrene	1009	30	1000	0	101	74-126	0
Tetrachloroethene	916.5	30	1000	0	91.6	76-128	0
Toluene	943.5	30	1000	0	94.4	76-120	0
trans-1,2-Dichloroethene	973	30	1000	0	97.3	72-127	0
trans-1,3-Dichloropropene	841.5	30	1000	0	84.2	66-120	0
trans-1,4-Dichloro-2-butene	671	30	1000	0	67.1	56-122	0
Trichloroethene	918	30	1000	0	91.8	75-122	0
Trichlorofluoromethane	873.5	30	1000	0	87.4	51-115	0
Vinyl chloride	892	30	1000	0	89.2	43-128	0
Xylenes, Total	2775	90	3000	0	92.5	67-129	0
Surr: 1,2-Dichloroethane-d4	*1006*	0	*1000*	0	*101*	*80-120*	0
Surr: 4-Bromofluorobenzene	*1036*	0	*1000*	0	*104*	*80-120*	0
Surr: Dibromofluoromethane	*1000*	0	*1000*	0	*100*	*80-120*	0
Surr: Toluene-d8	*960.5*	0	*1000*	0	*96*	*80-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228666** Instrument ID **VMS7** Method: **SW8260D**

MS	Sample ID: **23110375-02B MS**				Units: **µg/Kg-dry**			Analysis Date: **11/10/2023 08:25 AM**			
Client ID:		Run ID: **VMS8_231109B**			SeqNo: **10190473**			Prep Date: **11/6/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1045	30	988.1	0	106	72-120	0			
1,1,1-Trichloroethane	1084	30	988.1	0	110	75-121	0			
1,1,2,2-Tetrachloroethane	136.4	30	988.1	0	13.8	79-125	0			S
1,1,2-Trichloroethane	1036	30	988.1	0	105	80-123	0			
1,1,2-Trichlorotrifluoroethane	1034	30	988.1	0	105	62-129	0			
1,1-Dichloroethane	1031	30	988.1	0	104	74-124	0			
1,1-Dichloroethene	1064	30	988.1	0	108	68-131	0			
1,2,3-Trichloropropane	1050	30	988.1	0	106	77-121	0			
1,2,3-Trimethylbenzene	955.5	30	988.1	0	96.7	76-127	0			
1,2,4-Trichlorobenzene	1016	99	988.1	0	103	63-130	0			
1,2,4-Trimethylbenzene	1060	30	988.1	0	107	64-126	0			
1,2-Dibromo-3-chloropropane	910.1	99	988.1	0	92.1	55-135	0			
1,2-Dibromoethane	980.2	30	988.1	0	99.2	63-155	0			
1,2-Dichlorobenzene	978.3	30	988.1	0	99	77-122	0			
1,2-Dichloroethane	1014	30	988.1	0	103	70-130	0			
1,2-Dichloropropane	1056	30	988.1	0	107	71-130	0			
1,3,5-Trimethylbenzene	1087	99	988.1	0	110	66-130	0			
1,3-Dichlorobenzene	1002	30	988.1	0	101	78-121	0			
1,4-Dichlorobenzene	1019	30	988.1	0	103	78-122	0			
2-Butanone	1443	200	988.1	0	146	47-164	0			
2-Hexanone	1320	30	988.1	0	134	70-137	0			
2-Methylnaphthalene	1578	99	988.1	0	160	50-150	0			S
4-Methyl-2-pentanone	1001	30	988.1	0	101	57-200	0			
Acetone	2285	99	988.1	0	231	52-190	0			S
Acrylonitrile	893.3	99	988.1	0	90.4	61-142	0			
Benzene	1089	30	988.1	0	110	78-122	0			
Bromochloromethane	1084	30	988.1	0	110	68-130	0			
Bromodichloromethane	1012	30	988.1	0	102	75-125	0			
Bromoform	829.1	30	988.1	0	83.9	59-120	0			
Bromomethane	960.5	99	988.1	0	97.2	31-169	0			
Carbon disulfide	1022	30	988.1	0	103	60-163	0			
Carbon tetrachloride	1042	30	988.1	0	106	69-123	0			
Chlorobenzene	1071	30	988.1	0	108	79-120	0			
Chloroethane	904.2	99	988.1	0	91.5	38-132	0			
Chloroform	1048	30	988.1	0	106	72-122	0			
Chloromethane	816.2	99	988.1	0	82.6	24-119	0			
cis-1,2-Dichloroethene	1061	30	988.1	0	107	74-125	0			
cis-1,3-Dichloropropene	895.3	30	988.1	0	90.6	62-124	0			
Dibromochloromethane	930.8	30	988.1	0	94.2	57-123	0			
Dibromomethane	1005	30	988.1	0	102	70-128	0			
Dichlorodifluoromethane	791.5	99	988.1	0	80.1	28-137	0			
Diethyl ether	990.6	30	988.1	0	100	65-159	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228666** Instrument ID **VMS7** Method: **SW8260D**

Ethylbenzene	1158	30	988.1	0	117	75-121	0	
Hexachloroethane	811.3	99	988.1	0	82.1	57-134	0	
Isopropylbenzene	1110	30	988.1	0	112	74-121	0	
m,p-Xylene	2313	59	1976	0	117	67-129	0	
Methyl iodide	2002	490	988.1	0	203	10-200	0	S
Methyl tert-butyl ether	1029	30	988.1	0	104	79-139	0	
Methylene chloride	1054	250	988.1	0	107	62-135	0	
Naphthalene	1113	99	988.1	0	113	53-135	0	
n-Propylbenzene	1020	30	988.1	0	103	65-128	0	
o-Xylene	1149	30	988.1	0	116	75-120	0	
Styrene	1068	30	988.1	0	108	74-126	0	
Tetrachloroethene	1981	30	988.1	0	201	76-128	0	S
Toluene	1080	30	988.1	0	109	76-120	0	
trans-1,2-Dichloroethene	1101	30	988.1	0	111	72-127	0	
trans-1,3-Dichloropropene	1042	30	988.1	0	105	66-120	0	
trans-1,4-Dichloro-2-butene	720.4	30	988.1	0	72.9	56-122	0	
Trichloroethene	1740	30	988.1	0	176	75-122	0	S
Trichlorofluoromethane	1050	30	988.1	0	106	51-115	0	
Vinyl chloride	967.9	30	988.1	0	97.9	43-128	0	
Xylenes, Total	3462	89	2964	0	117	67-129	0	
Surr: 1,2-Dichloroethane-d4	*959.5*	0	*988.1*	0	*97.1*	*80-120*	0	
Surr: 4-Bromofluorobenzene	*1012*	0	*988.1*	0	*102*	*80-120*	0	
Surr: Dibromofluoromethane	*980.7*	0	*988.1*	0	*99.3*	*80-120*	0	
Surr: Toluene-d8	*982.7*	0	*988.1*	0	*99.5*	*80-120*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228666** Instrument ID **VMS7** Method: **SW8260D**

MSD	Sample ID: **23110375-02B MSD**				Units: **µg/Kg-dry**			Analysis Date: **11/10/2023 08:45 AM**			
Client ID:		Run ID: **VMS8_231109B**			SeqNo: **10190474**			Prep Date: **11/6/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1073	30	988.1	0	109	72-120	1045	2.66	30	
1,1,1-Trichloroethane	1099	30	988.1	0	111	75-121	1084	1.4	30	
1,1,2,2-Tetrachloroethane	129.9	30	988.1	0	13.2	79-125	136.4	4.82	30	S
1,1,2-Trichloroethane	1093	30	988.1	0	111	80-123	1036	5.38	30	
1,1,2-Trichlorotrifluoroethane	1102	30	988.1	0	112	62-129	1034	6.34	30	
1,1-Dichloroethane	1105	30	988.1	0	112	74-124	1031	6.89	30	
1,1-Dichloroethene	1055	30	988.1	0	107	68-131	1064	0.839	30	
1,2,3-Trichloropropane	1086	30	988.1	0	110	77-121	1050	3.38	30	
1,2,3-Trimethylbenzene	989.6	30	988.1	0	100	76-127	955.5	3.51	30	
1,2,4-Trichlorobenzene	1055	99	988.1	0	107	63-130	1016	3.77	30	
1,2,4-Trimethylbenzene	1127	30	988.1	0	114	64-126	1060	6.15	30	
1,2-Dibromo-3-chloropropane	897.7	99	988.1	0	90.8	55-135	910.1	1.37	30	
1,2-Dibromoethane	1047	30	988.1	0	106	63-155	980.2	6.58	30	
1,2-Dichlorobenzene	985.7	30	988.1	0	99.8	77-122	978.3	0.755	30	
1,2-Dichloroethane	1033	30	988.1	0	105	70-130	1014	1.83	30	
1,2-Dichloropropane	1118	30	988.1	0	113	71-130	1056	5.64	30	
1,3,5-Trimethylbenzene	1169	99	988.1	0	118	66-130	1087	7.27	30	
1,3-Dichlorobenzene	1032	30	988.1	0	104	78-121	1002	2.87	30	
1,4-Dichlorobenzene	1006	30	988.1	0	102	78-122	1019	1.27	30	
2-Butanone	1512	200	988.1	0	153	47-164	1443	4.68	30	
2-Hexanone	1467	30	988.1	0	148	70-137	1320	10.6	30	S
2-Methylnaphthalene	1688	99	988.1	0	171	50-150	1578	6.78	30	S
4-Methyl-2-pentanone	1084	30	988.1	0	110	57-200	1001	7.91	30	
Acetone	2329	99	988.1	0	236	52-190	2285	1.93	30	S
Acrylonitrile	996	99	988.1	0	101	61-142	893.3	10.9	30	
Benzene	1146	30	988.1	0	116	78-122	1089	5.04	30	
Bromochloromethane	1063	30	988.1	0	108	68-130	1084	2.02	30	
Bromodichloromethane	1050	30	988.1	0	106	75-125	1012	3.74	30	
Bromoform	898.7	30	988.1	0	90.9	59-120	829.1	8.06	30	
Bromomethane	1077	99	988.1	0	109	31-169	960.5	11.4	30	
Carbon disulfide	1137	30	988.1	0	115	60-163	1022	10.7	30	
Carbon tetrachloride	1089	30	988.1	0	110	69-123	1042	4.36	30	
Chlorobenzene	1107	30	988.1	0	112	79-120	1071	3.36	30	
Chloroethane	993.1	99	988.1	0	101	38-132	904.2	9.38	30	
Chloroform	1093	30	988.1	0	111	72-122	1048	4.2	30	
Chloromethane	818.7	99	988.1	0	82.9	24-119	816.2	0.302	30	
cis-1,2-Dichloroethene	1100	30	988.1	0	111	74-125	1061	3.61	30	
cis-1,3-Dichloropropene	925.9	30	988.1	0	93.7	62-124	895.3	3.36	30	
Dibromochloromethane	990.6	30	988.1	0	100	57-123	930.8	6.22	30	
Dibromomethane	1046	30	988.1	0	106	70-128	1005	4	30	
Dichlorodifluoromethane	818.2	99	988.1	0	82.8	28-137	791.5	3.31	30	
Diethyl ether	1063	30	988.1	0	108	65-159	990.6	7.07	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228666** Instrument ID **VMS7** Method: **SW8260D**

Ethylbenzene	1228	30	988.1	0	124	75-121	1158	5.88	30	S
Hexachloroethane	847.8	99	988.1	0	85.8	57-134	811.3	4.41	30	
Isopropylbenzene	1180	30	988.1	0	119	74-121	1110	6.13	30	
m,p-Xylene	2473	59	1976	0	125	67-129	2313	6.67	30	
Methyl iodide	2116	490	988.1	0	214	10-200	2002	5.49	30	S
Methyl tert-butyl ether	1111	30	988.1	0	112	79-139	1029	7.67	30	
Methylene chloride	1105	250	988.1	0	112	62-135	1054	4.72	30	
Naphthalene	1154	99	988.1	0	117	53-135	1113	3.62	30	
n-Propylbenzene	1085	30	988.1	0	110	65-128	1020	6.19	30	
o-Xylene	1198	30	988.1	0	121	75-120	1149	4.13	30	S
Styrene	1135	30	988.1	0	115	74-126	1068	6.15	30	
Tetrachloroethene	2127	30	988.1	0	215	76-128	1981	7.12	30	S
Toluene	1157	30	988.1	0	117	76-120	1080	6.85	30	
trans-1,2-Dichloroethene	1175	30	988.1	0	119	72-127	1101	6.51	30	
trans-1,3-Dichloropropene	1084	30	988.1	0	110	66-120	1042	3.9	30	
trans-1,4-Dichloro-2-butene	780.1	30	988.1	0	78.9	56-122	720.4	7.97	30	
Trichloroethene	1786	30	988.1	0	181	75-122	1740	2.61	30	S
Trichlorofluoromethane	1003	30	988.1	0	102	51-115	1050	4.57	30	
Vinyl chloride	1029	30	988.1	0	104	43-128	967.9	6.14	30	
Xylenes, Total	3670	89	2964	0	124	67-129	3462	5.83	30	
Surr: 1,2-Dichloroethane-d4	*968.9*	0	*988.1*	0	*98.1*	*80-120*	959.5	*0.974*	*30*	
Surr: 4-Bromofluorobenzene	*1018*	0	*988.1*	0	*103*	*80-120*	1012	*0.632*	*30*	
Surr: Dibromofluoromethane	*955.5*	0	*988.1*	0	*96.7*	*80-120*	980.7	*2.6*	*30*	
Surr: Toluene-d8	*989.1*	0	*988.1*	0	*100*	*80-120*	982.7	*0.651*	*30*	

The following samples were analyzed in this batch: 23110289-91B 23110289-92B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228905** Instrument ID **VMS9** Method: **SW8260D**

MBLK Sample ID: **MBLK-228905-228905** Units: **µg/L** Analysis Date: **11/9/2023 10:28 PM**
Client ID: Run ID: **VMS9_231109B** SeqNo: **10188575** Prep Date: **11/9/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	ND	20								
1,2-Dichloroethane	ND	20								
2-Butanone	ND	100								
Benzene	ND	50								
Carbon tetrachloride	ND	20								
Chlorobenzene	ND	20								
Chloroform	ND	20								
Tetrachloroethene	ND	20								
Trichloroethene	ND	20								
Vinyl chloride	ND	20								
Surr: 1,2-Dichloroethane-d4	*421*	0	*400*	0	*105*	*80-120*	0			
Surr: 4-Bromofluorobenzene	*347.4*	0	*400*	0	*86.8*	*80-120*	0			
Surr: Dibromofluoromethane	*378.2*	0	*400*	0	*94.6*	*80-120*	0			
Surr: Toluene-d8	*388*	0	*400*	0	*97*	*80-120*	0			

LCS Sample ID: **LCS-228905-228905** Units: **µg/L** Analysis Date: **11/9/2023 09:24 PM**
Client ID: Run ID: **VMS9_231109B** SeqNo: **10188572** Prep Date: **11/9/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	482.6	20	400	0	121	66-131	0			
1,2-Dichloroethane	430	20	400	0	108	78-121	0			
2-Butanone	452.4	100	400	0	113	69-147	0			
Benzene	473.4	50	400	0	118	78-120	0			
Carbon tetrachloride	400.6	20	400	0	100	69-124	0			
Chlorobenzene	433.2	20	400	0	108	80-118	0			
Chloroform	435.2	20	400	0	109	75-119	0			
Tetrachloroethene	438.8	20	400	0	110	80-124	0			
Trichloroethene	444.4	20	400	0	111	75-122	0			
Vinyl chloride	404.2	20	400	0	101	49-122	0			
Surr: 1,2-Dichloroethane-d4	*419.4*	0	*400*	0	*105*	*80-120*	0			
Surr: 4-Bromofluorobenzene	*391.8*	0	*400*	0	*98*	*80-120*	0			
Surr: Dibromofluoromethane	*417.4*	0	*400*	0	*104*	*80-120*	0			
Surr: Toluene-d8	*402.2*	0	*400*	0	*101*	*80-120*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228905** Instrument ID **VMS9** Method: **SW8260D**

MS Sample ID: **23110289-82A MS** Units: **µg/L** Analysis Date: **11/10/2023 04:32 AM**
Client ID: **GP-95 Waste Characterization** Run ID: **VMS9_231109B** SeqNo: **10188598** Prep Date: **11/9/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	491.4	20	400	0	123	66-131	0			
1,2-Dichloroethane	434.2	20	400	0	109	78-121	0			
2-Butanone	522	100	400	74.6	112	69-147	0			
Benzene	480.4	50	400	0	120	78-120	0			S
Carbon tetrachloride	402.4	20	400	0	101	69-124	0			
Chlorobenzene	442.6	20	400	0	111	80-118	0			
Chloroform	448.8	20	400	0	112	75-119	0			
Tetrachloroethene	485	20	400	0	121	80-124	0			
Trichloroethene	434.8	20	400	0	109	75-122	0			
Vinyl chloride	391.2	20	400	0	97.8	49-122	0			
Surr: 1,2-Dichloroethane-d4	*418.8*	0	*400*	0	*105*	*80-120*	0			
Surr: 4-Bromofluorobenzene	*387.2*	0	*400*	0	*96.8*	*80-120*	0			
Surr: Dibromofluoromethane	*425*	0	*400*	0	*106*	*80-120*	0			
Surr: Toluene-d8	*404.8*	0	*400*	0	*101*	*80-120*	0			

MSD Sample ID: **23110289-82A MSD** Units: **µg/L** Analysis Date: **11/10/2023 04:47 AM**
Client ID: **GP-95 Waste Characterization** Run ID: **VMS9_231109B** SeqNo: **10188599** Prep Date: **11/9/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	496	20	400	0	124	66-131	491.4	0.932	30	
1,2-Dichloroethane	424.2	20	400	0	106	78-121	434.2	2.33	30	
2-Butanone	543.2	100	400	74.6	117	69-147	522	3.98	30	
Benzene	472.2	50	400	0	118	78-120	480.4	1.72	30	
Carbon tetrachloride	388.8	20	400	0	97.2	69-124	402.4	3.44	30	
Chlorobenzene	434.4	20	400	0	109	80-118	442.6	1.87	30	
Chloroform	458.8	20	400	0	115	75-119	448.8	2.2	30	
Tetrachloroethene	464.8	20	400	0	116	80-124	485	4.25	30	
Trichloroethene	440	20	400	0	110	75-122	434.8	1.19	30	
Vinyl chloride	401	20	400	0	100	49-122	391.2	2.47	30	
Surr: 1,2-Dichloroethane-d4	*414*	0	*400*	0	*104*	*80-120*	418.8	*1.15*	*30*	
Surr: 4-Bromofluorobenzene	*391.2*	0	*400*	0	*97.8*	*80-120*	387.2	*1.03*	*30*	
Surr: Dibromofluoromethane	*428.2*	0	*400*	0	*107*	*80-120*	425	*0.75*	*30*	
Surr: Toluene-d8	*403*	0	*400*	0	*101*	*80-120*	404.8	*0.446*	*30*	

The following samples were analyzed in this batch: 23110289-81A 23110289-82A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R388934a** Instrument ID **VMS12** Method: **SW8260D**

MBLK Sample ID: **12V-BLKW1-231110-R388934a** Units: **µg/L** Analysis Date: **11/10/2023 08:27 PM**
Client ID: Run ID: **VMS12_231110A** SeqNo: **10194648** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
1,1,2-Trichlorotrifluoroethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2,3-Trichloropropane	ND	1.0								
1,2,3-Trimethylbenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	1.0								
1,2-Dibromoethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,2-Dichloroethane	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
2-Butanone	ND	5.0								
2-Hexanone	ND	5.0								
2-Methylnaphthalene	ND	5.0								
4-Methyl-2-pentanone	ND	1.0								
Acetone	ND	10								
Acrylonitrile	ND	1.0								
Benzene	ND	1.0								
Bromochloromethane	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	1.0								
Carbon disulfide	ND	1.0								
Carbon tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	1.0								
Chloroform	ND	1.0								
Chloromethane	ND	1.0								
cis-1,2-Dichloroethene	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
Diethyl ether	ND	1.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R388934a** Instrument ID **VMS12** Method: **SW8260D**

Ethylbenzene	ND	1.0					
Hexachloroethane	ND	1.0					
Isopropylbenzene	ND	1.0					
m,p-Xylene	ND	2.0					
Methyl iodide	ND	5.0					
Methyl tert-butyl ether	ND	1.0					
Methylene chloride	ND	5.0					
Naphthalene	ND	5.0					
n-Propylbenzene	ND	1.0					
o-Xylene	ND	1.0					
Styrene	ND	1.0					
Tetrachloroethene	ND	1.0					
Toluene	ND	1.0					
trans-1,2-Dichloroethene	ND	1.0					
trans-1,3-Dichloropropene	ND	1.0					
trans-1,4-Dichloro-2-butene	ND	2.0					
Trichloroethene	ND	1.0					
Trichlorofluoromethane	ND	1.0					
Vinyl acetate	ND	5.0					
Vinyl chloride	ND	1.0					
Xylenes, Total	ND	3.0					
Surr: 1,2-Dichloroethane-d4	*19.38*	0	*20*	0	*96.9*	*80-120*	0
Surr: 4-Bromofluorobenzene	*20.31*	0	*20*	0	*102*	*80-120*	0
Surr: Dibromofluoromethane	*18.52*	0	*20*	0	*92.6*	*80-120*	0
Surr: Toluene-d8	*20.06*	0	*20*	0	*100*	*80-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **R388934a** Instrument ID **VMS12** Method: **SW8260D**

LCS	Sample ID: **12V-LCSW1-231110-R388934a**				Units: **µg/L**			Analysis Date: **11/10/2023 07:15 PM**		
Client ID:	Run ID: **VMS12_231110A**				SeqNo: **10194646**		Prep Date:		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	17.73	1.0	20	0	88.6	72-119	0			
1,1,1-Trichloroethane	18.56	1.0	20	0	92.8	75-119	0			
1,1,2,2-Tetrachloroethane	18.66	1.0	20	0	93.3	80-123	0			
1,1,2-Trichloroethane	17.7	1.0	20	0	88.5	83-118	0			
1,1,2-Trichlorotrifluoroethane	16.9	1.0	20	0	84.5	64-133	0			
1,1-Dichloroethane	19.47	1.0	20	0	97.4	73-122	0			
1,1-Dichloroethene	19.17	1.0	20	0	95.8	66-131	0			
1,2,3-Trichloropropane	18.7	1.0	20	0	93.5	78-119	0			
1,2,3-Trimethylbenzene	18.43	1.0	20	0	92.2	78-121	0			
1,2,4-Trichlorobenzene	21.75	1.0	20	0	109	73-127	0			
1,2,4-Trimethylbenzene	19.64	1.0	20	0	98.2	74-118	0			
1,2-Dibromo-3-chloropropane	17	1.0	20	0	85	52-141	0			
1,2-Dibromoethane	19.13	1.0	20	0	95.6	60-159	0			
1,2-Dichlorobenzene	18.79	1.0	20	0	94	80-119	0			
1,2-Dichloroethane	18.11	1.0	20	0	90.6	78-121	0			
1,2-Dichloropropane	17.92	1.0	20	0	89.6	78-120	0			
1,3,5-Trimethylbenzene	19.59	1.0	20	0	98	76-120	0			
1,3-Dichlorobenzene	18.89	1.0	20	0	94.4	80-120	0			
1,4-Dichlorobenzene	18.98	1.0	20	0	94.9	81-119	0			
2-Butanone	17.87	5.0	20	0	89.4	69-147	0			
2-Hexanone	18.03	5.0	20	0	90.2	67-140	0			
2-Methylnaphthalene	23.75	5.0	20	0	119	50-150	0			
4-Methyl-2-pentanone	24.37	1.0	20	0	122	68-199	0			
Acetone	19.13	10	20	0	95.6	70-166	0			
Acrylonitrile	16.78	1.0	20	0	83.9	70-133	0			
Benzene	19.12	1.0	20	0	95.6	78-120	0			
Bromochloromethane	18.67	1.0	20	0	93.4	70-125	0			
Bromodichloromethane	17.68	1.0	20	0	88.4	73-126	0			
Bromoform	14.99	1.0	20	0	75	60-124	0			
Bromomethane	22.49	1.0	20	0	112	20-183	0			
Carbon disulfide	19.65	1.0	20	0	98.2	67-159	0			
Carbon tetrachloride	18.84	1.0	20	0	94.2	69-124	0			
Chlorobenzene	18.72	1.0	20	0	93.6	80-118	0			
Chloroethane	17.18	1.0	20	0	85.9	35-136	0			
Chloroform	18.65	1.0	20	0	93.2	75-119	0			
Chloromethane	16.88	1.0	20	0	84.4	26-117	0			
cis-1,2-Dichloroethene	19.15	1.0	20	0	95.8	75-123	0			
cis-1,3-Dichloropropene	16.29	1.0	20	0	81.4	69-120	0			
Dibromochloromethane	16.23	1.0	20	0	81.2	63-117	0			
Dibromomethane	17.65	1.0	20	0	88.2	78-120	0			
Dichlorodifluoromethane	12.85	1.0	20	0	64.2	36-133	0			
Diethyl ether	17.56	1.0	20	0	87.8	57-163	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R388934a** Instrument ID **VMS12** Method: **SW8260D**

Ethylbenzene	19.01	1.0	20	0	95	76-116	0
Hexachloroethane	18.25	1.0	20	0	91.2	60-130	0
Isopropylbenzene	19.59	1.0	20	0	98	77-118	0
m,p-Xylene	39.33	2.0	40	0	98.3	76-119	0
Methyl iodide	19.4	5.0	20	0	97	10-200	0
Methyl tert-butyl ether	17.67	1.0	20	0	88.4	77-137	0
Methylene chloride	18.66	5.0	20	0	93.3	68-125	0
Naphthalene	21.22	5.0	20	0	106	56-142	0
n-Propylbenzene	19.31	1.0	20	0	96.6	74-118	0
o-Xylene	19.4	1.0	20	0	97	77-116	0
Styrene	18.56	1.0	20	0	92.8	76-123	0
Tetrachloroethene	18.65	1.0	20	0	93.2	80-124	0
Toluene	19.25	1.0	20	0	96.2	78-116	0
trans-1,2-Dichloroethene	19.05	1.0	20	0	95.2	73-124	0
trans-1,3-Dichloropropene	16.32	1.0	20	0	81.6	67-118	0
trans-1,4-Dichloro-2-butene	13.16	2.0	20	0	65.8	58-118	0
Trichloroethene	18.07	1.0	20	0	90.4	75-122	0
Trichlorofluoromethane	18	1.0	20	0	90	52-115	0
Vinyl chloride	17.05	1.0	20	0	85.2	49-122	0
Xylenes, Total	58.73	3.0	60	0	97.9	77-119	0
Surr: 1,2-Dichloroethane-d4	*19.26*	0	*20*	0	*96.3*	*80-120*	0
Surr: 4-Bromofluorobenzene	*21*	0	*20*	0	*105*	*80-120*	0
Surr: Dibromofluoromethane	*19.91*	0	*20*	0	*99.6*	*80-120*	0
Surr: Toluene-d8	*19.78*	0	*20*	0	*98.9*	*80-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **R388934a** Instrument ID **VMS12** Method: **SW8260D**

MS Sample ID: **23110467-02E MS** Units: **µg/L** Analysis Date: **11/11/2023 05:29 AM**

Client ID: Run ID: **VMS12_231110A** SeqNo: **10194670** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	19.19	1.0	20	0	96	72-119	0			
1,1,1-Trichloroethane	22.68	1.0	20	0	113	75-119	0			
1,1,2,2-Tetrachloroethane	20.93	1.0	20	0	105	80-123	0			
1,1,2-Trichloroethane	19.89	1.0	20	0	99.4	83-118	0			
1,1,2-Trichlorotrifluoroethane	22.06	1.0	20	0	110	64-133	0			
1,1-Dichloroethane	24.19	1.0	20	0	121	73-122	0			
1,1-Dichloroethene	25.29	1.0	20	0	126	66-131	0			
1,2,3-Trichloropropane	21.12	1.0	20	0	106	78-119	0			
1,2,3-Trimethylbenzene	20.21	1.0	20	0	101	78-121	0			
1,2,4-Trichlorobenzene	20.56	1.0	20	0	103	73-127	0			
1,2,4-Trimethylbenzene	22.28	1.0	20	0	111	74-118	0			
1,2-Dibromo-3-chloropropane	18.32	1.0	20	0	91.6	52-141	0			
1,2-Dibromoethane	21.11	1.0	20	0	106	60-159	0			
1,2-Dichlorobenzene	20.11	1.0	20	0	101	80-119	0			
1,2-Dichloroethane	21.85	1.0	20	0	109	78-121	0			
1,2-Dichloropropane	21.95	1.0	20	0	110	78-120	0			
1,3,5-Trimethylbenzene	22.17	1.0	20	0	111	76-120	0			
1,3-Dichlorobenzene	19.8	1.0	20	0	99	80-120	0			
1,4-Dichlorobenzene	20.05	1.0	20	0	100	81-119	0			
2-Butanone	20.91	5.0	20	2.75	90.8	69-147	0			
2-Hexanone	21.64	5.0	20	0	108	67-140	0			
2-Methylnaphthalene	23.29	5.0	20	0	116	50-150	0			
4-Methyl-2-pentanone	28.97	1.0	20	0	145	68-199	0			
Acetone	24.44	10	20	0.32	121	70-166	0			
Acrylonitrile	19.98	1.0	20	0.42	97.8	70-133	0			
Benzene	23.28	1.0	20	0	116	78-120	0			
Bromochloromethane	21.67	1.0	20	0	108	70-125	0			
Bromodichloromethane	20.89	1.0	20	0	104	73-126	0			
Bromoform	15.61	1.0	20	0	78	60-124	0			
Bromomethane	14.76	1.0	20	0	73.8	20-183	0			
Carbon disulfide	24.48	1.0	20	0	122	67-159	0			
Carbon tetrachloride	22.16	1.0	20	0	111	69-124	0			
Chlorobenzene	21.03	1.0	20	0	105	80-118	0			
Chloroethane	22.19	1.0	20	0	111	35-136	0			
Chloroform	22.23	1.0	20	0	111	75-119	0			
Chloromethane	18.42	1.0	20	0	92.1	26-117	0			
cis-1,2-Dichloroethene	23.47	1.0	20	0	117	75-123	0			
cis-1,3-Dichloropropene	17.97	1.0	20	0	89.8	69-120	0			
Dibromochloromethane	17.42	1.0	20	0	87.1	63-117	0			
Dibromomethane	21.04	1.0	20	0	105	78-120	0			
Dichlorodifluoromethane	11.16	1.0	20	0	55.8	36-133	0			
Diethyl ether	21.8	1.0	20	0	109	57-163	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R388934a** Instrument ID **VMS12** Method: **SW8260D**

Ethylbenzene	22.68	1.0	20	0	113	76-116	0
Hexachloroethane	18.11	1.0	20	0	90.6	60-130	0
Isopropylbenzene	22.79	1.0	20	0	114	77-118	0
m,p-Xylene	45.42	2.0	40	0	114	76-119	0
Methyl iodide	15.81	5.0	20	0.3	77.6	10-200	0
Methyl tert-butyl ether	21.61	1.0	20	0	108	77-137	0
Methylene chloride	23.93	5.0	20	0	120	68-125	0
Naphthalene	22.23	5.0	20	0	111	56-142	0
n-Propylbenzene	22.24	1.0	20	0	111	74-118	0
o-Xylene	22.73	1.0	20	0	114	77-116	0
Styrene	21.51	1.0	20	0	108	76-123	0
Tetrachloroethene	21.51	1.0	20	0	108	80-124	0
Toluene	22.55	1.0	20	0	113	78-116	0
trans-1,2-Dichloroethene	23.76	1.0	20	0	119	73-124	0
trans-1,3-Dichloropropene	17.88	1.0	20	0	89.4	67-118	0
trans-1,4-Dichloro-2-butene	13.14	2.0	20	0	65.7	58-118	0
Trichloroethene	20.37	1.0	20	0	102	75-122	0
Trichlorofluoromethane	21.83	1.0	20	0	109	52-115	0
Vinyl chloride	19.36	1.0	20	0	96.8	49-122	0
Xylenes, Total	68.15	3.0	60	0	114	77-119	0
Surr: 1,2-Dichloroethane-d4	*21.74*	0	*20*	0	*109*	*80-120*	0
Surr: 4-Bromofluorobenzene	*21.39*	0	*20*	0	*107*	*80-120*	0
Surr: Dibromofluoromethane	*20.46*	0	*20*	0	*102*	*80-120*	0
Surr: Toluene-d8	*19.96*	0	*20*	0	*99.8*	*80-120*	0

Batch ID: **R388934a** Instrument ID **VMS12** Method: **SW8260D**

DUP Sample ID: **23110497-01E DUP** Units: **µg/L** Analysis Date: **11/11/2023 05:05 AM**

Client ID: Run ID: **VMS12_231110A** SeqNo: **10194669** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	1.0	0	0	0		0			
1,1,1-Trichloroethane	ND	1.0	0	0	0		0			
1,1,2,2-Tetrachloroethane	ND	1.0	0	0	0		0			
1,1,2-Trichloroethane	ND	1.0	0	0	0		0			
1,1,2-Trichlorotrifluoroethane	ND	1.0	0	0	0		0			
1,1-Dichloroethane	ND	1.0	0	0	0		0			
1,1-Dichloroethene	ND	1.0	0	0	0		0			
1,2,3-Trichloropropane	ND	1.0	0	0	0		0			
1,2,3-Trimethylbenzene	ND	1.0	0	0	0		0			
1,2,4-Trichlorobenzene	ND	1.0	0	0	0		0			
1,2,4-Trimethylbenzene	ND	1.0	0	0	0		0			
1,2-Dibromo-3-chloropropane	ND	1.0	0	0	0		0			
1,2-Dibromoethane	ND	1.0	0	0	0		0			
1,2-Dichlorobenzene	ND	1.0	0	0	0		0			
1,2-Dichloroethane	ND	1.0	0	0	0		0			
1,2-Dichloropropane	ND	1.0	0	0	0		0			
1,3,5-Trimethylbenzene	ND	1.0	0	0	0		0			
1,3-Dichlorobenzene	ND	1.0	0	0	0		0			
1,4-Dichlorobenzene	ND	1.0	0	0	0		0			
2-Butanone	2.69	5.0	0	0	0		0			J
2-Hexanone	ND	5.0	0	0	0		0			
2-Methylnaphthalene	ND	5.0	0	0	0		0			
4-Methyl-2-pentanone	ND	1.0	0	0	0		0			
Acetone	ND	10	0	0	0		0			
Acrylonitrile	ND	1.0	0	0	0		0			
Benzene	ND	1.0	0	0	0		0			
Bromochloromethane	ND	1.0	0	0	0		0			
Bromodichloromethane	ND	1.0	0	0	0		0			
Bromoform	ND	1.0	0	0	0		0			
Bromomethane	ND	1.0	0	0	0		0			
Carbon disulfide	ND	1.0	0	0	0		0			
Carbon tetrachloride	ND	1.0	0	0	0		0			
Chlorobenzene	ND	1.0	0	0	0		0			
Chloroethane	2.31	1.0	0	0	0		0			
Chloroform	ND	1.0	0	0	0		0			
Chloromethane	ND	1.0	0	0	0		0			
cis-1,2-Dichloroethene	ND	1.0	0	0	0		0			
cis-1,3-Dichloropropene	ND	1.0	0	0	0		0			
Dibromochloromethane	ND	1.0	0	0	0		0			
Dibromomethane	ND	1.0	0	0	0		0			
Dichlorodifluoromethane	ND	1.0	0	0	0		0			
Diethyl ether	ND	1.0	0	0	0		0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R388934a** Instrument ID **VMS12** Method: **SW8260D**

Ethylbenzene	ND	1.0	0	0	0		0
Hexachloroethane	ND	1.0	0	0	0		0
Isopropylbenzene	ND	1.0	0	0	0		0
m,p-Xylene	ND	2.0	0	0	0		0
Methyl iodide	ND	5.0	0	0	0		0
Methyl tert-butyl ether	ND	1.0	0	0	0		0
Methylene chloride	ND	5.0	0	0	0		0
Naphthalene	ND	5.0	0	0	0		0
n-Propylbenzene	ND	1.0	0	0	0		0
o-Xylene	ND	1.0	0	0	0		0
Styrene	ND	1.0	0	0	0		0
Tetrachloroethene	ND	1.0	0	0	0		0
Toluene	ND	1.0	0	0	0		0
trans-1,2-Dichloroethene	ND	1.0	0	0	0		0
trans-1,3-Dichloropropene	ND	1.0	0	0	0		0
trans-1,4-Dichloro-2-butene	ND	2.0	0	0	0		0
Trichloroethene	ND	1.0	0	0	0		0
Trichlorofluoromethane	ND	1.0	0	0	0		0
Vinyl acetate	ND	5.0	0	0	0		0
Vinyl chloride	ND	1.0	0	0	0		0
Xylenes, Total	ND	3.0	0	0	0		0
Surr: 1,2-Dichloroethane-d4	*19.59*	0	*20*	0	*98*	*80-120*	0
Surr: 4-Bromofluorobenzene	*20.18*	0	*20*	0	*101*	*80-120*	0
Surr: Dibromofluoromethane	*18.12*	0	*20*	0	*90.6*	*80-120*	0
Surr: Toluene-d8	*20.59*	0	*20*	0	*103*	*80-120*	0

The following samples were analyzed in this batch: 23110289-83A 23110289-84A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228598** Instrument ID **LDO** Method: **A5210B-16**

MBLK Sample ID: **MBLK-228598-228598** Units: **mg/L** Analysis Date: **11/8/2023 10:11 AM**
Client ID: Run ID: **LDO_231108A** SeqNo: **10181797** Prep Date: **11/3/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Biochemical Oxygen Demand	ND	3.0								

LCS Sample ID: **LCS-228598-228598** Units: **mg/L** Analysis Date: **11/8/2023 10:11 AM**
Client ID: Run ID: **LDO_231108A** SeqNo: **10181796** Prep Date: **11/3/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Biochemical Oxygen Demand	165.8	3.0	198	0	83.7	85-115	0			S

DUP Sample ID: **23110233-01A DUP** Units: **mg/L** Analysis Date: **11/8/2023 10:11 AM**
Client ID: Run ID: **LDO_231108A** SeqNo: **10181782** Prep Date: **11/3/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Biochemical Oxygen Demand	3.006	3.0	0	0	0	0-0	2.921	2.87	20	

DUP Sample ID: **23110353-01A DUP** Units: **mg/L** Analysis Date: **11/8/2023 10:11 AM**
Client ID: Run ID: **LDO_231108A** SeqNo: **10181788** Prep Date: **11/3/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Biochemical Oxygen Demand	305.1	3.0	0	0	0	0-0	281.6	8.01	20	

The following samples were analyzed in this batch: 23110289-83E 23110289-84E

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228657** Instrument ID **WETCHEM** Method: **SW9045D**

LCS Sample ID: **LCS-228657-228657** Units: **s.u.** Analysis Date: **11/7/2023 09:35 AM**
Client ID: Run ID: **WETCHEM_231107E** SeqNo: **10173548** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	3.95	0.10	4	0	98.8	90-110	0			

DUP Sample ID: **23110218-01A dup** Units: **s.u.** Analysis Date: **11/7/2023 09:35 AM**
Client ID: Run ID: **WETCHEM_231107E** SeqNo: **10173552** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	7.58	0.10	0	0	0	0-0	7.61	0.395	20	
Temperature	19.3	0.10	0	0	0		21.5	10.8		

DUP Sample ID: **23110227-01A dup** Units: **s.u.** Analysis Date: **11/7/2023 09:35 AM**
Client ID: Run ID: **WETCHEM_231107E** SeqNo: **10173554** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	7.83	0.10	0	0	0	0-0	7.85	0.255	20	
Temperature	19.3	0.10	0	0	0		19.3	0		

The following samples were analyzed in this batch: 23110289-81A 23110289-82A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228694** Instrument ID **LACHAT2** Method: **A4500-NH3 G-11**

MBLK Sample ID: **MBLK-228694-228694** Units: **mg/L** Analysis Date: **11/7/2023 10:51 AM**
Client ID: Run ID: **LACHAT2_231107A** SeqNo: **10172931** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen, Total Kjeldahl	ND	1.0								

LCS Sample ID: **LCS-228694-228694** Units: **mg/L** Analysis Date: **11/7/2023 10:52 AM**
Client ID: Run ID: **LACHAT2_231107A** SeqNo: **10172932** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen, Total Kjeldahl	10.84	1.0	10	0	108	76-132	0			

LCS Sample ID: **LCS2-228694-228694** Units: **mg/L** Analysis Date: **11/7/2023 10:53 AM**
Client ID: Run ID: **LACHAT2_231107A** SeqNo: **10172933** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen, Total Kjeldahl	10.28	1.0	10	0	103	76-132	0			

MS Sample ID: **23110017-01C MS** Units: **mg/L** Analysis Date: **11/7/2023 10:59 AM**
Client ID: Run ID: **LACHAT2_231107A** SeqNo: **10172938** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen, Total Kjeldahl	11.12	1.0	10	0.494	106	68-130	0			

MS Sample ID: **23110350-01A MS** Units: **mg/L** Analysis Date: **11/7/2023 11:53 AM**
Client ID: Run ID: **LACHAT2_231107A** SeqNo: **10172982** Prep Date: **11/6/2023** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen, Total Kjeldahl	100.2	10	10	108.5	-83	68-130	0			SO

MSD Sample ID: **23110017-01C MSD** Units: **mg/L** Analysis Date: **11/7/2023 11:01 AM**
Client ID: Run ID: **LACHAT2_231107A** SeqNo: **10172939** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen, Total Kjeldahl	11.57	1.0	10	0.494	111	68-130	11.12	3.97	15	

MSD Sample ID: **23110350-01A MSD** Units: **mg/L** Analysis Date: **11/7/2023 11:54 AM**
Client ID: Run ID: **LACHAT2_231107A** SeqNo: **10172983** Prep Date: **11/6/2023** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen, Total Kjeldahl	106.1	10	10	108.5	-24	68-130	100.2	5.72	15	SO

The following samples were analyzed in this batch: 23110289-83I 23110289-84I

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228869** Instrument ID **O&G** Method: **E1664A**

MBLK Sample ID: **MBLK-228869-228869** Units: **mg/L** Analysis Date: **11/8/2023 10:00 AM**
Client ID: Run ID: **O&G_231108A** SeqNo: **10185001** Prep Date: **11/8/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Oil and Grease	ND	1.2								

LCS Sample ID: **LCS-228869-228869** Units: **mg/L** Analysis Date: **11/8/2023 10:00 AM**
Client ID: Run ID: **O&G_231108A** SeqNo: **10185000** Prep Date: **11/8/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Oil and Grease	37.6	1.2	40	0	94	78-114	0			

MS Sample ID: **23110233-02A MS** Units: **mg/L** Analysis Date: **11/8/2023 10:00 AM**
Client ID: Run ID: **O&G_231108A** SeqNo: **10184982** Prep Date: **11/8/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Oil and Grease	153.7	4.9	156.9	0	98	78-114	0			

DUP Sample ID: **23110249-02A DUP** Units: **mg/L** Analysis Date: **11/8/2023 10:00 AM**
Client ID: Run ID: **O&G_231108A** SeqNo: **10184984** Prep Date: **11/8/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Oil and Grease	5.385	4.8	0	0	0	0-0	3.6	39.7	18	R

The following samples were analyzed in this batch: 23110289-83K 23110289-84K

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **228927** Instrument ID **TSS** Method: **A2540 D-15**

MBLK Sample ID: **MBLK-228927-228927** Units: **mg/L** Analysis Date: **11/10/2023 03:09 PM**
Client ID: Run ID: **TSS_231110A** SeqNo: **10191061** Prep Date: **11/9/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Suspended Solids	ND	0.60								

LCS Sample ID: **LCS-228927-228927** Units: **mg/L** Analysis Date: **11/10/2023 03:09 PM**
Client ID: Run ID: **TSS_231110A** SeqNo: **10191060** Prep Date: **11/9/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Suspended Solids	102	6.0	100	0	102	75-111	0			

DUP Sample ID: **23110289-83C DUP** Units: **mg/L** Analysis Date: **11/10/2023 03:09 PM**
Client ID: **GP-94** Run ID: **TSS_231110A** SeqNo: **10191048** Prep Date: **11/9/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Suspended Solids	66.44	1.3	0	0	0	0-0	62	6.92	10	

DUP Sample ID: **23110310-01C DUP** Units: **mg/L** Analysis Date: **11/10/2023 03:09 PM**
Client ID: Run ID: **TSS_231110A** SeqNo: **10191051** Prep Date: **11/9/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Suspended Solids	750	12	0	0	0	0-0	686	8.91	10	

The following samples were analyzed in this batch: 23110289-83C 23110289-84C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **R388316** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **WBLKS-R388316** Units: **% of sample** Analysis Date: **11/3/2023 03:15 PM**
Client ID: Run ID: **MOIST_231103A** SeqNo: **10167205** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.10								

LCS Sample ID: **LCS-R388316** Units: **% of sample** Analysis Date: **11/3/2023 03:15 PM**
Client ID: Run ID: **MOIST_231103A** SeqNo: **10167204** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.10	100	0	100	98-102	0			

DUP Sample ID: **23110289-09C DUP** Units: **% of sample** Analysis Date: **11/3/2023 03:15 PM**
Client ID: **GP-75@3'** Run ID: **MOIST_231103A** SeqNo: **10167191** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	3	0.10	0	0	0	0-0	2.76	8.33	10	

DUP Sample ID: **23110305-01A DUP** Units: **% of sample** Analysis Date: **11/3/2023 03:15 PM**
Client ID: Run ID: **MOIST_231103A** SeqNo: **10167202** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	26.42	0.10	0	0	0	0-0	26.65	0.867	10	

The following samples were analyzed in this batch:

23110289-01A	23110289-02A	23110289-03A
23110289-04A	23110289-05A	23110289-06A
23110289-07A	23110289-08A	23110289-09C
23110289-10C	23110289-11C	23110289-12C
23110289-13C	23110289-14C	23110289-15C
23110289-16C	23110289-17A	23110289-18A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **R388317** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **WBLKS-R388317** Units: **% of sample** Analysis Date: **11/3/2023 03:32 PM**
Client ID: Run ID: **MOIST_231103B** SeqNo: **10167229** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.10								

LCS Sample ID: **LCS-R388317** Units: **% of sample** Analysis Date: **11/3/2023 03:32 PM**
Client ID: Run ID: **MOIST_231103B** SeqNo: **10167228** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.10	100	0	100	98-102	0			

DUP Sample ID: **23110289-19A DUP** Units: **% of sample** Analysis Date: **11/3/2023 03:32 PM**
Client ID: **GP-89@7'** Run ID: **MOIST_231103B** SeqNo: **10167207** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	3.44	0.10	0	0	0	0-0	3.73	8.09	10	

DUP Sample ID: **23110289-29A DUP** Units: **% of sample** Analysis Date: **11/3/2023 03:32 PM**
Client ID: **GP-90@10'** Run ID: **MOIST_231103B** SeqNo: **10167218** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	3.96	0.10	0	0	0	0-0	4	1.01	10	

The following samples were analyzed in this batch:

23110289-19A	23110289-20A	23110289-21A
23110289-22A	23110289-23A	23110289-24A
23110289-25A	23110289-26A	23110289-27A
23110289-28A	23110289-29A	23110289-30A
23110289-31A	23110289-32A	23110289-33A
23110289-34A	23110289-35A	23110289-36A
23110289-37A	23110289-38A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **R388319** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **WBLKS-R388319** Units: **% of sample** Analysis Date: **11/3/2023 04:10 PM**
Client ID: Run ID: **MOIST_231103C** SeqNo: **10167253** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.10								

LCS Sample ID: **LCS-R388319** Units: **% of sample** Analysis Date: **11/3/2023 04:10 PM**
Client ID: Run ID: **MOIST_231103C** SeqNo: **10167252** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.10	100	0	100	98-102	0			

DUP Sample ID: **23110289-39A DUP** Units: **% of sample** Analysis Date: **11/3/2023 04:10 PM**
Client ID: **GP-91@14'** Run ID: **MOIST_231103C** SeqNo: **10167234** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	4.19	0.10	0	0	0	0-0	4.25	1.42	10	

DUP Sample ID: **23110289-49A DUP** Units: **% of sample** Analysis Date: **11/3/2023 04:10 PM**
Client ID: **GP-93@2'** Run ID: **MOIST_231103C** SeqNo: **10167245** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	2.21	0.10	0	0	0	0-0	2.16	2.29	10	

The following samples were analyzed in this batch:

23110289-39A	23110289-40A	23110289-41A
23110289-42A	23110289-43A	23110289-44A
23110289-45A	23110289-46A	23110289-47A
23110289-48A	23110289-49A	23110289-50A
23110289-51A	23110289-52A	23110289-53A
23110289-54A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **R388344** Instrument ID **WETCHEM** Method: **SW1010B**

LCS	Sample ID: **LCS-R388344-R388344**				Units: **°F**			Analysis Date: **11/6/2023 09:00 AM**			
Client ID:	Run ID: **WETCHEM_231106A**				SeqNo: **10168969**		Prep Date:		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Flashpoint/Ignitability	82	50	81	0	101	97-103	0			

LCS	Sample ID: **LCS-R388344-R388344**				Units: **°F**			Analysis Date: **11/6/2023 09:00 AM**			
Client ID:	Run ID: **WETCHEM_231106A**				SeqNo: **10168974**		Prep Date:		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Flashpoint/Ignitability	82	50	81	0	101	97-103	0			

DUP	Sample ID: **23110278-01A DUP**				Units: **°F**			Analysis Date: **11/6/2023 09:00 AM**			
Client ID:	Run ID: **WETCHEM_231106A**				SeqNo: **10168971**		Prep Date:		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Flashpoint/Ignitability	ND	50	0	0	0	0-0	0	0	10	

The following samples were analyzed in this batch: 23110289-81A 23110289-82A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **R388435** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **WBLKS-R388435** Units: **% of sample** Analysis Date: **11/6/2023 01:05 PM**
Client ID: Run ID: **MOIST_231106C** SeqNo: **10173154** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.10								

LCS Sample ID: **LCS-R388435** Units: **% of sample** Analysis Date: **11/6/2023 01:05 PM**
Client ID: Run ID: **MOIST_231106C** SeqNo: **10173153** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.10	100	0	100	98-102	0			

DUP Sample ID: **23110266-02A DUP** Units: **% of sample** Analysis Date: **11/6/2023 01:05 PM**
Client ID: Run ID: **MOIST_231106C** SeqNo: **10173123** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	15.26	0.10	0	0	0	0-0	14.77	3.26	10	

DUP Sample ID: **23110289-61A DUP** Units: **% of sample** Analysis Date: **11/6/2023 01:05 PM**
Client ID: **GP-94@11'** Run ID: **MOIST_231106C** SeqNo: **10173144** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	6.79	0.10	0	0	0	0-0	6.91	1.75	10	

The following samples were analyzed in this batch:

23110289-55A	23110289-56A	23110289-57A
23110289-58A	23110289-59A	23110289-60A
23110289-61A	23110289-62A	23110289-63A
23110289-64A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **R388437** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **WBLKS-R388437** Units: **% of sample** Analysis Date: **11/6/2023 03:26 PM**
Client ID: Run ID: **MOIST_231106D** SeqNo: **10173231** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.10								

LCS Sample ID: **LCS-R388437** Units: **% of sample** Analysis Date: **11/6/2023 03:26 PM**
Client ID: Run ID: **MOIST_231106D** SeqNo: **10173230** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.10	100	0	100	98-102	0			

DUP Sample ID: **23110289-65A DUP** Units: **% of sample** Analysis Date: **11/6/2023 03:26 PM**
Client ID: **GP-95@2'** Run ID: **MOIST_231106D** SeqNo: **10173203** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	2.74	0.10	0	0	0	0-0	2.77	1.09	10	

DUP Sample ID: **23110289-75A DUP** Units: **% of sample** Analysis Date: **11/6/2023 03:26 PM**
Client ID: **GP-97@7'** Run ID: **MOIST_231106D** SeqNo: **10173219** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	5.59	0.10	0	0	0	0-0	5.78	3.34	10	

The following samples were analyzed in this batch:

23110289-65A	23110289-66A	23110289-67A
23110289-68A	23110289-69A	23110289-70A
23110289-71A	23110289-72A	23110289-73A
23110289-74A	23110289-75A	23110289-76A
23110289-77A	23110289-78A	23110289-79A
23110289-80A	23110289-85A	23110289-86A
23110289-87A	23110289-88A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **R388438** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **WBLKS-R388438** Units: **% of sample** Analysis Date: **11/6/2023 03:49 PM**
Client ID: Run ID: **MOIST_231106E** SeqNo: **10173255** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.10								

LCS Sample ID: **LCS-R388438** Units: **% of sample** Analysis Date: **11/6/2023 03:49 PM**
Client ID: Run ID: **MOIST_231106E** SeqNo: **10173254** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	99.99	0.10	100	0	100	98-102	0			

DUP Sample ID: **23110289-89A DUP** Units: **% of sample** Analysis Date: **11/6/2023 03:49 PM**
Client ID: **GP-96@11'** Run ID: **MOIST_231106E** SeqNo: **10173233** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	5.29	0.10	0	0	0	0-0	5.3	0.189	10	

DUP Sample ID: **23110332-07A DUP** Units: **% of sample** Analysis Date: **11/6/2023 03:49 PM**
Client ID: Run ID: **MOIST_231106E** SeqNo: **10173244** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	1.04	0.10	0	0	0	0-0	1.11	6.51	10	

The following samples were analyzed in this batch:

23110289-89A	23110289-90A	23110289-91A
23110289-92A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **R388465B** Instrument ID **Titrator 1** Method: **E150.1**

LCS	Sample ID: **LCS-R388465-R388465B**				Units: **s.u.**			Analysis Date: **11/7/2023 11:39 AM**		
Client ID:	Run ID: **TITRATOR 1_231107A**			SeqNo: **10173638**	Prep Date:		DF: **1**			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH (laboratory)	4.03	0.10	4	0	101	92-108	0			

The following samples were analyzed in this batch: 23110289-83D 23110289-84D

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **R388476a** Instrument ID **SKALAR1** Method: **E420.4**

MBLK Sample ID: **MBLK-1-R388476a** Units: **mg/L** Analysis Date: **11/7/2023 12:41 PM**
Client ID: Run ID: **SKALAR1_231107A** SeqNo: **10174054** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phenolics, Total	ND	0.0050								

LCS Sample ID: **LCS-1-R388476a** Units: **mg/L** Analysis Date: **11/7/2023 12:44 PM**
Client ID: Run ID: **SKALAR1_231107A** SeqNo: **10174055** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phenolics, Total	0.1001	0.0050	0.1	0	100	90-110	0			

MS Sample ID: **23110253-03B MS** Units: **mg/L** Analysis Date: **11/7/2023 12:51 PM**
Client ID: Run ID: **SKALAR1_231107A** SeqNo: **10174058** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phenolics, Total	0.09946	0.0050	0.1	0.004555	94.9	90-110	0			

MSD Sample ID: **23110253-03B MSD** Units: **mg/L** Analysis Date: **11/7/2023 12:53 PM**
Client ID: Run ID: **SKALAR1_231107A** SeqNo: **10174059** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phenolics, Total	0.09855	0.0050	0.1	0.004555	94	90-110	0.09946	0.912	20	

The following samples were analyzed in this batch: 23110289-83J 23110289-84J

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **R388637b** Instrument ID **SKALAR2** Method: **E365.1 R2.0**

MBLK Sample ID: **MBLK2-R388637b** Units: **mg/L** Analysis Date: **11/8/2023 06:00 PM**
Client ID: Run ID: **SKALAR2_231108A** SeqNo: **10181061** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phosphorus, Total	ND	0.050								

LCS Sample ID: **LCS2-R388637b** Units: **mg/L** Analysis Date: **11/8/2023 06:04 PM**
Client ID: Run ID: **SKALAR2_231108A** SeqNo: **10181062** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phosphorus, Total	2.574	0.050	2.5	0	103	90-110	0			

MS Sample ID: **23102759-01B MS** Units: **mg/L** Analysis Date: **11/8/2023 06:55 PM**
Client ID: Run ID: **SKALAR2_231108A** SeqNo: **10181074** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phosphorus, Total	2.513	0.050	2.5	-0.06395	103	90-110	0			

MS Sample ID: **23110045-04E MS** Units: **mg/L** Analysis Date: **11/8/2023 07:37 PM**
Client ID: Run ID: **SKALAR2_231108A** SeqNo: **10181084** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phosphorus, Total	2.893	0.050	2.5	0.1374	110	90-110	0			S

MSD Sample ID: **23102759-01B MSD** Units: **mg/L** Analysis Date: **11/8/2023 06:59 PM**
Client ID: Run ID: **SKALAR2_231108A** SeqNo: **10181075** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phosphorus, Total	2.78	0.050	2.5	-0.06395	114	90-110	2.513	10.1	20	S

MSD Sample ID: **23110045-04E MSD** Units: **mg/L** Analysis Date: **11/8/2023 07:40 PM**
Client ID: Run ID: **SKALAR2_231108A** SeqNo: **10181085** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phosphorus, Total	2.966	0.050	2.5	0.1374	113	90-110	2.893	2.51	20	S

The following samples were analyzed in this batch: 23110289-83H

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **R388655** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **WBLKS-R388655** Units: **% of sample** Analysis Date: **11/8/2023 02:15 PM**
Client ID: Run ID: **MOIST_231108A** SeqNo: **10182476** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.10								

LCS Sample ID: **LCS-R388655** Units: **% of sample** Analysis Date: **11/8/2023 02:15 PM**
Client ID: Run ID: **MOIST_231108A** SeqNo: **10182475** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.10	100	0	100	98-102	0			

DUP Sample ID: **23110435-04C DUP** Units: **% of sample** Analysis Date: **11/8/2023 02:15 PM**
Client ID: Run ID: **MOIST_231108A** SeqNo: **10182460** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	1.39	0.10	0	0	0	0-0	1.47	5.59	10	

DUP Sample ID: **23110623-01B DUP** Units: **% of sample** Analysis Date: **11/8/2023 02:15 PM**
Client ID: Run ID: **MOIST_231108A** SeqNo: **10182473** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	13.51	0.10	0	0	0	0-0	13.72	1.54	10	

The following samples were analyzed in this batch: 23110289-71A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **R388688** Instrument ID **WETCHEM** Method: **A4500-Cl C-11**

MBLK Sample ID: **MB-R388688-R388688** Units: **mg/L** Analysis Date: **11/9/2023 10:00 AM**
Client ID: Run ID: **WETCHEM_231109E** SeqNo: **10183791** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	ND	3.0								

LCS Sample ID: **LCS-R388688-R388688** Units: **mg/L** Analysis Date: **11/9/2023 10:00 AM**
Client ID: Run ID: **WETCHEM_231109E** SeqNo: **10183792** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	49.9	3.0	50	0	99.8	91-111	0			

MS Sample ID: **23110288-08A MS** Units: **mg/L** Analysis Date: **11/9/2023 10:00 AM**
Client ID: Run ID: **WETCHEM_231109E** SeqNo: **10183793** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	209.9	3.0	50	159.9	100	91-111	0			

MSD Sample ID: **23110288-08A MSD** Units: **mg/L** Analysis Date: **11/9/2023 10:00 AM**
Client ID: Run ID: **WETCHEM_231109E** SeqNo: **10183794** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	209.9	3.0	50	159.9	100	91-111	209.9	0	10	

The following samples were analyzed in this batch: 23110289-83D 23110289-84D

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110289
Project: Otwell - West State Street 20-393A

QC BATCH REPORT

Batch ID: **R388966a** Instrument ID **SKALAR2** Method: **E365.1 R2.0**

MBLK Sample ID: **MBLK1-R388966a** Units: **mg/L** Analysis Date: **11/10/2023 02:48 PM**
Client ID: Run ID: **SKALAR2_231110A** SeqNo: **10196666** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phosphorus, Total	ND	0.050								

LCS Sample ID: **LCS1-R388966a** Units: **mg/L** Analysis Date: **11/10/2023 02:53 PM**
Client ID: Run ID: **SKALAR2_231110A** SeqNo: **10196667** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phosphorus, Total	2.577	0.050	2.5	0	103	90-110	0			

MS Sample ID: **23110258-11B MS** Units: **mg/L** Analysis Date: **11/10/2023 03:14 PM**
Client ID: Run ID: **SKALAR2_231110A** SeqNo: **10196672** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phosphorus, Total	2.792	0.050	2.5	0.3593	97.3	90-110	0			

MS Sample ID: **23110357-01B MS** Units: **mg/L** Analysis Date: **11/10/2023 04:03 PM**
Client ID: Run ID: **SKALAR2_231110A** SeqNo: **10196684** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phosphorus, Total	3.196	0.050	2.5	0.7233	98.9	90-110	0			

MSD Sample ID: **23110258-11B MSD** Units: **mg/L** Analysis Date: **11/10/2023 03:18 PM**
Client ID: Run ID: **SKALAR2_231110A** SeqNo: **10196673** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phosphorus, Total	2.934	0.050	2.5	0.3593	103	90-110	2.792	4.99	20	

MSD Sample ID: **23110357-01B MSD** Units: **mg/L** Analysis Date: **11/10/2023 04:08 PM**
Client ID: Run ID: **SKALAR2_231110A** SeqNo: **10196685** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phosphorus, Total	3.396	0.050	2.5	0.7233	107	90-110	3.196	6.05	20	

The following samples were analyzed in this batch: 23110289-84H

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

☑ ALS Environmental
781 Industrial Cir, Ste 3
Traverse City, Michigan 49686
(Tel) 231.421.3204
(Cell) 231.944.3459

Chain of Custody Form

Page 1 of 10

☐ ALS Environmental
3352 128th Avenue
Holland, Michigan 49424
(Tel) 616.399.6070
(Fax) 616.399.6185

ALS Project Manager:	Gary Byar	ALS Work Order #:	

Customer Information		Project Information	
Purchase Order		Project Name	West State Street
Work Order		Project Number	20-393A
Company Name	Otwell Mawby, P. C.	Bill To Company	Otwell Mawby, P. C.
PNA		Invoice Attn.	James Jackson
Address	309 E Front St. Suite 200	Address	309 E Front St. Suite 200
City/State/Zip	Traverse City, MI 49684	City/State/Zip	Traverse City, MI 49684
Phone	231-946-5200	Phone	231-946-5200
Fax	231-946-5216	Fax	231-946-5216
e-Mail Address	jjackson@otwellmawby.com		

Parameter/Method Request for Analysis	
A	VOCs (Full List)
B	Moisture
C	PNAs
D	10 MI Metals
E	
F	
G	
H	
I	
J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	Hold
1	GP-70 @ 3'	10/31/2023		Soil		2	X	X	X	X			
2	GP-70 @ 5.5'	10/31/2023		Soil		2	X	X	X	X			
3	GP-71 @ 5'	10/31/2023		Soil		2	X	X	X	X			
4	GP-71 @ 7'	10/31/2023		Soil		2	X	X	X	X			
5	GP-72 @ 9'	10/31/2023		Soil		2	X	X	X	X			
6	GP-72 @ 11'	10/31/2023		Soil		2	X	X	X	X			
7	GP-73 @ 3.5'	10/31/2023		Soil		2	X	X	X	X			
8	GP-73 @ 6.5'	10/31/2023		Soil		2	X	X	X	X			
9	GP-75 @ 3'	11/1/2023		Soil		3	X	X	X	X			
10	GP-75 @ 5'	11/1/2023		Soil		3	X	X	X	X			

Sampler(s): Please Print & Sign
Steve Hemstreet

Shipment Method:

Required Turnaround Time: (Check Box)
☐ 10 Wk Days ☑ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	11-2-23	1355		11/2/23	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:
To Fedex	11/2/23		Fedex	11/3/23	900
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		
	11/3/23	1012	TG		

Notes:
Color: _____ Odor: _____

ALS Cooler ID	Cooler Temp
	4.0°C
	DE2

QC Package: (Check Box Below)
☑ Level II: Standard QC ☐ Level III: Raw Data
☐ TRRP LRC ☐ TRRP Level IV
☐ Level IV: SW846 Methods/CLP like
☐ Other: _____

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

Note: Any changes must be made in writing once samp' and COC Form have been submitted to ALS.

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Page 2 of 16

☐ ALS Environmental
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(Fax) 616.399.6185

ALS Project Manager:	Gary Byar	ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	West State Street	A	VOCs (Full List)
Work Order		Project Number	20-393A	B	Moisture
Company Name	Otwell Mawby, P. C.	Bill To Company	Otwell Mawby, P. C.	C	PNAs
PNA		Invoice Attn.	James Jackson	D	10 MI Metals
Address	309 E Front St. Suite 200	Address	309 E Front St. Suite 200	E	
				F	
City/State/Zip	Traverse City, MI 49684	City/State/Zip	Traverse City, MI 49684	G	
Phone	231-946-5200	Phone	231-946-5200	H	
Fax	231-946-5216	Fax	231-946-5216	I	
e-Mail Address	jjackson@otwellmawby.com			J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E					J	Hold
1	GP-76 @ 4'	11/1/2023		Soil		3	X	X	X	X							
2	GP-76 @ 6'	11/1/2023		Soil		3	X	X	X	X							
3	GP-77 @ 3'	11/1/2023		Soil		3	X	X	X	X							
4	GP-77 @ 5'	11/1/2023		Soil		3	X	X	X	X							
5	GP-78 @ 2.5'	11/1/2023		Soil		3	X	X	X	X							
6	GP-78 @ 4'	11/1/2023		Soil		3	X	X	X	X							
7	GP-89 @ 2'	10/31/2023		Soil		2	X	X									
8	GP-89 @ 4'	10/31/2023		Soil		2	X	X									
9	GP-89 @ 7'	10/31/2023		Soil		2	X	X									
10	GP-89 @ 9'	10/31/2023		Soil		2	X	X									

Sampler(s): Please Print & Sign
Steve Hemstreet

Shipment Method:

Required Turnaround Time: (Check Box) ☐ Other
☐ 10 Wk Days ☑ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	11-2-23	1355		11/2/23	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:
IG to Fedex	11/2/23		Fedex	11/3/23	900
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		
	11/3/23	1012	TG		

Notes:
Color: _____ Odor: _____

ALS Cooler ID	Cooler Temp	QC Package: (Check Box Below)	
	4.0°C	☑ Level II: Standard QC	☐ Level III: Raw Data
	DF2	☐ TRRP LRC	☐ TRRP Level IV
		☐ Level IV: SW846 Methods/CLP like	
		☐ Other:	

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

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Chain of Custody Form

Page 3 of 10

☐ ALS Environmental
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ALS Project Manager:	Gary Byar	ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	West State Street	A	VOCs (Full List)
Work Order		Project Number	20-393A	B	Moisture
Company Name	Otwell Mawby, P. C.	Bill To Company	Otwell Mawby, P. C.	C	PNAs
PNA		Invoice Attn.	James Jackson	D	10 MI Metals
Address	309 E Front St. Suite 200	Address	309 E Front St. Suite 200	E	
				F	
City/State/Zip	Traverse City, MI 49684	City/State/Zip	Traverse City, MI 49684	G	
Phone	231-946-5200	Phone	231-946-5200	H	
Fax	231-946-5216	Fax	231-946-5216	I	
e-Mail Address	jjackson@otwellmawby.com			J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D		I	J	Hold
1	GP-89 @ 12'	10/31/2023		Soil		2	X	X						
2	GP-89 @ 14'	10/31/2023		Soil		2	X	X						
3	GP-89 @ 16'	10/31/2023		Soil		2	X	X						
4	GP-89 @ 18'	10/31/2023		Soil		2	X	X						
5	GP-90 @ 2'	10/31/2023		Soil		2	X	X						
6	GP-90 @ 4'	10/31/2023		Soil		2	X	X						
7	GP-90 @ 6'	10/31/2023		Soil		2	X	X						
8	GP-90 @ 8'	10/31/2023		Soil		2	X	X						
9	GP-90 @ 10'	10/31/2023		Soil		2	X	X						
10	GP-90 @ 12'	10/31/2023		Soil		2	X	X						

23110289
OTWELL: Otwell Mawby, P. C.
Project: Otwell - West State Street 20-393A

Sampler(s): Please Print & Sign
Steve Hemstreet

Shipment Method:

Required Turnaround Time: (Check Box) ☐ Other ____
☐ 10 Wk Days ☑ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Date:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	11-2-23	1355		11/2/23	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:
To Fedex	11/2/23		Fedex	11/3/23	900
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		
	11/3/23	1012	TG		

Notes:
Color: _____ Odor: _____

ALS Cooler ID	Cooler Temp	QC Package: (Check Box Below)	
	4.0c	☑ Level II: Standard QC	☐ Level III: Raw Data
	DF2	☐ TRRP LRC	☐ TRRP Level IV
		☐ Level IV: SW846 Methods/CLP like	
		☐ Other:	

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

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☐ ALS Environmental
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Holland, Michigan 49424
(Tel) 616.399.6070
(Fax) 616.399.6185

ALS Project Manager: Gary Byar | **ALS Work Order #:**

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	West State Street	A	VOCs (Full List)
Work Order		Project Number	20-393A	B	Moisture
Company Name	Otwell Mawby, P. C.	Bill To Company	Otwell Mawby, P. C.	C	PNAs
PNA		Invoice Attn.	James Jackson	D	10 MI Metals
Address	309 E Front St. Suite 200	Address	309 E Front St. Suite 200	E	
City/State/Zip	Traverse City, MI 49684	City/State/Zip	Traverse City, MI 49684	F	
Phone	231-946-5200	Phone	231-946-5200	G	
Fax	231-946-5216	Fax	231-946-5216	H	
e-Mail Address	jjackson@otwellmawby.com			I	
				J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	J	Hold
1	GP-90 @ 14'	10/31/2023		Soil		2	X	X						
2	GP-90 @ 16'	10/31/2023		Soil		2	X	X						
3	GP-91 @ 1'	10/31/2023		Soil		2	X	X						
4	GP-91 @ 3'	10/31/2023		Soil		2	X	X						
5	GP-91 @ 5'	10/31/2023		Soil		2	X	X						
6	GP-91 @ 7'	10/31/2023		Soil		2	X	X						
7	GP-91 @ 9'	10/31/2023		Soil		2	X	X						
8	GP-91 @ 11'	10/31/2023		Soil		2	X	X						
9	GP-91 @ 14'	10/31/2023		Soil		2	X	X						
10	GP-91 @ 17'	10/31/2023		Soil		2	X	X						

Sampler(s): Please Print & Sign
Steve Hemstreet

Shipment Method:

Required Turnaround Time: (Check Box) ☐ Other
☐ 10 Wk Days ☑ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour

	Date:	Time:		Date:	Time:
Relinquished by:	11-2-23	1355	Received by:	11/2/23	
Relinquished by: Fedex	11/2/23		Received by (Laboratory): Fedex	11/3/23	900
Logged by (Laboratory):	11/3/23	1012	Checked by (Laboratory): TG		

Notes:
Color: _____ Odor: _____

ALS Cooler ID	Cooler Temp	QC Package: (Check Box Below)	
	4.0°C	☑ Level II: Standard QC	☐ Level III: Raw Data
	DFZ	☐ TRRP LRC	☐ TRRP Level IV
		☐ Level IV: SW846 Methods/CLP like	
		☐ Other:	

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

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☐ ALS Environmental
3352 128th Avenue
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(Tel) 616.399.6070
(Fax) 616.399.6185

ALS Project Manager:	Gary Byar	ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	West State Street	A	VOCs (Full List)
Work Order		Project Number	20-393A	B	Moisture
Company Name	Otwell Mawby, P. C.	Bill To Company	Otwell Mawby, P. C.	C	PNAs
PNA		Invoice Attn.	James Jackson	D	10 MI Metals
Address	309 E Front St. Suite 200	Address	309 E Front St. Suite 200	E	
				F	
City/State/Zip	Traverse City, MI 49684	City/State/Zip	Traverse City, MI 49684	G	
Phone	231-946-5200	Phone	231-946-5200	H	
Fax	231-946-5216	Fax	231-946-5216	I	
e-Mail Address	jjackson@otwellmawby.com			J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	I	J	Hold
1	GP-92 @ 3'	10/31/2023		Soil		2	X	X						
2	GP-92 @ 5'	10/31/2023		Soil		2	X	X						
3	GP-92 @ 7'	10/31/2023		Soil		2	X	X						
4	GP-92 @ 9'	10/31/2023		Soil		2	X	X						
5	GP-92 @ 11'	10/31/2023		Soil		2	X	X						
6	GP-92 @ 13'	10/31/2023		Soil		2	X	X						
7	GP-92 @ 15'	10/31/2023		Soil		2	X	X						
8	GP-92 @ 17'	10/31/2023		Soil		2	X	X						
9	GP-93 @ 2'	10/31/2023		Soil		2	X	X						
10	GP-93 @ 4'	10/31/2023		Soil		2	X	X						

Sampler(s): Please Print & Sign
Steve Hemstreet

Shipment Method:

Required Turnaround Time: (Check Box) ☐ 10 Wk Days ☑ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other _____

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	11-2-23	1355		11/2/23	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:
TR to Fedex	11/2/23		Fedex	11/3/23	900
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		
	11/3/23	1012	TG		

Notes:
Color: _____ Odor: _____

ALS Cooler ID	Cooler Temp
	4.0°C
	DF2

QC Package: (Check Box Below)
☑ Level II: Standard QC ☐ Level III: Raw Data
☐ TRRP LRC ☐ TRRP Level IV
☐ Level IV: SW846 Methods/CLP like
☐ Other: _____

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

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☐ ALS Environmental
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(Fax) 616.399.6185

ALS Project Manager:	Gary Byar	ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	West State Street	A	VOCs (Full List)
Work Order		Project Number	20-393A	B	Moisture
Company Name	Otwell Mawby, P. C.	Bill To Company	Otwell Mawby, P. C.	C	PNAs
PNA		Invoice Attn.	James Jackson	D	10 MI Metals
Address	309 E Front St. Suite 200	Address	309 E Front St. Suite 200	E	
				F	
City/State/Zip	Traverse City, MI 49684	City/State/Zip	Traverse City, MI 49684	G	
Phone	231-946-5200	Phone	231-946-5200	H	
Fax	231-946-5216	Fax	231-946-5216	I	
e-Mail Address	jjackson@otwellmawby.com			J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	J	Hold
1	GP-93 @ 6'	10/31/2023		Soil		2	X	X					
2	GP-93 @ 8'	10/31/2023		Soil		2	X	X					
3	GP-93 @ 10'	10/31/2023		Soil		2	X	X					
4	GP-93 @ 12'	10/31/2023		Soil		2	X	X					
5	GP-93 @ 14'	10/31/2023		Soil		2	X	X					
6	GP-93 @ 16'	10/31/2023		Soil		2	X	X					
7	GP-94 @ 3'	10/31/2023		Soil		2	X	X					
8	GP-94 @ 5'	10/31/2023		Soil		2	X	X					
9	GP-94 @ 7'	10/31/2023		Soil		2	X	X					
10	GP-94 @ 9'	10/31/2023		Soil		2	X	X					

23110289
OTWELL: Otwell Mawby, P. C.
Project: Otwell - West State Street 20-393A

Sampler(s): Please Print & Sign	Shipment Method:	Required Turnaround Time: (Check Box)	Results Due Date:
Steve Hemstreet		☐ 10 Wk Days ☑ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Notes:
	11-2-23	1355		11/2/23		Color: _____ Odor: _____
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:	
To fedex	11/2/23		Fedex	11/3/23	900	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):			
	11/3/23	1012	TG			

ALS Cooler ID	Cooler Temp	QC Package: (Check Box Below)	
	4.0°C	☑ Level II: Standard QC	☐ Level III: Raw Data
	DF2	☐ TRRP LRC	☐ TRRP Level IV
		☐ Level IV: SW846 Methods/CLP like	
		☐ Other:	

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

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☐ ALS Environmental
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ALS Project Manager:	Gary Byar	ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	West State Street	A	VOCs (Full List)
Work Order		Project Number	20-393A	B	Moisture
Company Name	Otwell Mawby, P. C.	Bill To Company	Otwell Mawby, P. C.	C	PNAs
PNA		Invoice Attn.	James Jackson	D	10 MI Metals
Address	309 E Front St. Suite 200	Address	309 E Front St. Suite 200	E	
				F	
City/State/Zip	Traverse City, MI 49684	City/State/Zip	Traverse City, MI 49684	G	
Phone	231-946-5200	Phone	231-946-5200	H	
Fax	231-946-5216	Fax	231-946-5216	I	
e-Mail Address	jjackson@otwellmawby.com			J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	J	Hold
1	GP-94 @ 11'	10/31/2023		Soil		2	X	X					
2	GP-94 @ 13'	10/31/2023		Soil		2	X	X					
3	GP-94 @ 15'	10/31/2023		Soil		2	X	X					
4	GP-94 @ 17'	10/31/2023		Soil		2	X	X					
5	GP-95 @ 2'	11/1/2023		Soil		2	X	X					
6	GP-95 @ 4'	11/1/2023		Soil		2	X	X					
7	GP-95 @ 6'	11/1/2023		Soil		2	X	X					
8	GP-95 @ 8'	11/1/2023		Soil		2	X	X					
9	GP-95 @ 10'	11/1/2023		Soil		2	X	X					
10	GP-95 @ 12'	11/1/2023		Soil		2	X	X					

Sampler(s): Please Print & Sign
Steve Hemstreet

Shipment Method:

Required Turnaround Time: (Check Box)
☐ 10 Wk Days ☑ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	11-2-23	1355		11/2/23	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:
To Fedex	11/2/23		FedEx	11/3/23	900
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		
	11/3/23	1012	TG		

Notes:
Color: _____ Odor: _____

ALS Cooler ID	Cooler Temp
	4.0°C
	0#2

QC Package: (Check Box Below)
☑ Level II: Standard QC ☐ Level III: Raw Data
☐ TRRP LRC ☐ TRRP Level IV
☐ Level IV: SW846 Methods/CLP like
☐ Other: _____

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

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☐ ALS Environmental
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ALS Project Manager:	Gary Byar	ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	West State Street	A	VOCs (Full List)
Work Order		Project Number	20-393A	B	Moisture
Company Name	Otwell Mawby, P. C.	Bill To Company	Otwell Mawby, P. C.	C	PNAs
PNA		Invoice Attn.	James Jackson	D	10 MI Metals
Address	309 E Front St. Suite 200	Address	309 E Front St. Suite 200	E	
				F	
City/State/Zip	Traverse City, MI 49684	City/State/Zip	Traverse City, MI 49684	G	
Phone	231-946-5200	Phone	231-946-5200	H	
Fax	231-946-5216	Fax	231-946-5216	I	
e-Mail Address	jjackson@otwellmawby.com			J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	J	Hold
1	GP-95 @ 14'	11/1/2023		Soil		2	X	X					
2	GP-95 @ 18'	11/1/2023		Soil		2	X	X					
3	GP-96 @ 3'	10/31/2023		Soil			X	X					
4	GP-96 @ 5'	10/31/2023		Soil			X	X					
5	GP-96 @ 7'	10/31/2023		Soil			X	X					
6	GP-96 @ 9'	10/31/2023		Soil			X	X					
7	GP-96 @ 11'	10/31/2023		Soil			X	X					
8	GP-96 @ 13'	10/31/2023		Soil			X	X					
9	GP-96 @ 16'	10/31/2023		Soil			X	X					
10	GP-96 @ 18'	10/31/2023		Soil			X	X					

Sampler(s): Please Print & Sign
Steve Hemstreet

Shipment Method:

Required Turnaround Time: (Check Box)
☐ 10 Wk Days ☑ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	11-2-23	1355	Jim Gate	11/2/23	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:
To fedex	11/2/23		FCSex1	11/3/23	900
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		
	11/3/23	1012	TG		

Notes:
Color: _____ Odor: _____

ALS Cooler ID	Cooler Temp
	4.0°C
	0F2

QC Package: (Check Box Below)
☑ Level II: Standard QC ☐ Level III: Raw Data
☐ TRRP LRC ☐ TRRP Level IV
☐ Level IV: SW846 Methods/CLP like
☐ Other: _____

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

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☐ ALS Environmental
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ALS Project Manager: Gary Byar | **ALS Work Order #:**

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	West State Street	A	VOCs (Full List)
Work Order		Project Number	20-393A	B	Moisture
Company Name	Otwell Mawby, P. C.	Bill To Company	Otwell Mawby, P. C.	C	PNAs
PNA		Invoice Attn.	James Jackson	D	10 MI Metals
Address	309 E Front St. Suite 200	Address	309 E Front St. Suite 200	E	TCLP VOC, TCLP SVOCs, TCLP RCRA
				F	pH, Flash
City/State/Zip	Traverse City, MI 49684	City/State/Zip	Traverse City, MI 49684	G	
Phone	231-946-5200	Phone	231-946-5200	H	
Fax	231-946-5216	Fax	231-946-5216	I	
e-Mail Address	jjackson@otwellmawby.com			J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	Hold
1	GP-97 @ 3'	10/31/2023		Soil		2	X	X					
2	GP-97 @ 5'	10/31/2023		Soil		2	X	X					
3	GP-97 @ 7'	10/31/2023		Soil		2	X	X					
4	GP-97 @ 9'	10/31/2023		Soil		2	X	X					
5	GP-97 @ 11'	10/31/2023		Soil		2	X	X					
6	GP-97 @ 13'	10/31/2023		Soil		2	X	X					
7	GP-97 @ 15'	10/31/2023		Soil		2	X	X					
8	GP-97 @ 18'	10/31/2023		Soil		2	X	X					
9	GP-94 Waste Characterization	10/31/2023		Soil		4					X	X	
10	GP-95 Waste Characterization	11/1/2023		Soil		4					X	X	

Sampler(s): Please Print & Sign: Steve Hemstreet

Shipment Method:

Required Turnaround Time: (Check Box) ☐ 10 Wk Days ☑ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	11-2-23	1355		11/2/23	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:
To Fedex	11/2/23		Fedex	11/3/23	900
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		
	11/3/23	1012	TG		

Notes: Color: _____ Odor: _____

ALS Cooler ID	Cooler Temp	QC Package: (Check Box Below)	
	4.0°C	☑ Level II: Standard QC	☐ Level III: Raw Data
	DF2	☐ TRRP LRC	☐ TRRP Level IV
		☐ Level IV: SW846 Methods/CLP like	
		☐ Other:	

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

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☐ ALS Environmental
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(Fax) 616.399.6185

ALS Project Manager:	Gary Byar	ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	West State Street	A	VOCs (Full List)
Work Order		Project Number	20-393A	B	pH, phenols, BOD, chloride, fats and greases, total phosphorus
Company Name	Otwell Mawby, P. C.	Bill To Company	Otwell Mawby, P. C.	C	TKN, TSS
PNA		Invoice Attn.	James Jackson	D	Total Metals - Arsenic, Barium, Cadmium, Chromium, Copper, Lead
Address	309 E Front St. Suite 200	Address	309 E Front St. Suite 200	E	Total Metals - Mercury, Molybdenum, Nickel, Selenium, Thallium
				F	Total Metals - Zinc
City/State/Zip	Traverse City, MI 49684	City/State/Zip	Traverse City, MI 49684	G	
Phone	231-946-5200	Phone	231-946-5200	H	
Fax	231-946-5216	Fax	231-946-5216	I	
e-Mail Address	jjackson@otwellmawby.com			J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	GP-94	11/2/2023	900	GW		15	X	X	X	X	X	X					
2	GP-95	11/2/2023	1000	GW		15	X	X	X	X	X	X					
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s): Please Print & Sign
Will McSorley

Shipment Method:

Required Turnaround Time: (Check Box) ☐ Other
☐ 10 Wk Days ☑ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	11-2-23	1355		11/2/23	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:
TG to Fedex	11/2/23		Fedex	11/3/23	900
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		
	11/3/23	1012	TG		

Notes:
Color: _____ Odor: _____

ALS Cooler ID	Cooler Temp
	4.0°C
	DF2

QC Package: (Check Box Below)
☑ Level II: Standard QC ☐ Level III: Raw Data
☐ TRRP LRC ☐ TRRP Level IV
☐ Level IV: SW846 Methods/CLP like
☐ Other: _____

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

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14-Nov-2023

Jame Jackson
Otwell Mawby, P. C.
309 E Front St.
Suite #200
Traverse City, MI 49684

Re: **West State Street 20-393A** Work Order: **23110435**

Dear James,

ALS Environmental received 22 samples on 04-Nov-2023 10:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 115.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

Electronically approved by: Tim Gates

Gary Byar
Project Manager

ALS Group, USA

Date: 14-Nov-23

Client: Otwell Mawby, P. C.
Project: West State Street 20-393A
Work Order: **23110435**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
23110435-01	GP-69@2'	Soil		11/2/2023	11/4/2023 10:00	☐
23110435-02	GP-69@5'	Soil		11/2/2023	11/4/2023 10:00	☐
23110435-03	GP-79@2'	Soil		11/2/2023	11/4/2023 10:00	☐
23110435-04	GP-79@4'	Soil		11/2/2023	11/4/2023 10:00	☐
23110435-05	GP-80@3'	Soil		11/2/2023	11/4/2023 10:00	☐
23110435-06	GP-80@6'	Soil		11/2/2023	11/4/2023 10:00	☐
23110435-07	GP-81@1.5'	Soil		11/2/2023	11/4/2023 10:00	☐
23110435-08	GP-81@4'	Soil		11/2/2023	11/4/2023 10:00	☐
23110435-09	GP-82@1.5	Soil		11/2/2023	11/4/2023 10:00	☐
23110435-10	GP-82@4'	Soil		11/2/2023	11/4/2023 10:00	☐
23110435-11	GP-83@2'	Soil		11/2/2023	11/4/2023 10:00	☐
23110435-12	GP-83@5'	Soil		11/2/2023	11/4/2023 10:00	☐
23110435-13	GP-84@1.5'	Soil		11/2/2023	11/4/2023 10:00	☐
23110435-14	GP-84@4'	Soil		11/2/2023	11/4/2023 10:00	☐
23110435-15	GP-85@1'	Soil		11/2/2023	11/4/2023 10:00	☐
23110435-16	GP-85@3'	Soil		11/2/2023	11/4/2023 10:00	☐
23110435-17	GP-86@2'	Soil		11/2/2023	11/4/2023 10:00	☐
23110435-18	GP-86@3'	Soil		11/2/2023	11/4/2023 10:00	☐
23110435-19	GP-87@2'	Soil		11/2/2023	11/4/2023 10:00	☐
23110435-20	GP-87@5'	Soil		11/2/2023	11/4/2023 10:00	☐
23110435-21	GP-88@2'	Soil		11/2/2023	11/4/2023 10:00	☐
23110435-22	GP-88@4'	Soil		11/2/2023	11/4/2023 10:00	☐

Client: Otwell Mawby, P. C.
Project: West State Street 20-393A
Work Order: 23110435

Case Narrative

Batch 228697, Method SW8260D, Sample GP-88@4' (23110435-22B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: bromomethane, methyl iodide

Batch 228697, Method SW8260D, Sample GP-88@2' (23110435-21B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: bromomethane, methyl iodide

Batch 228666, Method SW8260D, Sample GP-69@5' (23110435-02B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: 2-methylnaphthalene

Batch 228666, Method SW8260D, Sample GP-69@5' (23110435-02B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: methyl iodide

Batch 228666, Method SW8260D, Sample GP-79@2' (23110435-03B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: 2-methylnaphthalene

Batch 228666, Method SW8260D, Sample GP-79@2' (23110435-03B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: methyl iodide

Batch 228697, Method SW8260D, Sample GP-79@4' (23110435-04B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: 2-methylnaphthalene

Batch 228697, Method SW8260D, Sample GP-79@4' (23110435-04B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: methyl iodide

Batch 228697, Method SW8260D, Sample GP-80@3' (23110435-05B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: 2-methylnaphthalene

Batch 228697, Method SW8260D, Sample GP-80@3' (23110435-05B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: methyl iodide

Batch 228697, Method SW8260D, Sample GP-80@6' (23110435-06B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: 2-methylnaphthalene

Batch 228697, Method SW8260D, Sample GP-80@6' (23110435-06B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: methyl iodide

Batch 228697, Method SW8260D, Sample GP-81@4' (23110435-08B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: 2-methylnaphthalene

Batch 228697, Method SW8260D, Sample GP-81@4' (23110435-08B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: methyl iodide

Batch 228697, Method SW8260D, Sample GP-82@1.5 (23110435-09B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: 2-methylnaphthalene

Batch 228697, Method SW8260D, Sample GP-82@1.5 (23110435-09B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: methyl iodide

Batch 228697, Method SW8260D, Sample GP-82@4' (23110435-10B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: 2-methylnaphthalene

Batch 228697, Method SW8260D, Sample GP-82@4' (23110435-10B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity

was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: methyl iodide

Batch 228697, Method SW8260D, Sample GP-83@2' (23110435-11B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: 2-methylnaphthalene

Batch 228697, Method SW8260D, Sample GP-83@2' (23110435-11B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: methyl iodide

Batch 228697, Method SW8260D, Sample GP-83@5' (23110435-12B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: 2-methylnaphthalene

Batch 228697, Method SW8260D, Sample GP-83@5' (23110435-12B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: methyl iodide

Batch 228697, Method SW8260D, Sample GP-84@1.5' (23110435-13B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: 2-methylnaphthalene

Batch 228697, Method SW8260D, Sample GP-84@1.5' (23110435-13B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: methyl iodide

Batch 228697, Method SW8260D, Sample GP-84@4' (23110435-14B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: 2-methylnaphthalene

Batch 228697, Method SW8260D, Sample GP-84@4' (23110435-14B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: methyl iodide

Batch 228697, Method SW8260D, Sample GP-85@3' (23110435-16B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: 2-methylnaphthalene

Batch 228697, Method SW8260D, Sample GP-85@3' (23110435-16B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: methyl iodide

Batch 228697, Method SW8260D, Sample GP-86@2' (23110435-17B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: 2-methylnaphthalene

Batch 228697, Method SW8260D, Sample GP-86@2' (23110435-17B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: methyl iodide

Batch 228697, Method SW8260D, Sample GP-86@3' (23110435-18B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: 2-methylnaphthalene

Batch 228697, Method SW8260D, Sample GP-86@3' (23110435-18B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: methyl iodide

Batch 228697, Method SW8260D, Sample GP-87@5' (23110435-20B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: 2-methylnaphthalene

Batch 228697, Method SW8260D, Sample GP-87@5' (23110435-20B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: methyl iodide

Batch 228666, Method SW8260D, Sample GP-69@2' (23110435-01B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Bromomethane, Dichlorodifluoromethane, Methyl iodide

Batch 228697, Method SW8260D, Sample GP-81@1.5' (23110435-07B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-

detects are reported without qualification: Bromomethane, Dichlorodifluoromethane, Methyl iodide

Batch 228697, Method SW8260D, Sample GP-85@1' (23110435-15B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Bromomethane, Dichlorodifluoromethane, Methyl iodide

Batch 228697, Method SW8260D, Sample GP-87@2' (23110435-19B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Bromomethane, Dichlorodifluoromethane, Methyl iodide

Batch 228678, Method SW6020B: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch 228795, Method SW8270E: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch 228812, Method SW8270E: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch 228849, Method SW7471B: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch 228856, Method SW7471B: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch 228900, Method SW8270E: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch R388655, Method SW3550C: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch R388656, Method SW3550C: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-69@2'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-01	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/8/2023**		Analyst: **KRA**
Mercury	**0.057**	**0.050**	**0.050**		**mg/Kg-dry**	1	11/9/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	**2.2**	**2.0**	**2.0**		**mg/Kg-dry**	1	11/8/2023
Barium	**26**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	**0.72**	**0.20**	**0.20**		**mg/Kg-dry**	1	11/8/2023
Chromium	**2.6**	**2.0**	**2.0**		**mg/Kg-dry**	1	11/8/2023
Copper	**16**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Lead	**91**	**10**	**10**		**mg/Kg-dry**	1	11/8/2023
Selenium	ND	0.30	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.30	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**62**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/8/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/8/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/8/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Surr: 2-Fluorobiphenyl	*87.3*	*20-140*			*%REC*	1	11/8/2023
Surr: 4-Terphenyl-d14	*74.0*	*22-172*			*%REC*	1	11/8/2023
Surr: Nitrobenzene-d5	*98.8*	*28-140*			*%REC*	1	11/8/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/12/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-69@2'
Work Order: 23110435 **Collection Date:** 11/2/2023
Project: West State Street 20-393A
Lab ID: 23110435-01 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/12/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/12/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/12/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/12/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/12/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/12/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/12/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/12/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/12/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/12/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/12/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/12/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/12/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/12/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/12/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/12/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/12/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/12/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/12/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/12/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/12/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/12/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/12/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/12/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/12/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/12/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/12/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/12/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/12/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/12/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/12/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/12/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-69@2'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-01	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/12/2023
Methyl iodide	ND	580	100		µg/Kg-dry	1	11/12/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/12/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/12/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/12/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/12/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/12/2023
Tetrachloroethene	**130**	**50**	**50**		**µg/Kg-dry**	1	11/12/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/12/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/12/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/12/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/12/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/12/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/12/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/12/2023
Surr: 1,2-Dichloroethane-d4	*109*	*80-120*			*%REC*	1	11/12/2023
Surr: 4-Bromofluorobenzene	*94.7*	*80-120*			*%REC*	1	11/12/2023
Surr: Dibromofluoromethane	*103*	*80-120*			*%REC*	1	11/12/2023
Surr: Toluene-d8	*98.9*	*80-120*			*%REC*	1	11/12/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.8**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-69@5'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-02	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/8/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/9/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**5.0**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.29	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.29	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**4.9**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/8/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/8/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/8/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Surr: 2-Fluorobiphenyl	*89.5*	*20-140*			*%REC*	1	11/8/2023
Surr: 4-Terphenyl-d14	*80.7*	*22-172*			*%REC*	1	11/8/2023
Surr: Nitrobenzene-d5	*101*	*28-140*			*%REC*	1	11/8/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-69@5'
Work Order: 23110435 **Collection Date:** 11/2/2023
Project: West State Street 20-393A
Lab ID: 23110435-02 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	37	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-69@5'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-02	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	620	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	310	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*104*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*102*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*103*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*101*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.2**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-79@2'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-03	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/8/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/9/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**2.1**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.27	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.27	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**1.7**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/9/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/9/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/9/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/9/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/9/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/9/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/9/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/9/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/9/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/9/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/9/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/9/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/9/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/9/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/9/2023
Surr: 2-Fluorobiphenyl	*89.1*	*20-140*			*%REC*	1	11/9/2023
Surr: 4-Terphenyl-d14	*96.2*	*22-172*			*%REC*	1	11/9/2023
Surr: Nitrobenzene-d5	*99.5*	*28-140*			*%REC*	1	11/9/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-79@2'
Work Order: 23110435 **Collection Date:** 11/2/2023
Project: West State Street 20-393A
Lab ID: 23110435-03 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	32	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-79@2'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-03	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	540	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	270	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*106*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*104*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*103*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*98.8*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**1.4**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-79@4'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-04	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/8/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/9/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**2.3**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.26	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.26	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**1.4**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/9/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/9/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/9/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/9/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/9/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/9/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/9/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/9/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/9/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/9/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/9/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/9/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/9/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/9/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/9/2023
Surr: 2-Fluorobiphenyl	*83.6*	*20-140*			*%REC*	1	11/9/2023
Surr: 4-Terphenyl-d14	*89.0*	*22-172*			*%REC*	1	11/9/2023
Surr: Nitrobenzene-d5	*94.9*	*28-140*			*%REC*	1	11/9/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-79@4'
Work Order: 23110435 **Collection Date:** 11/2/2023
Project: West State Street 20-393A
Lab ID: 23110435-04 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-79@4'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-04	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	570	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*103*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*105*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*97.7*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*100*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**1.5**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-80@3'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-05	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/8/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/9/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**7.4**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.31	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.31	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**8.9**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/8/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/8/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/8/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Surr: 2-Fluorobiphenyl	*77.0*	*20-140*			*%REC*	1	11/8/2023
Surr: 4-Terphenyl-d14	*62.6*	*22-172*			*%REC*	1	11/8/2023
Surr: Nitrobenzene-d5	*80.2*	*28-140*			*%REC*	1	11/8/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-80@3'
Work Order: 23110435 **Collection Date:** 11/2/2023
Project: West State Street 20-393A
Lab ID: 23110435-05 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	33	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-80@3'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-05	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	550	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	270	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*106*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*105*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*105*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*101*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.5**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-80@6'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-06	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/8/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/9/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**2.9**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.31	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.31	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**1.6**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/8/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/8/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/8/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Surr: 2-Fluorobiphenyl	*83.1*	*20-140*			*%REC*	1	11/8/2023
Surr: 4-Terphenyl-d14	*68.2*	*22-172*			*%REC*	1	11/8/2023
Surr: Nitrobenzene-d5	*86.6*	*28-140*			*%REC*	1	11/8/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-80@6'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-06	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	36	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-80@6'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-06	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	600	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	300	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*99.2*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*104*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*102*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*99.5*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.2**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-81@1.5'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-07	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/8/2023**		Analyst: **KRA**
Mercury	**0.084**	**0.050**	**0.050**		**mg/Kg-dry**	1	11/9/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**27**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	**0.32**	**0.20**	**0.20**		**mg/Kg-dry**	1	11/8/2023
Chromium	**2.5**	**2.0**	**2.0**		**mg/Kg-dry**	1	11/8/2023
Copper	**7.7**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Lead	**110**	**10**	**10**		**mg/Kg-dry**	10	11/8/2023
Selenium	ND	0.30	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.30	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**57**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/8/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/8/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Fluoranthene	**520**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/8/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Pyrene	**380**	**330**	**330**		**µg/Kg-dry**	1	11/8/2023
Surr: 2-Fluorobiphenyl	*85.6*	*20-140*			*%REC*	1	11/8/2023
Surr: 4-Terphenyl-d14	*70.8*	*22-172*			*%REC*	1	11/8/2023
Surr: Nitrobenzene-d5	*87.5*	*28-140*			*%REC*	1	11/8/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/12/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-81@1.5'
Work Order: 23110435 **Collection Date:** 11/2/2023
Project: West State Street 20-393A
Lab ID: 23110435-07 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/12/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/12/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/12/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/12/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/12/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/12/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/12/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/12/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/12/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/12/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/12/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/12/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/12/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/12/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/12/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/12/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/12/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/12/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/12/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/12/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/12/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/12/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/12/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/12/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/12/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/12/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/12/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/12/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/12/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/12/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/12/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/12/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-81@1.5'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-07	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/12/2023
Methyl iodide	ND	560	100		µg/Kg-dry	1	11/12/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/12/2023
Methylene chloride	ND	280	100		µg/Kg-dry	1	11/12/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/12/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/12/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/12/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/12/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/12/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/12/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/12/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/12/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/12/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/12/2023
Surr: 1,2-Dichloroethane-d4	*107*	*80-120*			*%REC*	1	11/12/2023
Surr: 4-Bromofluorobenzene	*93.7*	*80-120*			*%REC*	1	11/12/2023
Surr: Dibromofluoromethane	*99.9*	*80-120*			*%REC*	1	11/12/2023
Surr: Toluene-d8	*99.4*	*80-120*			*%REC*	1	11/12/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.4**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-81@4'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-08	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/8/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/9/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**2.5**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	**2.1**	**2.0**	**2.0**		**mg/Kg-dry**	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.32	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.32	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**2.8**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/8/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/8/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/8/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/8/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/8/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/8/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/8/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/8/2023
Surr: 2-Fluorobiphenyl	*89.0*	*20-140*			*%REC*	1	11/8/2023
Surr: 4-Terphenyl-d14	*71.8*	*22-172*			*%REC*	1	11/8/2023
Surr: Nitrobenzene-d5	*93.1*	*28-140*			*%REC*	1	11/8/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-81@4'
Work Order: 23110435 **Collection Date:** 11/2/2023
Project: West State Street 20-393A
Lab ID: 23110435-08 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	36	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-81@4'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-08	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	600	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	300	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*102*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*104*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*98.6*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*100*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.2**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-82@1.5
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-09	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/8/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/9/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**1.9**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.26	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.26	0.10		mg/Kg-dry	1	11/8/2023
Zinc	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/9/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/9/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/9/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/9/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/9/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/9/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/9/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/9/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/9/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/9/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/9/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/9/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/9/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/9/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/9/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/9/2023
Surr: 2-Fluorobiphenyl	*89.2*	*20-140*			*%REC*	1	11/9/2023
Surr: 4-Terphenyl-d14	*75.1*	*22-172*			*%REC*	1	11/9/2023
Surr: Nitrobenzene-d5	*92.3*	*28-140*			*%REC*	1	11/9/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-82@1.5
Work Order: 23110435 **Collection Date:** 11/2/2023
Project: West State Street 20-393A
Lab ID: 23110435-09 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-82@1.5
Work Order: 23110435 **Collection Date:** 11/2/2023
Project: West State Street 20-393A
Lab ID: 23110435-09 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	570	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	280	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*102*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*105*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*104*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*99.4*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.6**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-82@4'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-10	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/8/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/9/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**2.5**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.29	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.29	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**2.2**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/10/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/10/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/10/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Surr: 2-Fluorobiphenyl	*84.9*	*20-140*			*%REC*	1	11/10/2023
Surr: 4-Terphenyl-d14	*80.7*	*22-172*			*%REC*	1	11/10/2023
Surr: Nitrobenzene-d5	*96.2*	*28-140*			*%REC*	1	11/10/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-82@4'
Work Order: 23110435 **Collection Date:** 11/2/2023
Project: West State Street 20-393A
Lab ID: 23110435-10 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/11/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/11/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/11/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/11/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/11/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/11/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/11/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/11/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/11/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/11/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-82@4'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-10	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/11/2023
Methyl iodide	ND	590	100		µg/Kg-dry	1	11/11/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/11/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/11/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/11/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/11/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/11/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/11/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/11/2023
Surr: 1,2-Dichloroethane-d4	*104*	*80-120*			*%REC*	1	11/11/2023
Surr: 4-Bromofluorobenzene	*102*	*80-120*			*%REC*	1	11/11/2023
Surr: Dibromofluoromethane	*101*	*80-120*			*%REC*	1	11/11/2023
Surr: Toluene-d8	*101*	*80-120*			*%REC*	1	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.1**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-83@2'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-11	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/8/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/9/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**5.1**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.26	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.26	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**3.5**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/10/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/10/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/10/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Surr: 2-Fluorobiphenyl	*82.4*	*20-140*			*%REC*	1	11/10/2023
Surr: 4-Terphenyl-d14	*77.8*	*22-172*			*%REC*	1	11/10/2023
Surr: Nitrobenzene-d5	*93.3*	*28-140*			*%REC*	1	11/10/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-83@2'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-11	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/11/2023
1,2-Dibromoethane	ND	32	20		µg/Kg-dry	1	11/11/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/11/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/11/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/11/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/11/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/11/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/11/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/11/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/11/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-83@2'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-11	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/11/2023
Methyl iodide	ND	540	100		µg/Kg-dry	1	11/11/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/11/2023
Methylene chloride	ND	270	100		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/11/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/11/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/11/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/11/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/11/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/11/2023
Surr: 1,2-Dichloroethane-d4	*106*	*80-120*			*%REC*	1	11/11/2023
Surr: 4-Bromofluorobenzene	*105*	*80-120*			*%REC*	1	11/11/2023
Surr: Dibromofluoromethane	*106*	*80-120*			*%REC*	1	11/11/2023
Surr: Toluene-d8	*101*	*80-120*			*%REC*	1	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**2.8**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-83@5'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-12	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/8/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/9/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**8.5**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.31	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.31	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**2.6**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/10/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/10/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/10/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Surr: 2-Fluorobiphenyl	*72.9*	*20-140*			*%REC*	1	11/10/2023
Surr: 4-Terphenyl-d14	*68.6*	*22-172*			*%REC*	1	11/10/2023
Surr: Nitrobenzene-d5	*83.3*	*28-140*			*%REC*	1	11/10/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-83@5'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-12	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/11/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/11/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/11/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/11/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/11/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/11/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/11/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/11/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/11/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/11/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-83@5'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-12	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/11/2023
Methyl iodide	ND	570	100		µg/Kg-dry	1	11/11/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/11/2023
Methylene chloride	ND	280	100		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/11/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/11/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/11/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/11/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/11/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/11/2023
Surr: 1,2-Dichloroethane-d4	*104*	*80-120*			*%REC*	1	11/11/2023
Surr: 4-Bromofluorobenzene	*108*	*80-120*			*%REC*	1	11/11/2023
Surr: Dibromofluoromethane	*105*	*80-120*			*%REC*	1	11/11/2023
Surr: Toluene-d8	*102*	*80-120*			*%REC*	1	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.6**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-84@1.5'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-13	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/8/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/9/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**3.6**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.31	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.31	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**1.1**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/10/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/10/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/10/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Surr: 2-Fluorobiphenyl	*84.1*	*20-140*			*%REC*	1	11/10/2023
Surr: 4-Terphenyl-d14	*74.2*	*22-172*			*%REC*	1	11/10/2023
Surr: Nitrobenzene-d5	*94.7*	*28-140*			*%REC*	1	11/10/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-84@1.5'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-13	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/11/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/11/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/11/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/11/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/11/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/11/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/11/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/11/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/11/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/11/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-84@1.5'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-13	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/11/2023
Methyl iodide	ND	560	100		µg/Kg-dry	1	11/11/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/11/2023
Methylene chloride	ND	280	100		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/11/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/11/2023
Tetrachloroethene	**100**	**50**	**50**		**µg/Kg-dry**	1	11/11/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/11/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/11/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/11/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/11/2023
Surr: 1,2-Dichloroethane-d4	*102*	*80-120*			*%REC*	1	11/11/2023
Surr: 4-Bromofluorobenzene	*106*	*80-120*			*%REC*	1	11/11/2023
Surr: Dibromofluoromethane	*101*	*80-120*			*%REC*	1	11/11/2023
Surr: Toluene-d8	*98.9*	*80-120*			*%REC*	1	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**2.2**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-84@4'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-14	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/8/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/9/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**2.1**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.27	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.27	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**3.5**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/10/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/10/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/10/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Surr: 2-Fluorobiphenyl	*85.0*	*20-140*			*%REC*	1	11/10/2023
Surr: 4-Terphenyl-d14	*75.2*	*22-172*			*%REC*	1	11/10/2023
Surr: Nitrobenzene-d5	*97.5*	*28-140*			*%REC*	1	11/10/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-84@4'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-14	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/11/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/11/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/11/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/11/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/11/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/11/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/11/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/11/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/11/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/11/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-84@4'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-14	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/11/2023
Methyl iodide	ND	560	100		µg/Kg-dry	1	11/11/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/11/2023
Methylene chloride	ND	280	100		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/11/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/11/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/11/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/11/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/11/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/11/2023
Surr: 1,2-Dichloroethane-d4	*103*	*80-120*			*%REC*	1	11/11/2023
Surr: 4-Bromofluorobenzene	*107*	*80-120*			*%REC*	1	11/11/2023
Surr: Dibromofluoromethane	*100*	*80-120*			*%REC*	1	11/11/2023
Surr: Toluene-d8	*103*	*80-120*			*%REC*	1	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**1.7**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-85@1'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-15	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/8/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/9/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**17**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	**5.0**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Lead	**28**	**10**	**10**		**mg/Kg-dry**	1	11/8/2023
Selenium	ND	0.31	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.31	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**29**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/10/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/10/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/10/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Surr: 2-Fluorobiphenyl	*75.5*	*20-140*			*%REC*	1	11/10/2023
Surr: 4-Terphenyl-d14	*54.9*	*22-172*			*%REC*	1	11/10/2023
Surr: Nitrobenzene-d5	*78.2*	*28-140*			*%REC*	1	11/10/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/12/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-85@1'
Work Order: 23110435 **Collection Date:** 11/2/2023
Project: West State Street 20-393A
Lab ID: 23110435-15 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/12/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/12/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/12/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/12/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/12/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/12/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/12/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/12/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/12/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/12/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/12/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/12/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/12/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/12/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/12/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/12/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/12/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/12/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/12/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/12/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/12/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/12/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/12/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/12/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/12/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/12/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/12/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/12/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/12/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/12/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/12/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/12/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-85@1'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-15	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	**180**	**100**	**100**		**µg/Kg-dry**	1	11/12/2023
Methyl iodide	ND	560	100		µg/Kg-dry	1	11/12/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/12/2023
Methylene chloride	ND	280	100		µg/Kg-dry	1	11/12/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/12/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
o-Xylene	**140**	**50**	**50**		**µg/Kg-dry**	1	11/12/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/12/2023
Tetrachloroethene	**53**	**50**	**50**		**µg/Kg-dry**	1	11/12/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/12/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/12/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/12/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/12/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/12/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/12/2023
Xylenes, Total	**320**	**150**	**150**		**µg/Kg-dry**	1	11/12/2023
Surr: 1,2-Dichloroethane-d4	*104*	*80-120*			*%REC*	1	11/12/2023
Surr: 4-Bromofluorobenzene	*97.0*	*80-120*			*%REC*	1	11/12/2023
Surr: Dibromofluoromethane	*103*	*80-120*			*%REC*	1	11/12/2023
Surr: Toluene-d8	*95.2*	*80-120*			*%REC*	1	11/12/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**2.1**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-85@3'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-16	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/8/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/9/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**3.1**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.26	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.26	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**2.3**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/10/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/10/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/10/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Surr: 2-Fluorobiphenyl	*89.5*	*20-140*			*%REC*	1	11/10/2023
Surr: 4-Terphenyl-d14	*83.5*	*22-172*			*%REC*	1	11/10/2023
Surr: Nitrobenzene-d5	*104*	*28-140*			*%REC*	1	11/10/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-85@3'
Work Order: 23110435 **Collection Date:** 11/2/2023
Project: West State Street 20-393A
Lab ID: 23110435-16 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dibromo-3-chloropropane	ND	130	10		µg/Kg-dry	1	11/11/2023
1,2-Dibromoethane	ND	38	20		µg/Kg-dry	1	11/11/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,3,5-Trimethylbenzene	ND	130	100		µg/Kg-dry	1	11/11/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/11/2023
Acrylonitrile	ND	130	100		µg/Kg-dry	1	11/11/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/11/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/11/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/11/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/11/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Hexachloroethane	ND	130	0		µg/Kg-dry	1	11/11/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-85@3'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-16	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/11/2023
Methyl iodide	ND	630	100		µg/Kg-dry	1	11/11/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/11/2023
Methylene chloride	ND	310	100		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/11/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/11/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/11/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/11/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/11/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/11/2023
Surr: 1,2-Dichloroethane-d4	*99.1*	*80-120*			*%REC*	1	11/11/2023
Surr: 4-Bromofluorobenzene	*102*	*80-120*			*%REC*	1	11/11/2023
Surr: Dibromofluoromethane	*97.6*	*80-120*			*%REC*	1	11/11/2023
Surr: Toluene-d8	*98.7*	*80-120*			*%REC*	1	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**2.3**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-86@2'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-17	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/8/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/9/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**16**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	**4.9**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Lead	**23**	**10**	**10**		**mg/Kg-dry**	1	11/8/2023
Selenium	ND	0.27	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.27	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**27**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/10/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/10/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/10/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Surr: 2-Fluorobiphenyl	*83.6*	*20-140*			*%REC*	1	11/10/2023
Surr: 4-Terphenyl-d14	*77.8*	*22-172*			*%REC*	1	11/10/2023
Surr: Nitrobenzene-d5	*97.2*	*28-140*			*%REC*	1	11/10/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-86@2'
Work Order: 23110435 **Collection Date:** 11/2/2023
Project: West State Street 20-393A
Lab ID: 23110435-17 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/11/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/11/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/11/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/11/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/11/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/11/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/11/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/11/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/11/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/11/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-86@2'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-17	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/11/2023
Methyl iodide	ND	570	100		µg/Kg-dry	1	11/11/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/11/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/11/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/11/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/11/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/11/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/11/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/11/2023
Surr: 1,2-Dichloroethane-d4	*98.3*	*80-120*			*%REC*	1	11/11/2023
Surr: 4-Bromofluorobenzene	*106*	*80-120*			*%REC*	1	11/11/2023
Surr: Dibromofluoromethane	*99.5*	*80-120*			*%REC*	1	11/11/2023
Surr: Toluene-d8	*101*	*80-120*			*%REC*	1	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**1.4**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-86@3'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-18	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/8/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/9/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**5.0**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.28	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.28	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**3.3**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/10/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/10/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/10/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/10/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/10/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/10/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/10/2023
Surr: 2-Fluorobiphenyl	*82.4*	*20-140*			*%REC*	1	11/10/2023
Surr: 4-Terphenyl-d14	*75.7*	*22-172*			*%REC*	1	11/10/2023
Surr: Nitrobenzene-d5	*95.3*	*28-140*			*%REC*	1	11/10/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-86@3'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-18	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dibromo-3-chloropropane	ND	130	10		µg/Kg-dry	1	11/11/2023
1,2-Dibromoethane	ND	39	20		µg/Kg-dry	1	11/11/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,3,5-Trimethylbenzene	ND	130	100		µg/Kg-dry	1	11/11/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/11/2023
Acrylonitrile	ND	130	100		µg/Kg-dry	1	11/11/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/11/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/11/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/11/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/11/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Hexachloroethane	ND	130	0		µg/Kg-dry	1	11/11/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-86@3'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-18	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/11/2023
Methyl iodide	ND	660	100		µg/Kg-dry	1	11/11/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/11/2023
Methylene chloride	ND	330	100		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/11/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/11/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/11/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/11/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/11/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/11/2023
Surr: 1,2-Dichloroethane-d4	*100*	*80-120*			*%REC*	1	11/11/2023
Surr: 4-Bromofluorobenzene	*104*	*80-120*			*%REC*	1	11/11/2023
Surr: Dibromofluoromethane	*101*	*80-120*			*%REC*	1	11/11/2023
Surr: Toluene-d8	*99.0*	*80-120*			*%REC*	1	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**0.79**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-87@2'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-19	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/8/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/9/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	**2.7**	**2.0**	**2.0**		**mg/Kg-dry**	1	11/8/2023
Barium	**39**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	**1.1**	**0.20**	**0.20**		**mg/Kg-dry**	1	11/8/2023
Chromium	**5.5**	**2.0**	**2.0**		**mg/Kg-dry**	1	11/8/2023
Copper	**39**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Lead	**74**	**10**	**10**		**mg/Kg-dry**	1	11/8/2023
Selenium	ND	0.28	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.28	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**88**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/11/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/11/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/11/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/11/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/11/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/11/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/11/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/11/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/11/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/11/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/11/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/11/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/11/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/11/2023
Surr: 2-Fluorobiphenyl	*81.5*	*20-140*			*%REC*	1	11/11/2023
Surr: 4-Terphenyl-d14	*72.1*	*22-172*			*%REC*	1	11/11/2023
Surr: Nitrobenzene-d5	*93.1*	*28-140*			*%REC*	1	11/11/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **EZH**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/12/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-87@2'
Work Order: 23110435 **Collection Date:** 11/2/2023
Project: West State Street 20-393A
Lab ID: 23110435-19 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/12/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/12/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/12/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/12/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/12/2023
1,2-Dibromoethane	ND	37	20		µg/Kg-dry	1	11/12/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/12/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/12/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/12/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/12/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/12/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/12/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/12/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/12/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/12/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/12/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/12/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/12/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/12/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/12/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/12/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/12/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/12/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/12/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/12/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/12/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/12/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/12/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/12/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/12/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/12/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/12/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/12/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-87@2'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-19	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/12/2023
Methyl iodide	ND	610	100		µg/Kg-dry	1	11/12/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/12/2023
Methylene chloride	ND	310	100		µg/Kg-dry	1	11/12/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/12/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/12/2023
o-Xylene	**76**	**50**	**50**		**µg/Kg-dry**	1	11/12/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/12/2023
Tetrachloroethene	**89**	**50**	**50**		**µg/Kg-dry**	1	11/12/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/12/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/12/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/12/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/12/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/12/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/12/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/12/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/12/2023
Surr: 1,2-Dichloroethane-d4	*107*	*80-120*			*%REC*	1	11/12/2023
Surr: 4-Bromofluorobenzene	*98.4*	*80-120*			*%REC*	1	11/12/2023
Surr: Dibromofluoromethane	*102*	*80-120*			*%REC*	1	11/12/2023
Surr: Toluene-d8	*100*	*80-120*			*%REC*	1	11/12/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**5.8**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-87@5'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-20	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/8/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/9/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**2.7**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.31	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.31	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**4.5**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/11/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/11/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/11/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/11/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/11/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/11/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/11/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/11/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/11/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/11/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/11/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/11/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/11/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/11/2023
Surr: 2-Fluorobiphenyl	*89.2*	*20-140*			*%REC*	1	11/11/2023
Surr: 4-Terphenyl-d14	*80.0*	*22-172*			*%REC*	1	11/11/2023
Surr: Nitrobenzene-d5	*103*	*28-140*			*%REC*	1	11/11/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-87@5'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-20	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/11/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/11/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/11/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/11/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/11/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/11/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/11/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/11/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/11/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/11/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/11/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/11/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/11/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/11/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/11/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/11/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/11/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/11/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/11/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-87@5'
Work Order: 23110435 **Collection Date:** 11/2/2023
Project: West State Street 20-393A
Lab ID: 23110435-20 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/11/2023
Methyl iodide	ND	560	100		µg/Kg-dry	1	11/11/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/11/2023
Methylene chloride	ND	280	100		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/11/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/11/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/11/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/11/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/11/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/11/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/11/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/11/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/11/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/11/2023
Surr: 1,2-Dichloroethane-d4	*102*	*80-120*			*%REC*	1	11/11/2023
Surr: 4-Bromofluorobenzene	*102*	*80-120*			*%REC*	1	11/11/2023
Surr: Dibromofluoromethane	*101*	*80-120*			*%REC*	1	11/11/2023
Surr: Toluene-d8	*100*	*80-120*			*%REC*	1	11/11/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**4.8**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-88@2'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-21	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/8/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/9/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**4.7**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.32	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.32	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**4.2**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/11/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/11/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/11/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/11/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/11/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/11/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/11/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/11/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/11/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/11/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/11/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/11/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/11/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/11/2023
Surr: 2-Fluorobiphenyl	*85.2*	*20-140*			*%REC*	1	11/11/2023
Surr: 4-Terphenyl-d14	*76.4*	*22-172*			*%REC*	1	11/11/2023
Surr: Nitrobenzene-d5	*99.1*	*28-140*			*%REC*	1	11/11/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-88@2'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-21	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	35	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-88@2'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-21	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	590	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*102*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*97.4*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*89.9*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*98.7*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**3.1**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *14-Nov-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-88@4'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-22	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **11/8/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	11/9/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **11/7/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Barium	**2.1**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	11/8/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	11/8/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	11/8/2023
Lead	ND	10	10		mg/Kg-dry	1	11/8/2023
Selenium	ND	0.27	0.20		mg/Kg-dry	1	11/8/2023
Silver	ND	0.27	0.10		mg/Kg-dry	1	11/8/2023
Zinc	**2.5**	**1.0**	**1.0**		**mg/Kg-dry**	1	11/8/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **11/8/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	11/11/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	11/11/2023
Anthracene	ND	330	330		µg/Kg-dry	1	11/11/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	11/11/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	11/11/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	11/11/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	11/11/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	11/11/2023
Chrysene	ND	330	330		µg/Kg-dry	1	11/11/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	11/11/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	11/11/2023
Fluorene	ND	330	330		µg/Kg-dry	1	11/11/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	11/11/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/11/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	11/11/2023
Pyrene	ND	330	330		µg/Kg-dry	1	11/11/2023
Surr: 2-Fluorobiphenyl	*84.2*	*20-140*			*%REC*	1	11/11/2023
Surr: 4-Terphenyl-d14	*74.5*	*22-172*			*%REC*	1	11/11/2023
Surr: Nitrobenzene-d5	*97.4*	*28-140*			*%REC*	1	11/11/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/6/2023**		Analyst: **HJ**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** GP-88@4'
Work Order: 23110435 **Collection Date:** 11/2/2023
Project: West State Street 20-393A
Lab ID: 23110435-22 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	11/10/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	11/10/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	11/10/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	11/10/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	11/10/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	11/10/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	11/10/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	11/10/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	11/10/2023
Benzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromoform	ND	100	100		µg/Kg-dry	1	11/10/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	11/10/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	11/10/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	11/10/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Chloroform	ND	50	50		µg/Kg-dry	1	11/10/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	11/10/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	11/10/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	11/10/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	11/10/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	11/10/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	GP-88@4'
Work Order:	23110435	**Collection Date:**	11/2/2023
Project:	West State Street 20-393A		
Lab ID:	23110435-22	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	11/10/2023
Methyl iodide	ND	560	100		µg/Kg-dry	1	11/10/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	11/10/2023
Methylene chloride	ND	280	100		µg/Kg-dry	1	11/10/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	11/10/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	11/10/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	11/10/2023
Styrene	ND	50	50		µg/Kg-dry	1	11/10/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Toluene	ND	100	100		µg/Kg-dry	1	11/10/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	11/10/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	11/10/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	11/10/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	11/10/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	11/10/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	11/10/2023
Surr: 1,2-Dichloroethane-d4	*105*	*80-120*			*%REC*	1	11/10/2023
Surr: 4-Bromofluorobenzene	*94.4*	*80-120*			*%REC*	1	11/10/2023
Surr: Dibromofluoromethane	*88.0*	*80-120*			*%REC*	1	11/10/2023
Surr: Toluene-d8	*99.7*	*80-120*			*%REC*	1	11/10/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**2.7**	**0.10**	**0**		**% of sample**	1	11/8/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C.
Project: West State Street 20-393A
WorkOrder: **23110435**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

Units Reported	Description
% of sample	Percent of Sample
µg/Kg-dry	Micrograms per Kilogram Dry Weight
mg/Kg-dry	Milligrams per Kilogram Dry Weight

ALS Group, USA
Holland, Michigan

Sample Receipt Checklist

Client Name: **OTWELL** Date/Time Received: **04-Nov-23 10:00**

Work Order: **23110435** Received by: **WSK**

Checklist completed by Weston Katecki (eSignature) 05-Nov-23 (Date) Reviewed by: Tim Gates (eSignature) 06-Nov-23 (Date)

Matrices: Soil
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	4.0/4.0C	DF2	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	11/5/2023 12:19:17 PM		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

ALS Group, USA

Date: 14-Nov-23

Client: Otwell Mawby, P. C.

Work Order: 23110435

Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **228849** Instrument ID **HG5** Method: **SW7471B**

MBLK Sample ID: **MBLK-228849-228849** Units: **mg/Kg** Analysis Date: **11/9/2023 12:36 PM**

Client ID: Run ID: **HG5_231109A** SeqNo: **10184040** Prep Date: **11/8/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.020								

LCS Sample ID: **LCS-228849-228849** Units: **mg/Kg** Analysis Date: **11/9/2023 12:38 PM**

Client ID: Run ID: **HG5_231109A** SeqNo: **10184041** Prep Date: **11/8/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.165	0.020	0.1665	0	99.1	80-120	0			

MS Sample ID: **23110435-01AMS** Units: **mg/Kg** Analysis Date: **11/9/2023 01:01 PM**

Client ID: **GP-69@2'** Run ID: **HG5_231109A** SeqNo: **10184054** Prep Date: **11/8/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.2031	0.018	0.1498	0.05462	99.2	75-125	0			

MSD Sample ID: **23110435-01AMSD** Units: **mg/Kg** Analysis Date: **11/9/2023 01:04 PM**

Client ID: **GP-69@2'** Run ID: **HG5_231109A** SeqNo: **10184055** Prep Date: **11/8/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.2071	0.018	0.1532	0.05462	99.5	75-125	0.2031	1.9	35	

The following samples were analyzed in this batch:

23110435-01A	23110435-02A	23110435-03A
23110435-04A	23110435-05A	23110435-06A
23110435-07A	23110435-08A	23110435-09A
23110435-10A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110435
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **228856** Instrument ID **HG5** Method: **SW7471B**

MBLK Sample ID: **MBLK-228856-228856** Units: **mg/Kg** Analysis Date: **11/9/2023 01:32 PM**
Client ID: Run ID: **HG5_231109A** SeqNo: **10184070** Prep Date: **11/8/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.020								

LCS Sample ID: **LCS-228856-228856** Units: **mg/Kg** Analysis Date: **11/9/2023 01:33 PM**
Client ID: Run ID: **HG5_231109A** SeqNo: **10184071** Prep Date: **11/8/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1592	0.020	0.1665	0	95.6	80-120	0			

MS Sample ID: **23110435-11AMS** Units: **mg/Kg** Analysis Date: **11/9/2023 01:37 PM**
Client ID: **GP-83@2'** Run ID: **HG5_231109A** SeqNo: **10184073** Prep Date: **11/8/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1598	0.019	0.1588	-0.005354	104	75-125	0			

MSD Sample ID: **23110435-11AMSD** Units: **mg/Kg** Analysis Date: **11/9/2023 01:39 PM**
Client ID: **GP-83@2'** Run ID: **HG5_231109A** SeqNo: **10184074** Prep Date: **11/8/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1622	0.019	0.1588	-0.005354	105	75-125	0.1598	1.48	35	

The following samples were analyzed in this batch:

23110435-11A	23110435-12A	23110435-13A
23110435-14A	23110435-15A	23110435-16A
23110435-17A	23110435-18A	23110435-19A
23110435-20A	23110435-21A	23110435-22A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110435
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **228678** Instrument ID **ICPMS3** Method: **SW6020B**

MBLK Sample ID: **MBLK-228678-228678** Units: **mg/Kg** Analysis Date: **11/8/2023 04:00 AM**
Client ID: Run ID: **ICPMS3_231107B** SeqNo: **10176242** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Barium	ND	0.25								
Cadmium	ND	0.10								
Chromium	ND	0.25								
Copper	ND	0.25								
Lead	ND	0.25								
Selenium	ND	0.25								
Silver	ND	0.25								
Zinc	ND	0.50								

LCS Sample ID: **LCS-228678-228678** Units: **mg/Kg** Analysis Date: **11/8/2023 04:02 AM**
Client ID: Run ID: **ICPMS3_231107B** SeqNo: **10176243** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	2.493	0.25	2.5	0	99.7	80-120	0			
Barium	2.55	0.25	2.5	0	102	80-120	0			
Cadmium	2.503	0.10	2.5	0	100	80-120	0			
Chromium	2.529	0.25	2.5	0	101	80-120	0			
Copper	2.536	0.25	2.5	0	101	80-120	0			
Lead	2.591	0.25	2.5	0	104	80-120	0			
Selenium	2.622	0.25	2.5	0	105	80-120	0			
Silver	2.452	0.25	2.5	0	98.1	80-120	0			
Zinc	2.552	0.50	2.5	0	102	80-120	0			

MS Sample ID: **23110435-04AMS** Units: **mg/Kg** Analysis Date: **11/8/2023 04:18 AM**
Client ID: **GP-79@4'** Run ID: **ICPMS3_231107B** SeqNo: **10176252** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	3.028	0.26	2.61	0.6231	92.2	75-125	0			
Barium	5.139	0.26	2.61	2.312	108	75-125	0			
Cadmium	2.535	0.10	2.61	0	97.1	75-125	0			
Chromium	3.596	0.26	2.61	0.8737	104	75-125	0			
Copper	2.785	0.26	2.61	0.33	94.1	75-125	0			
Lead	2.991	0.26	2.61	0.4371	97.9	75-125	0			
Selenium	2.599	0.26	2.61	0	99.6	75-125	0			
Silver	2.475	0.26	2.61	0	94.8	75-125	0			
Zinc	4.017	0.52	2.61	1.409	99.9	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110435
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **228678** Instrument ID **ICPMS3** Method: **SW6020B**

MSD Sample ID: **23110435-04AMSD** Units: **mg/Kg** Analysis Date: **11/8/2023 04:20 AM**
Client ID: **GP-79@4'** Run ID: **ICPMS3_231107B** SeqNo: **10176253** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	3.155	0.26	2.561	0.6231	98.8	75-125	3.028	4.1	20	
Chromium	3.597	0.26	2.561	0.8737	106	75-125	3.596	0.0389	20	
Copper	2.839	0.26	2.561	0.33	98	75-125	2.785	1.93	20	
Selenium	3.107	0.26	2.561	0	121	75-125	2.599	17.8	20	
Silver	2.484	0.26	2.561	0	97	75-125	2.475	0.338	20	
Zinc	4.011	0.51	2.561	1.409	102	75-125	4.017	0.135	20	

MSD Sample ID: **23110435-04AMSD** Units: **mg/Kg** Analysis Date: **11/8/2023 07:09 PM**
Client ID: **GP-79@4'** Run ID: **ICPMS3_231108B** SeqNo: **10181250** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	5.437	0.26	2.561	2.312	122	75-125	5.139	5.63	20	
Cadmium	2.577	0.10	2.561	0	101	75-125	2.535	1.66	20	
Lead	3.06	0.26	2.561	0.4371	102	75-125	2.991	2.3	20	

The following samples were analyzed in this batch:

23110435-01A	23110435-02A	23110435-03A
23110435-04A	23110435-05A	23110435-06A
23110435-07A	23110435-08A	23110435-09A
23110435-10A	23110435-11A	23110435-12A
23110435-13A	23110435-14A	23110435-17A
23110435-18A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228679** Instrument ID **ICPMS3** Method: **SW6020B**

MBLK Sample ID: **MBLK-228679-228679** Units: **mg/Kg** Analysis Date: **11/8/2023 04:47 AM**
Client ID: Run ID: **ICPMS3_231107B** SeqNo: **10176268** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	ND	0.25								
Cadmium	ND	0.10								
Lead	ND	0.25								
Selenium	ND	0.25								
Silver	ND	0.25								

MBLK Sample ID: **MBLK-228679-228679** Units: **mg/Kg** Analysis Date: **11/8/2023 07:24 PM**
Client ID: Run ID: **ICPMS3_231108B** SeqNo: **10181264** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Chromium	ND	0.25								
Copper	ND	0.25								
Zinc	ND	0.50								

LCS Sample ID: **LCS-228679-228679** Units: **mg/Kg** Analysis Date: **11/8/2023 04:50 AM**
Client ID: Run ID: **ICPMS3_231107B** SeqNo: **10176269** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	2.327	0.25	2.5	0	93.1	80-120	0			
Cadmium	2.273	0.10	2.5	0	90.9	80-120	0			
Lead	2.333	0.25	2.5	0	93.3	80-120	0			
Selenium	2.29	0.25	2.5	0	91.6	80-120	0			
Silver	2.223	0.25	2.5	0	88.9	80-120	0			

LCS Sample ID: **LCS-228679-228679** Units: **mg/Kg** Analysis Date: **11/8/2023 07:25 PM**
Client ID: Run ID: **ICPMS3_231108B** SeqNo: **10181265** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	2.59	0.25	2.5	0	104	80-120	0			
Chromium	2.634	0.25	2.5	0	105	80-120	0			
Copper	2.662	0.25	2.5	0	106	80-120	0			
Zinc	2.6	0.50	2.5	0	104	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110435
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **228679** Instrument ID **ICPMS3** Method: **SW6020B**

MS Sample ID: **23110435-16AMS** Units: **mg/Kg** Analysis Date: **11/8/2023 05:47 AM**
Client ID: **GP-85@3'** Run ID: **ICPMS3_231107B** SeqNo: **10176300** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	3.142	0.26	2.601	0.5213	101	75-125	0			
Barium	5.8	0.26	2.601	3	108	75-125	0			
Cadmium	2.615	0.10	2.601	0	101	75-125	0			
Chromium	4.013	0.26	2.601	0.9936	116	75-125	0			
Copper	3.043	0.26	2.601	0.4515	99.6	75-125	0			
Lead	2.98	0.26	2.601	0.6218	90.6	75-125	0			
Selenium	2.673	0.26	2.601	0	103	75-125	0			
Silver	2.534	0.26	2.601	0	97.4	75-125	0			
Zinc	4.484	0.52	2.601	2.255	85.7	75-125	0			

MSD Sample ID: **23110435-16AMSD** Units: **mg/Kg** Analysis Date: **11/8/2023 05:49 AM**
Client ID: **GP-85@3'** Run ID: **ICPMS3_231107B** SeqNo: **10176301** Prep Date: **11/7/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	3.117	0.25	2.536	0.5213	102	75-125	3.142	0.786	20	
Barium	5.841	0.25	2.536	3	112	75-125	5.8	0.696	20	
Cadmium	2.581	0.10	2.536	0	102	75-125	2.615	1.3	20	
Chromium	4.598	0.25	2.536	0.9936	142	75-125	4.013	13.6	20	S
Copper	3.009	0.25	2.536	0.4515	101	75-125	3.043	1.13	20	
Lead	2.886	0.25	2.536	0.6218	89.3	75-125	2.98	3.21	20	
Selenium	2.652	0.25	2.536	0	105	75-125	2.673	0.792	20	
Silver	2.541	0.25	2.536	0	100	75-125	2.534	0.266	20	
Zinc	4.418	0.51	2.536	2.255	85.3	75-125	4.484	1.5	20	

The following samples were analyzed in this batch:

23110435-15A	23110435-16A	23110435-19A
23110435-20A	23110435-21A	23110435-22A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228795** Instrument ID **SVMS6** Method: **SW8270E**

MBLK Sample ID: **SBLKS1-228795-228795** Units: **µg/Kg** Analysis Date: **11/8/2023 04:31 PM**

Client ID: Run ID: **SVMS6_231108A** SeqNo: **10182803** Prep Date: **11/8/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	ND	4.2								
Acenaphthene	ND	4.2								
Acenaphthylene	ND	4.2								
Anthracene	ND	4.2								
Benzo(a)anthracene	ND	4.2								
Benzo(a)pyrene	ND	4.2								
Benzo(b)fluoranthene	ND	4.2								
Benzo(g,h,i)perylene	ND	4.2								
Benzo(k)fluoranthene	ND	4.2								
Chrysene	ND	4.2								
Dibenzo(a,h)anthracene	ND	4.2								
Fluoranthene	ND	4.2								
Fluorene	ND	4.2								
Indeno(1,2,3-cd)pyrene	ND	4.2								
Naphthalene	ND	4.2								
Phenanthrene	ND	4.2								
Pyrene	ND	4.2								
Surr: 2-Fluorobiphenyl	*583.2*	0	*666.6*	0	*87.5*	*20-140*	0			
Surr: 4-Terphenyl-d14	*530.3*	0	*666.6*	0	*79.6*	*22-172*	0			
Surr: Nitrobenzene-d5	*664.4*	0	*666.6*	0	*99.7*	*28-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110435
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **228795** Instrument ID **SVMS6** Method: **SW8270E**

LCS	Sample ID: **SLCSS1-228795-228795**				Units: **µg/Kg**		Analysis Date: **11/8/2023 05:17 PM**			
Client ID:		Run ID: **SVMS6_231108A**			SeqNo: **10182804**		Prep Date: **11/8/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	743.2	4.2	666.6	0	111	40-140	0			
Acenaphthene	721.3	4.2	666.6	0	108	40-140	0			
Acenaphthylene	698.1	4.2	666.6	0	105	40-140	0			
Anthracene	735.2	4.2	666.6	0	110	40-140	0			
Benzo(a)anthracene	684.9	4.2	666.6	0	103	40-140	0			
Benzo(a)pyrene	698.2	4.2	666.6	0	105	40-140	0			
Benzo(b)fluoranthene	602.3	4.2	666.6	0	90.4	40-140	0			
Benzo(g,h,i)perylene	596.9	4.2	666.6	0	89.5	40-140	0			
Benzo(k)fluoranthene	666.7	4.2	666.6	0	100	40-140	0			
Chrysene	745.3	4.2	666.6	0	112	40-140	0			
Dibenzo(a,h)anthracene	624.5	4.2	666.6	0	93.7	40-140	0			
Fluoranthene	734	4.2	666.6	0	110	40-140	0			
Fluorene	671.3	4.2	666.6	0	101	40-140	0			
Indeno(1,2,3-cd)pyrene	620.5	4.2	666.6	0	93.1	40-140	0			
Naphthalene	745.7	4.2	666.6	0	112	40-140	0			
Phenanthrene	712.9	4.2	666.6	0	107	40-140	0			
Pyrene	655.4	4.2	666.6	0	98.3	40-140	0			
Surr: 2-Fluorobiphenyl	*590.6*	0	*666.6*	0	*88.6*	*20-140*	0			
Surr: 4-Terphenyl-d14	*523*	0	*666.6*	0	*78.5*	*22-172*	0			
Surr: Nitrobenzene-d5	*594.5*	0	*666.6*	0	*89.2*	*28-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110435
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **228795** Instrument ID **SVMS6** Method: **SW8270E**

MS Sample ID: **23110435-02A MS** Units: **µg/Kg** Analysis Date: **11/8/2023 05:33 PM**

Client ID: **GP-69@5'** Run ID: **SVMS6_231108A** SeqNo: **10182805** Prep Date: **11/8/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	677.4	4.1	647.6	0	105	40-140	0			
Acenaphthene	714.8	4.1	647.6	0	110	40-140	0			
Acenaphthylene	690.9	4.1	647.6	0	107	40-140	0			
Anthracene	728.3	4.1	647.6	0	112	40-140	0			
Benzo(a)anthracene	685.5	4.1	647.6	0	106	40-140	0			
Benzo(a)pyrene	691.9	4.1	647.6	0	107	40-140	0			
Benzo(b)fluoranthene	589.5	4.1	647.6	0	91	40-140	0			
Benzo(g,h,i)perylene	571.6	4.1	647.6	0	88.3	40-140	0			
Benzo(k)fluoranthene	699.4	4.1	647.6	0	108	40-140	0			
Chrysene	747.2	4.1	647.6	0	115	40-140	0			
Dibenzo(a,h)anthracene	598.9	4.1	647.6	0	92.5	40-140	0			
Fluoranthene	741.8	4.1	647.6	0	115	40-140	0			
Fluorene	675.6	4.1	647.6	0	104	40-140	0			
Indeno(1,2,3-cd)pyrene	589.5	4.1	647.6	0	91	40-140	0			
Naphthalene	740	4.1	647.6	0	114	40-140	0			
Phenanthrene	714.5	4.1	647.6	0	110	40-140	0			
Pyrene	665.7	4.1	647.6	0	103	40-140	0			
Surr: 2-Fluorobiphenyl	*569.9*	0	*647.6*	0	*88*	*20-140*	0			
Surr: 4-Terphenyl-d14	*520.4*	0	*647.6*	0	*80.4*	*22-172*	0			
Surr: Nitrobenzene-d5	*594.8*	0	*647.6*	0	*91.9*	*28-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110435
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **228795** Instrument ID **SVMS6** Method: **SW8270E**

MSD Sample ID: **23110435-02A MSD** Units: **µg/Kg** Analysis Date: **11/8/2023 05:48 PM**

Client ID: **GP-69@5'** Run ID: **SVMS6_231108A** SeqNo: **10182806** Prep Date: **11/8/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	628.5	3.9	629.7	0	99.8	40-140	677.4	7.49	30	
Acenaphthene	686.9	3.9	629.7	0	109	40-140	714.8	3.98	30	
Acenaphthylene	671.7	3.9	629.7	0	107	40-140	690.9	2.81	30	
Anthracene	709.3	3.9	629.7	0	113	40-140	728.3	2.64	30	
Benzo(a)anthracene	660.9	3.9	629.7	0	105	40-140	685.5	3.65	30	
Benzo(a)pyrene	670.7	3.9	629.7	0	107	40-140	691.9	3.11	30	
Benzo(b)fluoranthene	576.2	3.9	629.7	0	91.5	40-140	589.5	2.28	30	
Benzo(g,h,i)perylene	566.8	3.9	629.7	0	90	40-140	571.6	0.843	30	
Benzo(k)fluoranthene	649.1	3.9	629.7	0	103	40-140	699.4	7.46	30	
Chrysene	716.6	3.9	629.7	0	114	40-140	747.2	4.17	30	
Dibenzo(a,h)anthracene	592.8	3.9	629.7	0	94.2	40-140	598.9	1.01	30	
Fluoranthene	702.8	3.9	629.7	0	112	40-140	741.8	5.39	30	
Fluorene	645.8	3.9	629.7	0	103	40-140	675.6	4.52	30	
Indeno(1,2,3-cd)pyrene	586.4	3.9	629.7	0	93.1	40-140	589.5	0.529	30	
Naphthalene	715.5	3.9	629.7	0	114	40-140	740	3.37	30	
Phenanthrene	685.6	3.9	629.7	0	109	40-140	714.5	4.12	30	
Pyrene	643.8	3.9	629.7	0	102	40-140	665.7	3.35	30	
Surr: 2-Fluorobiphenyl	*551.4*	0	*629.7*	0	*87.6*	*20-140*	569.9	*3.3*	*30*	
Surr: 4-Terphenyl-d14	*497.2*	0	*629.7*	0	*79*	*22-172*	520.4	*4.56*	*30*	
Surr: Nitrobenzene-d5	*576.8*	0	*629.7*	0	*91.6*	*28-140*	594.8	*3.08*	*30*	

The following samples were analyzed in this batch: 23110435-01A 23110435-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228812** Instrument ID **SVMS6** Method: **SW8270E**

MBLK Sample ID: **SBLKS1-228812-228812** Units: **µg/Kg** Analysis Date: **11/8/2023 04:46 PM**

Client ID: Run ID: **SVMS6_231108A** SeqNo: **10182831** Prep Date: **11/8/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	ND	4.2								
Acenaphthene	ND	4.2								
Acenaphthylene	ND	4.2								
Anthracene	ND	4.2								
Benzo(a)anthracene	ND	4.2								
Benzo(a)pyrene	ND	4.2								
Benzo(b)fluoranthene	ND	4.2								
Benzo(g,h,i)perylene	ND	4.2								
Benzo(k)fluoranthene	ND	4.2								
Chrysene	ND	4.2								
Dibenzo(a,h)anthracene	ND	4.2								
Fluoranthene	ND	4.2								
Fluorene	ND	4.2								
Indeno(1,2,3-cd)pyrene	ND	4.2								
Naphthalene	ND	4.2								
Phenanthrene	ND	4.2								
Pyrene	ND	4.2								
Surr: 2-Fluorobiphenyl	*545.8*	0	*666.6*	0	*81.9*	*20-140*	0			
Surr: 4-Terphenyl-d14	*465.2*	0	*666.6*	0	*69.8*	*22-172*	0			
Surr: Nitrobenzene-d5	*627.3*	0	*666.6*	0	*94.1*	*28-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228812** Instrument ID **SVMS6** Method: **SW8270E**

LCS Sample ID: **SLCSS1-228812-228812** Units: **µg/Kg** Analysis Date: **11/8/2023 05:02 PM**
Client ID: Run ID: **SVMS6_231108A** SeqNo: **10182832** Prep Date: **11/8/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	751.6	4.2	666.6	0	113	40-140	0			
Acenaphthene	732.2	4.2	666.6	0	110	40-140	0			
Acenaphthylene	705.8	4.2	666.6	0	106	40-140	0			
Anthracene	735.9	4.2	666.6	0	110	40-140	0			
Benzo(a)anthracene	670.3	4.2	666.6	0	101	40-140	0			
Benzo(a)pyrene	685.2	4.2	666.6	0	103	40-140	0			
Benzo(b)fluoranthene	608	4.2	666.6	0	91.2	40-140	0			
Benzo(g,h,i)perylene	586.9	4.2	666.6	0	88	40-140	0			
Benzo(k)fluoranthene	635.8	4.2	666.6	0	95.4	40-140	0			
Chrysene	733.2	4.2	666.6	0	110	40-140	0			
Dibenzo(a,h)anthracene	613.6	4.2	666.6	0	92.1	40-140	0			
Fluoranthene	754.3	4.2	666.6	0	113	40-140	0			
Fluorene	681.8	4.2	666.6	0	102	40-140	0			
Indeno(1,2,3-cd)pyrene	636.2	4.2	666.6	0	95.4	40-140	0			
Naphthalene	748.8	4.2	666.6	0	112	40-140	0			
Phenanthrene	721.6	4.2	666.6	0	108	40-140	0			
Pyrene	628.1	4.2	666.6	0	94.2	40-140	0			
Surr: 2-Fluorobiphenyl	*576.3*	0	*666.6*	0	*86.4*	*20-140*	0			
Surr: 4-Terphenyl-d14	*491.8*	0	*666.6*	0	*73.8*	*22-172*	0			
Surr: Nitrobenzene-d5	*584*	0	*666.6*	0	*87.6*	*28-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110435
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **228812** Instrument ID **SVMS6** Method: **SW8270E**

MS Sample ID: **23110435-06A MS** Units: **µg/Kg** Analysis Date: **11/8/2023 10:34 PM**

Client ID: **GP-80@6'** Run ID: **SVMS6_231108A** SeqNo: **10182834** Prep Date: **11/8/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	676	4.1	657.6	0	103	40-140	0			
Acenaphthene	751.1	4.1	657.6	0	114	40-140	0			
Acenaphthylene	740.5	4.1	657.6	0	113	40-140	0			
Anthracene	779.6	4.1	657.6	0	119	40-140	0			
Benzo(a)anthracene	723.9	4.1	657.6	0	110	40-140	0			
Benzo(a)pyrene	725.3	4.1	657.6	0	110	40-140	0			
Benzo(b)fluoranthene	678.1	4.1	657.6	0	103	40-140	0			
Benzo(g,h,i)perylene	376.5	4.1	657.6	0	57.3	40-140	0			
Benzo(k)fluoranthene	723.7	4.1	657.6	0	110	40-140	0			
Chrysene	761.3	4.1	657.6	0	116	40-140	0			
Dibenzo(a,h)anthracene	465.4	4.1	657.6	0	70.8	40-140	0			
Fluoranthene	821.4	4.1	657.6	0	125	40-140	0			
Fluorene	715.2	4.1	657.6	0	109	40-140	0			
Indeno(1,2,3-cd)pyrene	481.2	4.1	657.6	0	73.2	40-140	0			
Naphthalene	779.4	4.1	657.6	0	119	40-140	0			
Phenanthrene	752.4	4.1	657.6	0	114	40-140	0			
Pyrene	616.1	4.1	657.6	0	93.7	40-140	0			
Surr: 2-Fluorobiphenyl	*599.3*	0	*657.6*	0	*91.1*	*20-140*	0			
Surr: 4-Terphenyl-d14	*472.3*	0	*657.6*	0	*71.8*	*22-172*	0			
Surr: Nitrobenzene-d5	*620.8*	0	*657.6*	0	*94.4*	*28-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110435
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **228812** Instrument ID **SVMS6** Method: **SW8270E**

MSD	Sample ID: **23110435-06A MSD**				Units: **µg/Kg**		Analysis Date: **11/8/2023 10:50 PM**			
Client ID: **GP-80@6'**	Run ID: **SVMS6_231108A**				SeqNo: **10182836**		Prep Date: **11/8/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	792.2	4.1	659.1	0	120	40-140	676	15.8	30	
Acenaphthene	742.8	4.1	659.1	0	113	40-140	751.1	1.11	30	
Acenaphthylene	728.1	4.1	659.1	0	110	40-140	740.5	1.69	30	
Anthracene	765.7	4.1	659.1	0	116	40-140	779.6	1.8	30	
Benzo(a)anthracene	712.1	4.1	659.1	0	108	40-140	723.9	1.65	30	
Benzo(a)pyrene	707.4	4.1	659.1	0	107	40-140	725.3	2.51	30	
Benzo(b)fluoranthene	677.9	4.1	659.1	0	103	40-140	678.1	0.0254	30	
Benzo(g,h,i)perylene	374.4	4.1	659.1	0	56.8	40-140	376.5	0.572	30	
Benzo(k)fluoranthene	695.4	4.1	659.1	0	106	40-140	723.7	3.98	30	
Chrysene	744.7	4.1	659.1	0	113	40-140	761.3	2.2	30	
Dibenzo(a,h)anthracene	456.5	4.1	659.1	0	69.3	40-140	465.4	1.93	30	
Fluoranthene	808.1	4.1	659.1	0	123	40-140	821.4	1.63	30	
Fluorene	712.9	4.1	659.1	0	108	40-140	715.2	0.326	30	
Indeno(1,2,3-cd)pyrene	464.7	4.1	659.1	0	70.5	40-140	481.2	3.5	30	
Naphthalene	767	4.1	659.1	0	116	40-140	779.4	1.6	30	
Phenanthrene	743.7	4.1	659.1	0	113	40-140	752.4	1.17	30	
Pyrene	617.9	4.1	659.1	0	93.7	40-140	616.1	0.285	30	
Surr: 2-Fluorobiphenyl	*582.9*	0	*659.1*	0	*88.4*	*20-140*	599.3	*2.78*	*30*	
Surr: 4-Terphenyl-d14	*472.6*	0	*659.1*	0	*71.7*	*22-172*	472.3	*0.0813*	*30*	
Surr: Nitrobenzene-d5	*601.2*	0	*659.1*	0	*91.2*	*28-140*	620.8	*3.21*	*30*	

The following samples were analyzed in this batch:

23110435-05A	23110435-06A	23110435-07A
23110435-08A	23110435-09A	23110435-10A
23110435-11A	23110435-12A	23110435-13A
23110435-14A	23110435-15A	23110435-16A
23110435-17A	23110435-18A	23110435-19A
23110435-20A	23110435-21A	23110435-22A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228900** Instrument ID **SVMS6** Method: **SW8270E**

MBLK Sample ID: **SBLKS1-228900-228900** Units: **µg/Kg** Analysis Date: **11/9/2023 03:31 PM**
Client ID: Run ID: **SVMS6_231109A** SeqNo: **10189011** Prep Date: **11/9/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	ND	4.2	0	0	0		0			
Acenaphthene	ND	4.2	0	0	0	0-0	0			
Acenaphthylene	ND	4.2	0	0	0	0-0	0			
Anthracene	ND	4.2	0	0	0	0-0	0			
Benzo(a)anthracene	ND	4.2	0	0	0	0-0	0			
Benzo(a)pyrene	ND	4.2	0	0	0	0-0	0			
Benzo(b)fluoranthene	ND	4.2	0	0	0	0-0	0			
Benzo(g,h,i)perylene	ND	4.2	0	0	0	0-0	0			
Benzo(k)fluoranthene	ND	4.2	0	0	0	0-0	0			
Chrysene	ND	4.2	0	0	0	0-0	0			
Dibenzo(a,h)anthracene	ND	4.2	0	0	0	0-0	0			
Fluoranthene	ND	4.2	0	0	0	0-0	0			
Fluorene	ND	4.2	0	0	0	0-0	0			
Indeno(1,2,3-cd)pyrene	ND	4.2	0	0	0	0-0	0			
Naphthalene	ND	4.2	0	0	0	0-0	0			
Phenanthrene	ND	4.2	0	0	0	0-0	0			
Pyrene	ND	4.2	0	0	0	0-0	0			
Surr: 2-Fluorobiphenyl	*575.8*	0	*666.6*	0	*86.4*	*20-140*	0			
Surr: 4-Terphenyl-d14	*567.2*	0	*666.6*	0	*85.1*	*22-172*	0			
Surr: Nitrobenzene-d5	*671.7*	0	*666.6*	0	*101*	*28-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110435
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **228900** Instrument ID **SVMS6** Method: **SW8270E**

LCS	Sample ID: **SLCSS1-228900-228900**				Units: **µg/Kg**		Analysis Date: **11/9/2023 03:46 PM**			
Client ID:		Run ID: **SVMS6_231109A**			SeqNo: **10189012**		Prep Date: **11/9/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	945.7	4.2	666.6	0	142	30-150	0			
Acenaphthene	760.5	4.2	666.6	0	114	47-140	0			
Acenaphthylene	736.3	4.2	666.6	0	110	45-132	0			
Anthracene	762.2	4.2	666.6	0	114	50-142	0			
Benzo(a)anthracene	747.4	4.2	666.6	0	112	45-143	0			
Benzo(a)pyrene	762.8	4.2	666.6	0	114	41-141	0			
Benzo(b)fluoranthene	660.3	4.2	666.6	0	99.1	40-140	0			
Benzo(g,h,i)perylene	697.8	4.2	666.6	0	105	31-158	0			
Benzo(k)fluoranthene	734.2	4.2	666.6	0	110	40-140	0			
Chrysene	800.3	4.2	666.6	0	120	46-150	0			
Dibenzo(a,h)anthracene	715.1	4.2	666.6	0	107	33-152	0			
Fluoranthene	785.1	4.2	666.6	0	118	49-140	0			
Fluorene	710.3	4.2	666.6	0	107	43-140	0			
Indeno(1,2,3-cd)pyrene	729.9	4.2	666.6	0	110	29-153	0			
Naphthalene	786.9	4.2	666.6	0	118	47-142	0			
Phenanthrene	756.5	4.2	666.6	0	113	44-140	0			
Pyrene	738.4	4.2	666.6	0	111	36-142	0			
Surr: 2-Fluorobiphenyl	*597*	0	*666.6*	0	*89.6*	*20-140*	0			
Surr: 4-Terphenyl-d14	*589.8*	0	*666.6*	0	*88.5*	*22-172*	0			
Surr: Nitrobenzene-d5	*650*	0	*666.6*	0	*97.5*	*28-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110435
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **228900** Instrument ID **SVMS6** Method: **SW8270E**

MS Sample ID: **23110435-03A MS** Units: **µg/Kg** Analysis Date: **11/9/2023 07:54 PM**

Client ID: **GP-79@2'** Run ID: **SVMS6_231109A** SeqNo: **10189013** Prep Date: **11/9/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	811.5	4.1	650.4	0	125	30-150	0			
Acenaphthene	734.7	4.1	650.4	0	113	47-140	0			
Acenaphthylene	715.3	4.1	650.4	0	110	45-132	0			
Anthracene	760.1	4.1	650.4	0	117	50-142	0			
Benzo(a)anthracene	731	4.1	650.4	0	112	45-143	0			
Benzo(a)pyrene	754.1	4.1	650.4	0	116	41-141	0			
Benzo(b)fluoranthene	678.2	4.1	650.4	0	104	40-140	0			
Benzo(g,h,i)perylene	570.5	4.1	650.4	0	87.7	31-158	0			
Benzo(k)fluoranthene	777.9	4.1	650.4	0	120	40-140	0			
Chrysene	792.3	4.1	650.4	0	122	46-150	0			
Dibenzo(a,h)anthracene	600.5	4.1	650.4	0	92.3	33-152	0			
Fluoranthene	767.1	4.1	650.4	0	118	49-140	0			
Fluorene	698.6	4.1	650.4	0	107	43-140	0			
Indeno(1,2,3-cd)pyrene	616.9	4.1	650.4	0	94.8	29-153	0			
Naphthalene	769	4.1	650.4	0	118	47-142	0			
Phenanthrene	735.4	4.1	650.4	0	113	44-140	0			
Pyrene	768.1	4.1	650.4	0	118	36-142	0			
Surr: 2-Fluorobiphenyl	*578.1*	0	*650.4*	0	*88.9*	*20-140*	0			
Surr: 4-Terphenyl-d14	*619.8*	0	*650.4*	0	*95.3*	*22-172*	0			
Surr: Nitrobenzene-d5	*638.3*	0	*650.4*	0	*98.1*	*28-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110435
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **228900** Instrument ID **SVMS6** Method: **SW8270E**

MSD Sample ID: **23110435-03A MSD** Units: **µg/Kg** Analysis Date: **11/9/2023 08:10 PM**

Client ID: **GP-79@2'** Run ID: **SVMS6_231109A** SeqNo: **10189014** Prep Date: **11/9/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	765.6	4.1	648.5	0	118	30-150	811.5	5.82	30	
Acenaphthene	724.5	4.1	648.5	0	112	47-140	734.7	1.39	30	
Acenaphthylene	709	4.1	648.5	0	109	45-132	715.3	0.896	30	
Anthracene	743.9	4.1	648.5	0	115	50-142	760.1	2.15	30	
Benzo(a)anthracene	724.4	4.1	648.5	0	112	45-143	731	0.901	30	
Benzo(a)pyrene	745.7	4.1	648.5	0	115	41-141	754.1	1.11	30	
Benzo(b)fluoranthene	673.8	4.1	648.5	0	104	40-140	678.2	0.65	30	
Benzo(g,h,i)perylene	555.9	4.1	648.5	0	85.7	31-158	570.5	2.6	30	
Benzo(k)fluoranthene	765.4	4.1	648.5	0	118	40-140	777.9	1.61	30	
Chrysene	785.2	4.1	648.5	0	121	46-150	792.3	0.898	30	
Dibenzo(a,h)anthracene	588.9	4.1	648.5	0	90.8	33-152	600.5	1.95	30	
Fluoranthene	752.8	4.1	648.5	0	116	49-140	767.1	1.89	30	
Fluorene	690.6	4.1	648.5	0	106	43-140	698.6	1.15	30	
Indeno(1,2,3-cd)pyrene	584.9	4.1	648.5	0	90.2	29-153	616.9	5.33	30	
Naphthalene	757.9	4.1	648.5	0	117	47-142	769	1.45	30	
Phenanthrene	726.9	4.1	648.5	0	112	44-140	735.4	1.16	30	
Pyrene	763.6	4.1	648.5	0	118	36-142	768.1	0.582	30	
Surr: 2-Fluorobiphenyl	*571.4*	0	*648.5*	0	*88.1*	*20-140*	578.1	*1.18*	*30*	
Surr: 4-Terphenyl-d14	*610.4*	0	*648.5*	0	*94.1*	*22-172*	619.8	*1.53*	*30*	
Surr: Nitrobenzene-d5	*620.5*	0	*648.5*	0	*95.7*	*28-140*	638.3	*2.82*	*30*	

The following samples were analyzed in this batch: 23110435-03A 23110435-04A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228666** Instrument ID **VMS7** Method: **SW8260D**

MBLK Sample ID: **MBLK-228666-228666** Units: **µg/Kg-dry** Analysis Date: **11/7/2023 01:06 PM**
Client ID: Run ID: **VMS7_231107A** SeqNo: **10175676** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	30								
1,1,1-Trichloroethane	ND	30								
1,1,2,2-Tetrachloroethane	ND	30								
1,1,2-Trichloroethane	ND	30								
1,1,2-Trichlorotrifluoroethane	ND	30								
1,1-Dichloroethane	ND	30								
1,1-Dichloroethene	ND	30								
1,2,3-Trichloropropane	ND	30								
1,2,3-Trimethylbenzene	ND	30								
1,2,4-Trichlorobenzene	ND	100								
1,2,4-Trimethylbenzene	ND	30								
1,2-Dibromo-3-chloropropane	ND	100								
1,2-Dibromoethane	ND	30								
1,2-Dichlorobenzene	ND	30								
1,2-Dichloroethane	ND	30								
1,2-Dichloropropane	ND	30								
1,3,5-Trimethylbenzene	ND	100								
1,3-Dichlorobenzene	ND	30								
1,4-Dichlorobenzene	ND	30								
2-Butanone	ND	200								
2-Hexanone	ND	30								
2-Methylnaphthalene	ND	100								
4-Methyl-2-pentanone	ND	30								
Acetone	ND	100								
Acrylonitrile	ND	100								
Benzene	ND	30								
Bromochloromethane	ND	30								
Bromodichloromethane	ND	30								
Bromoform	ND	30								
Bromomethane	ND	100								
Carbon disulfide	ND	30								
Carbon tetrachloride	ND	30								
Chlorobenzene	ND	30								
Chloroethane	ND	100								
Chloroform	ND	30								
Chloromethane	ND	100								
cis-1,2-Dichloroethene	ND	30								
cis-1,3-Dichloropropene	ND	30								
Dibromochloromethane	ND	30								
Dibromomethane	ND	30								
Dichlorodifluoromethane	ND	100								
Diethyl ether	ND	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228666** Instrument ID **VMS7** Method: **SW8260D**

Ethylbenzene	ND	30					
Hexachloroethane	ND	100					
Isopropylbenzene	ND	30					
m,p-Xylene	ND	60					
Methyl iodide	ND	500					
Methyl tert-butyl ether	ND	30					
Methylene chloride	ND	250					
Naphthalene	ND	100					
n-Propylbenzene	ND	30					
o-Xylene	ND	30					
Styrene	ND	30					
Tetrachloroethene	ND	30					
Toluene	ND	30					
trans-1,2-Dichloroethene	ND	30					
trans-1,3-Dichloropropene	ND	30					
trans-1,4-Dichloro-2-butene	ND	30					
Trichloroethene	ND	30					
Trichlorofluoromethane	ND	30					
Vinyl acetate	ND	250					
Vinyl chloride	ND	30					
Xylenes, Total	ND	90					
Surr: 1,2-Dichloroethane-d4	*1044*	0	*1000*	0	*104*	*80-120*	0
Surr: 4-Bromofluorobenzene	*975*	0	*1000*	0	*97.5*	*80-120*	0
Surr: Dibromofluoromethane	*980.5*	0	*1000*	0	*98*	*80-120*	0
Surr: Toluene-d8	*1030*	0	*1000*	0	*103*	*80-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110435
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **228666** Instrument ID **VMS7** Method: **SW8260D**

LCS	Sample ID: **LCS-228666-228666**				Units: **µg/Kg-dry**		Analysis Date: **11/7/2023 12:14 PM**			
Client ID:	Run ID: **VMS7_231107A**				SeqNo: **10175671**		Prep Date: **11/6/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	937	30	1000	0	93.7	72-120	0			
1,1,1-Trichloroethane	907.5	30	1000	0	90.8	75-121	0			
1,1,2,2-Tetrachloroethane	1033	30	1000	0	103	79-125	0			
1,1,2-Trichloroethane	945	30	1000	0	94.5	80-123	0			
1,1,2-Trichlorotrifluoroethane	935.5	30	1000	0	93.6	62-129	0			
1,1-Dichloroethane	944	30	1000	0	94.4	74-124	0			
1,1-Dichloroethene	953.5	30	1000	0	95.4	68-131	0			
1,2,3-Trichloropropane	1028	30	1000	0	103	77-121	0			
1,2,3-Trimethylbenzene	892	30	1000	0	89.2	76-127	0			
1,2,4-Trichlorobenzene	890.5	100	1000	0	89	63-130	0			
1,2,4-Trimethylbenzene	877.5	30	1000	0	87.8	64-126	0			
1,2-Dibromo-3-chloropropane	1155	100	1000	0	116	55-135	0			
1,2-Dibromoethane	1008	30	1000	0	101	63-155	0			
1,2-Dichlorobenzene	922	30	1000	0	92.2	77-122	0			
1,2-Dichloroethane	962	30	1000	0	96.2	70-130	0			
1,2-Dichloropropane	927.5	30	1000	0	92.8	71-130	0			
1,3,5-Trimethylbenzene	904.5	100	1000	0	90.4	66-130	0			
1,3-Dichlorobenzene	937	30	1000	0	93.7	78-121	0			
1,4-Dichlorobenzene	958.5	30	1000	0	95.8	78-122	0			
2-Butanone	857.5	200	1000	0	85.8	47-164	0			
2-Hexanone	878.5	30	1000	0	87.8	70-137	0			
2-Methylnaphthalene	971	100	1000	0	97.1	50-150	0			
4-Methyl-2-pentanone	1322	30	1000	0	132	57-200	0			
Acetone	962	100	1000	0	96.2	52-190	0			
Acrylonitrile	935.5	100	1000	0	93.6	61-142	0			
Benzene	973	30	1000	0	97.3	78-122	0			
Bromochloromethane	1034	30	1000	0	103	68-130	0			
Bromodichloromethane	949.5	30	1000	0	95	75-125	0			
Bromoform	808	30	1000	0	80.8	59-120	0			
Bromomethane	1127	100	1000	0	113	31-169	0			
Carbon disulfide	987.5	30	1000	0	98.8	60-163	0			
Carbon tetrachloride	839.5	30	1000	0	84	69-123	0			
Chlorobenzene	936	30	1000	0	93.6	79-120	0			
Chloroethane	921	100	1000	0	92.1	38-132	0			
Chloroform	967.5	30	1000	0	96.8	72-122	0			
Chloromethane	950.5	100	1000	0	95	24-119	0			
cis-1,2-Dichloroethene	954	30	1000	0	95.4	74-125	0			
cis-1,3-Dichloropropene	866.5	30	1000	0	86.6	62-124	0			
Dibromochloromethane	847	30	1000	0	84.7	57-123	0			
Dibromomethane	993.5	30	1000	0	99.4	70-128	0			
Dichlorodifluoromethane	725	100	1000	0	72.5	28-137	0			
Diethyl ether	993	30	1000	0	99.3	65-159	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228666** Instrument ID **VMS7** Method: **SW8260D**

Ethylbenzene	923	30	1000	0	92.3	75-121	0
Hexachloroethane	757	100	1000	0	75.7	57-134	0
Isopropylbenzene	896	30	1000	0	89.6	74-121	0
m,p-Xylene	1846	60	2000	0	92.3	67-129	0
Methyl iodide	1789	500	1000	0	179	10-200	0
Methyl tert-butyl ether	948	30	1000	0	94.8	79-139	0
Methylene chloride	969	250	1000	0	96.9	62-135	0
Naphthalene	850	100	1000	0	85	53-135	0
n-Propylbenzene	876	30	1000	0	87.6	65-128	0
o-Xylene	928.5	30	1000	0	92.8	75-120	0
Styrene	1009	30	1000	0	101	74-126	0
Tetrachloroethene	916.5	30	1000	0	91.6	76-128	0
Toluene	943.5	30	1000	0	94.4	76-120	0
trans-1,2-Dichloroethene	973	30	1000	0	97.3	72-127	0
trans-1,3-Dichloropropene	841.5	30	1000	0	84.2	66-120	0
trans-1,4-Dichloro-2-butene	671	30	1000	0	67.1	56-122	0
Trichloroethene	918	30	1000	0	91.8	75-122	0
Trichlorofluoromethane	873.5	30	1000	0	87.4	51-115	0
Vinyl chloride	892	30	1000	0	89.2	43-128	0
Xylenes, Total	2775	90	3000	0	92.5	67-129	0
Surr: 1,2-Dichloroethane-d4	*1006*	0	*1000*	0	*101*	*80-120*	0
Surr: 4-Bromofluorobenzene	*1036*	0	*1000*	0	*104*	*80-120*	0
Surr: Dibromofluoromethane	*1000*	0	*1000*	0	*100*	*80-120*	0
Surr: Toluene-d8	*960.5*	0	*1000*	0	*96*	*80-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110435
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **228666** Instrument ID **VMS7** Method: **SW8260D**

MS	Sample ID: **23110375-02B MS**				Units: **µg/Kg-dry**		Analysis Date: **11/10/2023 08:25 AM**			
Client ID:		Run ID: **VMS8_231109B**			SeqNo: **10190473**		Prep Date: **11/6/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1045	30	988.1	0	106	72-120	0			
1,1,1-Trichloroethane	1084	30	988.1	0	110	75-121	0			
1,1,2,2-Tetrachloroethane	136.4	30	988.1	0	13.8	79-125	0			S
1,1,2-Trichloroethane	1036	30	988.1	0	105	80-123	0			
1,1,2-Trichlorotrifluoroethane	1034	30	988.1	0	105	62-129	0			
1,1-Dichloroethane	1031	30	988.1	0	104	74-124	0			
1,1-Dichloroethene	1064	30	988.1	0	108	68-131	0			
1,2,3-Trichloropropane	1050	30	988.1	0	106	77-121	0			
1,2,3-Trimethylbenzene	955.5	30	988.1	0	96.7	76-127	0			
1,2,4-Trichlorobenzene	1016	99	988.1	0	103	63-130	0			
1,2,4-Trimethylbenzene	1060	30	988.1	0	107	64-126	0			
1,2-Dibromo-3-chloropropane	910.1	99	988.1	0	92.1	55-135	0			
1,2-Dibromoethane	980.2	30	988.1	0	99.2	63-155	0			
1,2-Dichlorobenzene	978.3	30	988.1	0	99	77-122	0			
1,2-Dichloroethane	1014	30	988.1	0	103	70-130	0			
1,2-Dichloropropane	1056	30	988.1	0	107	71-130	0			
1,3,5-Trimethylbenzene	1087	99	988.1	0	110	66-130	0			
1,3-Dichlorobenzene	1002	30	988.1	0	101	78-121	0			
1,4-Dichlorobenzene	1019	30	988.1	0	103	78-122	0			
2-Butanone	1443	200	988.1	0	146	47-164	0			
2-Hexanone	1320	30	988.1	0	134	70-137	0			
2-Methylnaphthalene	1578	99	988.1	0	160	50-150	0			S
4-Methyl-2-pentanone	1001	30	988.1	0	101	57-200	0			
Acetone	2285	99	988.1	0	231	52-190	0			S
Acrylonitrile	893.3	99	988.1	0	90.4	61-142	0			
Benzene	1089	30	988.1	0	110	78-122	0			
Bromochloromethane	1084	30	988.1	0	110	68-130	0			
Bromodichloromethane	1012	30	988.1	0	102	75-125	0			
Bromoform	829.1	30	988.1	0	83.9	59-120	0			
Bromomethane	960.5	99	988.1	0	97.2	31-169	0			
Carbon disulfide	1022	30	988.1	0	103	60-163	0			
Carbon tetrachloride	1042	30	988.1	0	106	69-123	0			
Chlorobenzene	1071	30	988.1	0	108	79-120	0			
Chloroethane	904.2	99	988.1	0	91.5	38-132	0			
Chloroform	1048	30	988.1	0	106	72-122	0			
Chloromethane	816.2	99	988.1	0	82.6	24-119	0			
cis-1,2-Dichloroethene	1061	30	988.1	0	107	74-125	0			
cis-1,3-Dichloropropene	895.3	30	988.1	0	90.6	62-124	0			
Dibromochloromethane	930.8	30	988.1	0	94.2	57-123	0			
Dibromomethane	1005	30	988.1	0	102	70-128	0			
Dichlorodifluoromethane	791.5	99	988.1	0	80.1	28-137	0			
Diethyl ether	990.6	30	988.1	0	100	65-159	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228666** Instrument ID **VMS7** Method: **SW8260D**

Ethylbenzene	1158	30	988.1	0	117	75-121	0	
Hexachloroethane	811.3	99	988.1	0	82.1	57-134	0	
Isopropylbenzene	1110	30	988.1	0	112	74-121	0	
m,p-Xylene	2313	59	1976	0	117	67-129	0	
Methyl iodide	2002	490	988.1	0	203	10-200	0	S
Methyl tert-butyl ether	1029	30	988.1	0	104	79-139	0	
Methylene chloride	1054	250	988.1	0	107	62-135	0	
Naphthalene	1113	99	988.1	0	113	53-135	0	
n-Propylbenzene	1020	30	988.1	0	103	65-128	0	
o-Xylene	1149	30	988.1	0	116	75-120	0	
Styrene	1068	30	988.1	0	108	74-126	0	
Tetrachloroethene	1981	30	988.1	0	201	76-128	0	S
Toluene	1080	30	988.1	0	109	76-120	0	
trans-1,2-Dichloroethene	1101	30	988.1	0	111	72-127	0	
trans-1,3-Dichloropropene	1042	30	988.1	0	105	66-120	0	
trans-1,4-Dichloro-2-butene	720.4	30	988.1	0	72.9	56-122	0	
Trichloroethene	1740	30	988.1	0	176	75-122	0	S
Trichlorofluoromethane	1050	30	988.1	0	106	51-115	0	
Vinyl chloride	967.9	30	988.1	0	97.9	43-128	0	
Xylenes, Total	3462	89	2964	0	117	67-129	0	
Surr: 1,2-Dichloroethane-d4	*959.5*	0	*988.1*	0	*97.1*	*80-120*	0	
Surr: 4-Bromofluorobenzene	*1012*	0	*988.1*	0	*102*	*80-120*	0	
Surr: Dibromofluoromethane	*980.7*	0	*988.1*	0	*99.3*	*80-120*	0	
Surr: Toluene-d8	*982.7*	0	*988.1*	0	*99.5*	*80-120*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110435
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **228666** Instrument ID **VMS7** Method: **SW8260D**

MSD	Sample ID: **23110375-02B MSD**				Units: **µg/Kg-dry**		Analysis Date: **11/10/2023 08:45 AM**			
Client ID:		Run ID: **VMS8_231109B**			SeqNo: **10190474**		Prep Date: **11/6/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1073	30	988.1	0	109	72-120	1045	2.66	30	
1,1,1-Trichloroethane	1099	30	988.1	0	111	75-121	1084	1.4	30	
1,1,2,2-Tetrachloroethane	129.9	30	988.1	0	13.2	79-125	136.4	4.82	30	S
1,1,2-Trichloroethane	1093	30	988.1	0	111	80-123	1036	5.38	30	
1,1,2-Trichlorotrifluoroethane	1102	30	988.1	0	112	62-129	1034	6.34	30	
1,1-Dichloroethane	1105	30	988.1	0	112	74-124	1031	6.89	30	
1,1-Dichloroethene	1055	30	988.1	0	107	68-131	1064	0.839	30	
1,2,3-Trichloropropane	1086	30	988.1	0	110	77-121	1050	3.38	30	
1,2,3-Trimethylbenzene	989.6	30	988.1	0	100	76-127	955.5	3.51	30	
1,2,4-Trichlorobenzene	1055	99	988.1	0	107	63-130	1016	3.77	30	
1,2,4-Trimethylbenzene	1127	30	988.1	0	114	64-126	1060	6.15	30	
1,2-Dibromo-3-chloropropane	897.7	99	988.1	0	90.8	55-135	910.1	1.37	30	
1,2-Dibromoethane	1047	30	988.1	0	106	63-155	980.2	6.58	30	
1,2-Dichlorobenzene	985.7	30	988.1	0	99.8	77-122	978.3	0.755	30	
1,2-Dichloroethane	1033	30	988.1	0	105	70-130	1014	1.83	30	
1,2-Dichloropropane	1118	30	988.1	0	113	71-130	1056	5.64	30	
1,3,5-Trimethylbenzene	1169	99	988.1	0	118	66-130	1087	7.27	30	
1,3-Dichlorobenzene	1032	30	988.1	0	104	78-121	1002	2.87	30	
1,4-Dichlorobenzene	1006	30	988.1	0	102	78-122	1019	1.27	30	
2-Butanone	1512	200	988.1	0	153	47-164	1443	4.68	30	
2-Hexanone	1467	30	988.1	0	148	70-137	1320	10.6	30	S
2-Methylnaphthalene	1688	99	988.1	0	171	50-150	1578	6.78	30	S
4-Methyl-2-pentanone	1084	30	988.1	0	110	57-200	1001	7.91	30	
Acetone	2329	99	988.1	0	236	52-190	2285	1.93	30	S
Acrylonitrile	996	99	988.1	0	101	61-142	893.3	10.9	30	
Benzene	1146	30	988.1	0	116	78-122	1089	5.04	30	
Bromochloromethane	1063	30	988.1	0	108	68-130	1084	2.02	30	
Bromodichloromethane	1050	30	988.1	0	106	75-125	1012	3.74	30	
Bromoform	898.7	30	988.1	0	90.9	59-120	829.1	8.06	30	
Bromomethane	1077	99	988.1	0	109	31-169	960.5	11.4	30	
Carbon disulfide	1137	30	988.1	0	115	60-163	1022	10.7	30	
Carbon tetrachloride	1089	30	988.1	0	110	69-123	1042	4.36	30	
Chlorobenzene	1107	30	988.1	0	112	79-120	1071	3.36	30	
Chloroethane	993.1	99	988.1	0	101	38-132	904.2	9.38	30	
Chloroform	1093	30	988.1	0	111	72-122	1048	4.2	30	
Chloromethane	818.7	99	988.1	0	82.9	24-119	816.2	0.302	30	
cis-1,2-Dichloroethene	1100	30	988.1	0	111	74-125	1061	3.61	30	
cis-1,3-Dichloropropene	925.9	30	988.1	0	93.7	62-124	895.3	3.36	30	
Dibromochloromethane	990.6	30	988.1	0	100	57-123	930.8	6.22	30	
Dibromomethane	1046	30	988.1	0	106	70-128	1005	4	30	
Dichlorodifluoromethane	818.2	99	988.1	0	82.8	28-137	791.5	3.31	30	
Diethyl ether	1063	30	988.1	0	108	65-159	990.6	7.07	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **228666** Instrument ID **VMS7** Method: **SW8260D**

Ethylbenzene	1228	30	988.1	0	124	75-121	1158	5.88	30	S
Hexachloroethane	847.8	99	988.1	0	85.8	57-134	811.3	4.41	30	
Isopropylbenzene	1180	30	988.1	0	119	74-121	1110	6.13	30	
m,p-Xylene	2473	59	1976	0	125	67-129	2313	6.67	30	
Methyl iodide	2116	490	988.1	0	214	10-200	2002	5.49	30	S
Methyl tert-butyl ether	1111	30	988.1	0	112	79-139	1029	7.67	30	
Methylene chloride	1105	250	988.1	0	112	62-135	1054	4.72	30	
Naphthalene	1154	99	988.1	0	117	53-135	1113	3.62	30	
n-Propylbenzene	1085	30	988.1	0	110	65-128	1020	6.19	30	
o-Xylene	1198	30	988.1	0	121	75-120	1149	4.13	30	S
Styrene	1135	30	988.1	0	115	74-126	1068	6.15	30	
Tetrachloroethene	2127	30	988.1	0	215	76-128	1981	7.12	30	S
Toluene	1157	30	988.1	0	117	76-120	1080	6.85	30	
trans-1,2-Dichloroethene	1175	30	988.1	0	119	72-127	1101	6.51	30	
trans-1,3-Dichloropropene	1084	30	988.1	0	110	66-120	1042	3.9	30	
trans-1,4-Dichloro-2-butene	780.1	30	988.1	0	78.9	56-122	720.4	7.97	30	
Trichloroethene	1786	30	988.1	0	181	75-122	1740	2.61	30	S
Trichlorofluoromethane	1003	30	988.1	0	102	51-115	1050	4.57	30	
Vinyl chloride	1029	30	988.1	0	104	43-128	967.9	6.14	30	
Xylenes, Total	3670	89	2964	0	124	67-129	3462	5.83	30	
Surr: 1,2-Dichloroethane-d4	*968.9*	0	*988.1*	0	*98.1*	*80-120*	959.5	*0.974*	*30*	
Surr: 4-Bromofluorobenzene	*1018*	0	*988.1*	0	*103*	*80-120*	1012	*0.632*	*30*	
Surr: Dibromofluoromethane	*955.5*	0	*988.1*	0	*96.7*	*80-120*	980.7	*2.6*	*30*	
Surr: Toluene-d8	*989.1*	0	*988.1*	0	*100*	*80-120*	982.7	*0.651*	*30*	

The following samples were analyzed in this batch: 23110435-01B 23110435-02B 23110435-03B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228697** Instrument ID **VMS8** Method: **SW8260D**

MBLK Sample ID: **MBLK-228697-228697** Units: **µg/Kg-dry** Analysis Date: **11/10/2023 09:10 PM**
Client ID: Run ID: **VMS8_231110B** SeqNo: **10192213** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	30								
1,1,1-Trichloroethane	ND	30								
1,1,2,2-Tetrachloroethane	ND	30								
1,1,2-Trichloroethane	ND	30								
1,1,2-Trichlorotrifluoroethane	ND	30								
1,1-Dichloroethane	ND	30								
1,1-Dichloroethene	ND	30								
1,2,3-Trichloropropane	ND	30								
1,2,3-Trimethylbenzene	ND	30								
1,2,4-Trichlorobenzene	ND	100								
1,2,4-Trimethylbenzene	ND	30								
1,2-Dibromo-3-chloropropane	ND	100								
1,2-Dibromoethane	ND	30								
1,2-Dichlorobenzene	ND	30								
1,2-Dichloroethane	ND	30								
1,2-Dichloropropane	ND	30								
1,3,5-Trimethylbenzene	ND	100								
1,3-Dichlorobenzene	ND	30								
1,4-Dichlorobenzene	ND	30								
2-Butanone	ND	200								
2-Hexanone	ND	30								
2-Methylnaphthalene	ND	100								
4-Methyl-2-pentanone	ND	30								
Acetone	ND	100								
Acrylonitrile	ND	100								
Benzene	ND	30								
Bromochloromethane	ND	30								
Bromodichloromethane	ND	30								
Bromoform	ND	30								
Bromomethane	ND	100								
Carbon disulfide	ND	30								
Carbon tetrachloride	ND	30								
Chlorobenzene	ND	30								
Chloroethane	ND	100								
Chloroform	ND	30								
Chloromethane	ND	100								
cis-1,2-Dichloroethene	ND	30								
cis-1,3-Dichloropropene	ND	30								
Dibromochloromethane	ND	30								
Dibromomethane	ND	30								
Dichlorodifluoromethane	ND	100								
Diethyl ether	ND	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228697** Instrument ID **VMS8** Method: **SW8260D**

Ethylbenzene	ND	30					
Hexachloroethane	ND	100					
Isopropylbenzene	ND	30					
m,p-Xylene	ND	60					
Methyl iodide	ND	500					
Methyl tert-butyl ether	ND	30					
Methylene chloride	ND	250					
Naphthalene	ND	100					
n-Propylbenzene	ND	30					
o-Xylene	ND	30					
Styrene	ND	30					
Tetrachloroethene	ND	30					
Toluene	ND	30					
trans-1,2-Dichloroethene	ND	30					
trans-1,3-Dichloropropene	ND	30					
trans-1,4-Dichloro-2-butene	ND	30					
Trichloroethene	ND	30					
Trichlorofluoromethane	ND	30					
Vinyl acetate	ND	250					
Vinyl chloride	ND	30					
Xylenes, Total	ND	90					
Surr: 1,2-Dichloroethane-d4	*1014*	0	*1000*	0	*101*	*80-120*	0
Surr: 4-Bromofluorobenzene	*1038*	0	*1000*	0	*104*	*80-120*	0
Surr: Dibromofluoromethane	*1006*	0	*1000*	0	*101*	*80-120*	0
Surr: Toluene-d8	*997*	0	*1000*	0	*99.7*	*80-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110435
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **228697** Instrument ID **VMS8** Method: **SW8260D**

LCS	Sample ID: **LCS-228697-228697**				Units: **µg/Kg-dry**		Analysis Date: **11/10/2023 08:16 PM**			
Client ID:		Run ID: **VMS8_231110B**			SeqNo: **10192211**		Prep Date: **11/6/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1084	30	1000	0	108	72-120	0			
1,1,1-Trichloroethane	1024	30	1000	0	102	75-121	0			
1,1,2,2-Tetrachloroethane	1042	30	1000	0	104	79-125	0			
1,1,2-Trichloroethane	1099	30	1000	0	110	80-123	0			
1,1,2-Trichlorotrifluoroethane	1032	30	1000	0	103	62-129	0			
1,1-Dichloroethane	1024	30	1000	0	102	74-124	0			
1,1-Dichloroethene	1051	30	1000	0	105	68-131	0			
1,2,3-Trichloropropane	1098	30	1000	0	110	77-121	0			
1,2,3-Trimethylbenzene	1034	30	1000	0	103	76-127	0			
1,2,4-Trichlorobenzene	1056	100	1000	0	106	63-130	0			
1,2,4-Trimethylbenzene	1094	30	1000	0	109	64-126	0			
1,2-Dibromo-3-chloropropane	1042	100	1000	0	104	55-135	0			
1,2-Dibromoethane	1038	30	1000	0	104	63-155	0			
1,2-Dichlorobenzene	1040	30	1000	0	104	77-122	0			
1,2-Dichloroethane	1008	30	1000	0	101	70-130	0			
1,2-Dichloropropane	1050	30	1000	0	105	71-130	0			
1,3,5-Trimethylbenzene	1154	100	1000	0	115	66-130	0			
1,3-Dichlorobenzene	1065	30	1000	0	106	78-121	0			
1,4-Dichlorobenzene	1060	30	1000	0	106	78-122	0			
2-Butanone	1006	200	1000	0	101	47-164	0			
2-Hexanone	1137	30	1000	0	114	70-137	0			
2-Methylnaphthalene	1104	100	1000	0	110	50-150	0			
4-Methyl-2-pentanone	1016	30	1000	0	102	57-200	0			
Acetone	1008	100	1000	0	101	52-190	0			
Acrylonitrile	957.5	100	1000	0	95.8	61-142	0			
Benzene	1076	30	1000	0	108	78-122	0			
Bromochloromethane	1117	30	1000	0	112	68-130	0			
Bromodichloromethane	1034	30	1000	0	103	75-125	0			
Bromoform	891.5	30	1000	0	89.2	59-120	0			
Bromomethane	854.5	100	1000	0	85.4	31-169	0			
Carbon disulfide	1094	30	1000	0	109	60-163	0			
Carbon tetrachloride	996.5	30	1000	0	99.6	69-123	0			
Chlorobenzene	1084	30	1000	0	108	79-120	0			
Chloroethane	1004	100	1000	0	100	38-132	0			
Chloroform	1016	30	1000	0	102	72-122	0			
Chloromethane	802	100	1000	0	80.2	24-119	0			
cis-1,2-Dichloroethene	1075	30	1000	0	108	74-125	0			
cis-1,3-Dichloropropene	975	30	1000	0	97.5	62-124	0			
Dibromochloromethane	962	30	1000	0	96.2	57-123	0			
Dibromomethane	1050	30	1000	0	105	70-128	0			
Dichlorodifluoromethane	667.5	100	1000	0	66.8	28-137	0			
Diethyl ether	989	30	1000	0	98.9	65-159	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228697** Instrument ID **VMS8** Method: **SW8260D**

Ethylbenzene	1178	30	1000	0	118	75-121	0
Hexachloroethane	863.5	100	1000	0	86.4	57-134	0
Isopropylbenzene	1140	30	1000	0	114	74-121	0
m,p-Xylene	2355	60	2000	0	118	67-129	0
Methyl iodide	1758	500	1000	0	176	10-200	0
Methyl tert-butyl ether	1038	30	1000	0	104	79-139	0
Methylene chloride	993	250	1000	0	99.3	62-135	0
Naphthalene	1116	100	1000	0	112	53-135	0
n-Propylbenzene	1032	30	1000	0	103	65-128	0
o-Xylene	1154	30	1000	0	115	75-120	0
Styrene	1112	30	1000	0	111	74-126	0
Tetrachloroethene	1194	30	1000	0	119	76-128	0
Toluene	1081	30	1000	0	108	76-120	0
trans-1,2-Dichloroethene	1085	30	1000	0	108	72-127	0
trans-1,3-Dichloropropene	1120	30	1000	0	112	66-120	0
trans-1,4-Dichloro-2-butene	833.5	30	1000	0	83.4	56-122	0
Trichloroethene	973.5	30	1000	0	97.4	75-122	0
Trichlorofluoromethane	948	30	1000	0	94.8	51-115	0
Vinyl chloride	909.5	30	1000	0	91	43-128	0
Xylenes, Total	3509	90	3000	0	117	67-129	0
Surr: 1,2-Dichloroethane-d4	*1002*	0	*1000*	0	*100*	*80-120*	0
Surr: 4-Bromofluorobenzene	*1028*	0	*1000*	0	*103*	*80-120*	0
Surr: Dibromofluoromethane	*984.5*	0	*1000*	0	*98.4*	*80-120*	0
Surr: Toluene-d8	*1001*	0	*1000*	0	*100*	*80-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110435
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **228697** Instrument ID **VMS8** Method: **SW8260D**

MS	Sample ID: **23110435-04B MS**				Units: **µg/Kg-dry**		Analysis Date: **11/11/2023 03:30 AM**			
Client ID: **GP-79@4'**	Run ID: **VMS8_231110B**				SeqNo: **10192234**		Prep Date: **11/6/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1229	34	1146	0	107	72-120	0			
1,1,1-Trichloroethane	1276	34	1146	0	111	75-121	0			
1,1,2,2-Tetrachloroethane	1123	34	1146	0	98.1	79-125	0			
1,1,2-Trichloroethane	1259	34	1146	0	110	80-123	0			
1,1,2-Trichlorotrifluoroethane	1242	34	1146	0	108	62-129	0			
1,1-Dichloroethane	1103	34	1146	0	96.3	74-124	0			
1,1-Dichloroethene	1288	34	1146	0	112	68-131	0			
1,2,3-Trichloropropane	1224	34	1146	0	107	77-121	0			
1,2,3-Trimethylbenzene	1148	34	1146	0	100	76-127	0			
1,2,4-Trichlorobenzene	1217	110	1146	17.76	105	63-130	0			
1,2,4-Trimethylbenzene	1323	34	1146	0	115	64-126	0			
1,2-Dibromo-3-chloropropane	1033	110	1146	0	90.1	55-135	0			
1,2-Dibromoethane	1241	34	1146	0	108	63-155	0			
1,2-Dichlorobenzene	1195	34	1146	0	104	77-122	0			
1,2-Dichloroethane	1175	34	1146	0	103	70-130	0			
1,2-Dichloropropane	1226	34	1146	0	107	71-130	0			
1,3,5-Trimethylbenzene	1357	110	1146	0	118	66-130	0			
1,3-Dichlorobenzene	1194	34	1146	0	104	78-121	0			
1,4-Dichlorobenzene	1219	34	1146	0	106	78-122	0			
2-Butanone	1409	230	1146	0	123	47-164	0			
2-Hexanone	1632	34	1146	0	142	70-137	0			S
2-Methylnaphthalene	1692	110	1146	0	148	50-150	0			
4-Methyl-2-pentanone	1201	34	1146	16.04	103	57-200	0			
Acetone	2010	110	1146	26.35	173	52-190	0			
Acrylonitrile	953.3	110	1146	0	83.2	61-142	0			
Benzene	1313	34	1146	0	115	78-122	0			
Bromochloromethane	1224	34	1146	0	107	68-130	0			
Bromodichloromethane	1176	34	1146	0	103	75-125	0			
Bromoform	976.2	34	1146	0	85.2	59-120	0			
Bromomethane	964.2	110	1146	0	84.2	31-169	0			
Carbon disulfide	1295	34	1146	0	113	60-163	0			
Carbon tetrachloride	1211	34	1146	0	106	69-123	0			
Chlorobenzene	1294	34	1146	0	113	79-120	0			
Chloroethane	1034	110	1146	0	90.3	38-132	0			
Chloroform	1182	34	1146	0	103	72-122	0			
Chloromethane	937.8	110	1146	0	81.9	24-119	0			
cis-1,2-Dichloroethene	1203	34	1146	0	105	74-125	0			
cis-1,3-Dichloropropene	1074	34	1146	0	93.7	62-124	0			
Dibromochloromethane	1109	34	1146	0	96.7	57-123	0			
Dibromomethane	1208	34	1146	0	105	70-128	0			
Dichlorodifluoromethane	882.8	110	1146	0	77.1	28-137	0			
Diethyl ether	1133	34	1146	0	98.9	65-159	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **228697** Instrument ID **VMS8** Method: **SW8260D**

Ethylbenzene	1443	34	1146	0	126	75-121	0	S
Hexachloroethane	972.8	110	1146	0	84.9	57-134	0	
Isopropylbenzene	1408	34	1146	0	123	74-121	0	S
m,p-Xylene	2850	69	2292	0	124	67-129	0	
Methyl iodide	2196	570	1146	0	192	10-200	0	
Methyl tert-butyl ether	1215	34	1146	0	106	79-139	0	
Methylene chloride	784.3	290	1146	0	68.5	62-135	0	
Naphthalene	1312	110	1146	25.78	112	53-135	0	
n-Propylbenzene	1282	34	1146	0	112	65-128	0	
o-Xylene	1400	34	1146	0	122	75-120	0	S
Styrene	1310	34	1146	0	114	74-126	0	
Tetrachloroethene	2444	34	1146	0	213	76-128	0	S
Toluene	1326	34	1146	0	116	76-120	0	
trans-1,2-Dichloroethene	1300	34	1146	0	113	72-127	0	
trans-1,3-Dichloropropene	1276	34	1146	0	111	66-120	0	
trans-1,4-Dichloro-2-butene	878.8	34	1146	0	76.7	56-122	0	
Trichloroethene	1291	34	1146	0	113	75-122	0	
Trichlorofluoromethane	1295	34	1146	0	113	51-115	0	
Vinyl chloride	1156	34	1146	0	101	43-128	0	
Xylenes, Total	4249	100	3437	0	124	67-129	0	
Surr: 1,2-Dichloroethane-d4	*1130*	0	*1146*	0	*98.6*	*80-120*	0	
Surr: 4-Bromofluorobenzene	*1181*	0	*1146*	0	*103*	*80-120*	0	
Surr: Dibromofluoromethane	*1140*	0	*1146*	0	*99.5*	*80-120*	0	
Surr: Toluene-d8	*1152*	0	*1146*	0	*101*	*80-120*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110435
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **228697** Instrument ID **VMS8** Method: **SW8260D**

MSD Sample ID: **23110435-04B MSD** Units: **µg/Kg-dry** Analysis Date: **11/11/2023 03:48 AM**
Client ID: **GP-79@4'** Run ID: **VMS8_231110B** SeqNo: **10192235** Prep Date: **11/6/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1224	34	1146	0	107	72-120	1229	0.373	30	
1,1,1-Trichloroethane	1321	34	1146	0	115	75-121	1276	3.49	30	
1,1,2,2-Tetrachloroethane	1145	34	1146	0	99.9	79-125	1123	1.87	30	
1,1,2-Trichloroethane	1286	34	1146	0	112	80-123	1259	2.12	30	
1,1,2-Trichlorotrifluoroethane	1278	34	1146	0	112	62-129	1242	2.86	30	
1,1-Dichloroethane	1135	34	1146	0	99.1	74-124	1103	2.82	30	
1,1-Dichloroethene	1225	34	1146	0	107	68-131	1288	5.01	30	
1,2,3-Trichloropropane	1223	34	1146	0	107	77-121	1224	0.094	30	
1,2,3-Trimethylbenzene	1187	34	1146	0	104	76-127	1148	3.34	30	
1,2,4-Trichlorobenzene	1292	110	1146	17.76	111	63-130	1217	5.98	30	
1,2,4-Trimethylbenzene	1330	34	1146	0	116	64-126	1323	0.519	30	
1,2-Dibromo-3-chloropropane	1111	110	1146	0	97	55-135	1033	7.32	30	
1,2-Dibromoethane	1188	34	1146	0	104	63-155	1241	4.34	30	
1,2-Dichlorobenzene	1211	34	1146	0	106	77-122	1195	1.29	30	
1,2-Dichloroethane	1186	34	1146	0	103	70-130	1175	0.922	30	
1,2-Dichloropropane	1275	34	1146	0	111	71-130	1226	3.89	30	
1,3,5-Trimethylbenzene	1377	110	1146	0	120	66-130	1357	1.47	30	
1,3-Dichlorobenzene	1267	34	1146	0	111	78-121	1194	5.87	30	
1,4-Dichlorobenzene	1251	34	1146	0	109	78-122	1219	2.6	30	
2-Butanone	1520	230	1146	0	133	47-164	1409	7.59	30	
2-Hexanone	1620	34	1146	0	141	70-137	1632	0.74	30	S
2-Methylnaphthalene	1663	110	1146	0	145	50-150	1692	1.74	30	
4-Methyl-2-pentanone	1198	34	1146	16.04	103	57-200	1201	0.239	30	
Acetone	2375	110	1146	26.35	205	52-190	2010	16.6	30	S
Acrylonitrile	1120	110	1146	0	97.7	61-142	953.3	16.1	30	
Benzene	1325	34	1146	0	116	78-122	1313	0.913	30	
Bromochloromethane	1259	34	1146	0	110	68-130	1224	2.77	30	
Bromodichloromethane	1215	34	1146	0	106	75-125	1176	3.26	30	
Bromoform	1038	34	1146	0	90.6	59-120	976.2	6.14	30	
Bromomethane	967.6	110	1146	0	84.5	31-169	964.2	0.356	30	
Carbon disulfide	1332	34	1146	0	116	60-163	1295	2.79	30	
Carbon tetrachloride	1263	34	1146	0	110	69-123	1211	4.21	30	
Chlorobenzene	1294	34	1146	0	113	79-120	1294	0.0441	30	
Chloroethane	911.5	110	1146	0	79.6	38-132	1034	12.6	30	
Chloroform	1201	34	1146	0	105	72-122	1182	1.63	30	
Chloromethane	938.4	110	1146	0	81.9	24-119	937.8	0.0611	30	
cis-1,2-Dichloroethene	1270	34	1146	0	111	74-125	1203	5.42	30	
cis-1,3-Dichloropropene	1095	34	1146	0	95.6	62-124	1074	1.96	30	
Dibromochloromethane	1088	34	1146	0	95	57-123	1109	1.83	30	
Dibromomethane	1231	34	1146	0	107	70-128	1208	1.88	30	
Dichlorodifluoromethane	926.4	110	1146	0	80.9	28-137	882.8	4.81	30	
Diethyl ether	1140	34	1146	0	99.5	65-159	1133	0.604	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110435
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **228697**	Instrument ID **VMS8**		Method: **SW8260D**							
Ethylbenzene	1432	34	1146	0	125	75-121	1443	0.797	30	S
Hexachloroethane	1030	110	1146	0	89.9	57-134	972.8	5.72	30	
Isopropylbenzene	1425	34	1146	0	124	74-121	1408	1.21	30	S
m,p-Xylene	2904	69	2292	0	127	67-129	2850	1.89	30	
Methyl iodide	2131	570	1146	0	186	10-200	2196	2.99	30	
Methyl tert-butyl ether	1215	34	1146	0	106	79-139	1215	0	30	
Methylene chloride	746.5	290	1146	0	65.2	62-135	784.3	4.94	30	
Naphthalene	1376	110	1146	25.78	118	53-135	1312	4.73	30	
n-Propylbenzene	1267	34	1146	0	111	65-128	1282	1.17	30	
o-Xylene	1388	34	1146	0	121	75-120	1400	0.822	30	S
Styrene	1290	34	1146	0	113	74-126	1310	1.59	30	
Tetrachloroethene	2253	34	1146	0	197	76-128	2444	8.15	30	S
Toluene	1327	34	1146	0	116	76-120	1326	0.13	30	
trans-1,2-Dichloroethene	1339	34	1146	0	117	72-127	1300	3	30	
trans-1,3-Dichloropropene	1243	34	1146	0	108	66-120	1276	2.68	30	
trans-1,4-Dichloro-2-butene	908.6	34	1146	0	79.3	56-122	878.8	3.33	30	
Trichloroethene	1310	34	1146	0	114	75-122	1291	1.45	30	
Trichlorofluoromethane	1110	34	1146	0	96.9	51-115	1295	15.4	30	
Vinyl chloride	1166	34	1146	0	102	43-128	1156	0.839	30	
Xylenes, Total	4292	100	3437	0	125	67-129	4249	1.01	30	
Surr: 1,2-Dichloroethane-d4	*1137*	0	*1146*	0	*99.2*	*80-120*	1130	*0.557*	*30*	
Surr: 4-Bromofluorobenzene	*1172*	0	*1146*	0	*102*	*80-120*	1181	*0.78*	*30*	
Surr: Dibromofluoromethane	*1111*	0	*1146*	0	*97*	*80-120*	1140	*2.6*	*30*	
Surr: Toluene-d8	*1107*	0	*1146*	0	*96.7*	*80-120*	1152	*3.95*	*30*	

The following samples were analyzed in this batch:

23110435-04B	23110435-05B	23110435-06B
23110435-07B	23110435-08B	23110435-09B
23110435-10B	23110435-11B	23110435-12B
23110435-13B	23110435-14B	23110435-15B
23110435-16B	23110435-17B	23110435-18B
23110435-19B	23110435-20B	23110435-21B
23110435-22B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110435
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **R388655** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **WBLKS-R388655** Units: **% of sample** Analysis Date: **11/8/2023 02:15 PM**
Client ID: Run ID: **MOIST_231108A** SeqNo: **10182476** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.10								

LCS Sample ID: **LCS-R388655** Units: **% of sample** Analysis Date: **11/8/2023 02:15 PM**
Client ID: Run ID: **MOIST_231108A** SeqNo: **10182475** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.10	100	0	100	98-102	0			

DUP Sample ID: **23110435-04C DUP** Units: **% of sample** Analysis Date: **11/8/2023 02:15 PM**
Client ID: **GP-79@4'** Run ID: **MOIST_231108A** SeqNo: **10182460** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	1.39	0.10	0	0	0	0-0	1.47	5.59	10	

DUP Sample ID: **23110623-01B DUP** Units: **% of sample** Analysis Date: **11/8/2023 02:15 PM**
Client ID: Run ID: **MOIST_231108A** SeqNo: **10182473** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	13.51	0.10	0	0	0	0-0	13.72	1.54	10	

The following samples were analyzed in this batch:

23110435-01A	23110435-02A	23110435-03C
23110435-04C	23110435-05C	23110435-06C
23110435-07C	23110435-08C	23110435-09C
23110435-10C	23110435-11C	23110435-12C
23110435-13C		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23110435
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **R388656** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **WBLKS-R388656** Units: **% of sample** Analysis Date: **11/8/2023 02:32 PM**
Client ID: Run ID: **MOIST_231108B** SeqNo: **10182500** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.10								

LCS Sample ID: **LCS-R388656** Units: **% of sample** Analysis Date: **11/8/2023 02:32 PM**
Client ID: Run ID: **MOIST_231108B** SeqNo: **10182499** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.10	100	0	100	98-102	0			

DUP Sample ID: **23110156-02C DUP** Units: **% of sample** Analysis Date: **11/8/2023 02:32 PM**
Client ID: Run ID: **MOIST_231108B** SeqNo: **10182479** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	27.54	0.10	0	0	0	0-0	27.78	0.868	10	

DUP Sample ID: **23110435-14C DUP** Units: **% of sample** Analysis Date: **11/8/2023 02:32 PM**
Client ID: **GP-84@4'** Run ID: **MOIST_231108B** SeqNo: **10182490** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	1.55	0.10	0	0	0	0-0	1.68	8.05	10	

The following samples were analyzed in this batch:

23110435-14C	23110435-15C	23110435-16C
23110435-17C	23110435-18C	23110435-19C
23110435-20C	23110435-21C	23110435-22C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

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Traverse City, Michigan 49686
(Tel) 231.421.3204
(Cell) 231.944.3459

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Page 1 of 3

☐ ALS Environmental
3352 128th Avenue
Holland, Michigan 49424
(Tel) 616.399.6070
(Fax) 616.399.6185

ALS Project Manager:	Gary Byar	ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	West State Street	A	VOCs (Full List)
Work Order		Project Number	20-393A	B	Moisture
Company Name	Otwell Mawby, P. C.	Bill To Company	Otwell Mawby, P. C.	C	PNAs
PNA		Invoice Attn.	James Jackson	D	10 MI Metals
Address	309 E Front St. Suite 200	Address	309 E Front St. Suite 200	E	
				F	
City/State/Zip	Traverse City, MI 49684	City/State/Zip	Traverse City, MI 49684	G	
Phone	231-946-5200	Phone	231-946-5200	H	
Fax	231-946-5216	Fax	231-946-5216	I	
e-Mail Address	jjackson@otwellmawby.com			J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	G
1	GP-69 @ 2'	11/2/2023		Soil		2	X	X	X	X			
2	GP-69 @ 5'	11/2/2023		Soil		3	X	X	X	X			
3	GP-79 @ 2'	11/2/2023		Soil		3	X	X	X	X			
4	GP-79 @ 4'	11/2/2023		Soil		3	X	X	X	X			
5	GP-80 @ 3'	11/2/2023		Soil		3	X	X	X	X			
6	GP-80 @ 6'	11/2/2023		Soil		3	X	X	X	X			
7	GP-81 @ 1.5'	11/2/2023		Soil		3	X	X	X	X			
8	GP-81 @ 4'	11/2/2023		Soil		3	X	X	X	X			
9	GP-82 @ 1.5'	11/2/2023		Soil		3	X	X	X	X			
10	GP-82 @ 4'	11/2/2023		Soil		3	X	X	X	X			

Sampler(s): Please Print & Sign
Steve Hernstreet

Shipment Method:

Required Turnaround Time: (Check Box) ☐ 10 Wk Days ☑ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	11-3-23	1430		11/3/23	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:
TH to fedex	11/3/23		Fedex	11/4/23	9100
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		
	11/5/23	1209	TG		

Notes:
Color: _____ Odor: _____

ALS Cooler ID	Cooler Temp
	4.0
	DF2

QC Package: (Check Box Below)
☑ Level II: Standard QC ☐ Level III: Raw Data
☐ TRRP LRC ☐ TRRP Level IV
☐ Level IV: SW846 Methods/CLP like
☐ Other: _____

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

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☐ ALS Environmental
3352 128th Avenue
Holland, Michigan 49424
(Tel) 616.399.6070
(Fax) 616.399.6185

ALS Project Manager:	Gary Byar	ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	West State Street	A	VOCs (Full List)
Work Order		Project Number	20-393A	B	Moisture
Company Name	Otwell Mawby, P. C.	Bill To Company	Otwell Mawby, P. C.	C	PNAs
PNA		Invoice Attn.	James Jackson	D	10 MI Metals
Address	309 E Front St. Suite 200	Address	309 E Front St. Suite 200	E	
				F	
City/State/Zip	Traverse City, MI 49684	City/State/Zip	Traverse City, MI 49684	G	
Phone	231-946-5200	Phone	231-946-5200	H	
Fax	231-946-5216	Fax	231-946-5216	I	
e-Mail Address	jjackson@otwellmawby.com			J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	J	Hold
1	GP-83 @ 2'	11/2/2023		Soil		3	X	X	X	X			
2	GP-83 @ 5'	11/2/2023		Soil		3	X	X	X	X			
3	GP-84 @ 1.5'	11/2/2023		Soil		3	X	X	X	X			
4	GP-84 @ 4'	11/2/2023		Soil		3	X	X	X	X			
5	GP-85 @ 1'	11/2/2023		Soil		3	X	X	X	X			
6	GP-85 @ 3'	11/2/2023		Soil		3	X	X	X	X			
7	GP-86 @ 2'	11/2/2023		Soil		3	X	X	X	X			
8	GP-86 @ 3'	11/2/2023		Soil		3	X	X	X	X			
9	GP-87 @ 2'	11/2/2023		Soil		3	X	X	X	X			
10	GP-87 @ 5'	11/2/2023		Soil		3	X	X	X	X			

Sampler(s): Please Print & Sign
Steve Hemstreet

Shipment Method:

Required Turnaround Time: (Check Box) ☐ 10 Wk Days ☑ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Notes:
	11-3-23	1450		11/3/23		Color: Odor:
Relinquished by: TG to fedex	Date: 11/3/23	Time:	Received by (Laboratory): FedEx	Date: 11/4/23	Time: 1000	
Logged by (Laboratory):	Date: 11/5/23	Time: 1209	Checked by (Laboratory): TG			

ALS Cooler ID	Cooler Temp	QC Package: (Check Box Below)
	4.0°C	☑ Level II: Standard QC ☐ Level III: Raw Data
	DFT	☐ TRRP LRC ☐ TRRP Level IV
		☐ Level IV: SW846 Methods/CLP like
		☐ Other:

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

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☐ ALS Environmental
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Holland, Michigan 49424
(Tel) 616.399.6070
(Fax) 616.399.6185

ALS Project Manager: Gary Byar | **ALS Work Order #:**

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	West State Street	A	VOCs (Full List)
Work Order		Project Number	20-393A	B	Moisture
Company Name	Otwell Mawby, P. C.	Bill To Company	Otwell Mawby, P. C.	C	PNAs
PNA		Invoice Attn.	James Jackson	D	10 MI Metals
Address	309 E Front St. Suite 200	Address	309 E Front St. Suite 200	E	
City/State/Zip	Traverse City, MI 49684	City/State/Zip	Traverse City, MI 49684	F	
Phone	231-946-5200	Phone	231-946-5200	G	
Fax	231-946-5216	Fax	231-946-5216	H	
e-Mail Address	jjackson@otwellmawby.com			I	
				J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	J	Hold
1	GP-88 @ 2'	11/2/2023		Soil		2	X	X	X	X				
2	GP-88 @ 4'	11/2/2023		Soil		3	X	X	X	X				
3														
4														
5														
6														
7														
8														
9														
10														

23110435
OTWFI I : Otwell Mawby, P. C.
Project: Otwell - West State Street 20-393A

Sampler(s): Please Print & Sign
Steve Hemstreet

Shipment Method:

Required Turnaround Time: (Check Box) ☐ Other
☐ 10 Wk Days ☑ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	11-3-23	1450		11/3/23	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:
TG to fedex	11/3/23		Fedex ~~Custody~~	11/4/23	1000
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		
	11/5/23	1201	TG		

Notes:
Color: _____ Odor: _____

ALS Cooler ID	Cooler Temp	QC Package: (Check Box Below)	
	4.0°C	☑ Level II: Standard QC	☐ Level III: Raw Data
	DF2	☐ TRRP LRC	☐ TRRP Level IV
		☐ Level IV: SW846 Methods/CLP like	
		☐ Other:	

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

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08-Dec-2023

James Jackson
Otwell Mawby, P. C.
309 E Front St.
Suite #200
Traverse City, MI 49684

Re: **West State Street 20-393A** Work Order: **23112457**

Dear James,

ALS Environmental received 6 samples on 30-Nov-2023 09:30 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

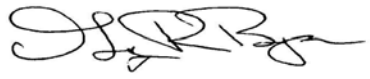
Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 28.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,



Electronically approved by: Tim Gates

Gary Byar
Project Manager

ALS Group, USA

Date: 08-Dec-23

Client: Otwell Mawby, P. C.
Project: West State Street 20-393A
Work Order: **23112457**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
23112457-01	HA-10 @ 3'	Soil		11/27/2023	11/30/2023 09:30	☐
23112457-02	HA-10 @ 5'	Soil		11/27/2023	11/30/2023 09:30	☐
23112457-03	HA-11 @ 2'	Soil		11/27/2023	11/30/2023 09:30	☐
23112457-04	HA-11 @ 4'	Soil		11/27/2023	11/30/2023 09:30	☐
23112457-05	HA-11 @ 6'	Soil		11/27/2023	11/30/2023 09:30	☐
23112457-06	HA-11 @ 8'	Soil		11/27/2023	11/30/2023 09:30	☐

Client: Otwell Mawby, P. C.
Project: West State Street 20-393A
Work Order: 23112457

Case Narrative

Batch R390651, Method SW3550C: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

ALS Group, USA

Date: *08-Dec-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-10 @ 3'
Work Order:	23112457	**Collection Date:**	11/27/2023
Project:	West State Street 20-393A		
Lab ID:	23112457-01	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/30/2023**		Analyst: **BAM**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	12/6/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	12/6/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	12/6/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	12/6/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	12/6/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
1,2-Dibromo-3-chloropropane	ND	160	10		µg/Kg-dry	1	12/6/2023
1,2-Dibromoethane	ND	48	20		µg/Kg-dry	1	12/6/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,3,5-Trimethylbenzene	ND	160	100		µg/Kg-dry	1	12/6/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	12/6/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	12/6/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	12/6/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	12/6/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	12/6/2023
Acrylonitrile	ND	160	100		µg/Kg-dry	1	12/6/2023
Benzene	ND	50	50		µg/Kg-dry	1	12/6/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	12/6/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	12/6/2023
Bromoform	ND	100	100		µg/Kg-dry	1	12/6/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	12/6/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	12/6/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	12/6/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	12/6/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	12/6/2023
Chloroform	ND	50	50		µg/Kg-dry	1	12/6/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	12/6/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/6/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	12/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-10 @ 3'
Work Order: 23112457 **Collection Date:** 11/27/2023
Project: West State Street 20-393A
Lab ID: 23112457-01 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	12/6/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	12/6/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	12/6/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	12/6/2023
Hexachloroethane	ND	160	0		µg/Kg-dry	1	12/6/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	12/6/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	12/6/2023
Methyl iodide	ND	800	100		µg/Kg-dry	1	12/6/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	12/6/2023
Methylene chloride	ND	400	100		µg/Kg-dry	1	12/6/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	12/6/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	12/6/2023
Styrene	ND	50	50		µg/Kg-dry	1	12/6/2023
Tetrachloroethene	**680**	**50**	**50**		**µg/Kg-dry**	1	12/6/2023
Toluene	ND	100	100		µg/Kg-dry	1	12/6/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/6/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	12/6/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	12/6/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	12/6/2023
Vinyl chloride	ND	48	40		µg/Kg-dry	1	12/6/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	12/6/2023
Surr: 1,2-Dichloroethane-d4	*100*	*80-120*			*%REC*	1	12/6/2023
Surr: 4-Bromofluorobenzene	*99.2*	*80-120*			*%REC*	1	12/6/2023
Surr: Dibromofluoromethane	*80.8*	*80-120*			*%REC*	1	12/6/2023
Surr: Toluene-d8	*96.5*	*80-120*			*%REC*	1	12/6/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**15**	**0.10**	**0**		**% of sample**	1	12/5/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *08-Dec-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-10 @ 5'
Work Order:	23112457	**Collection Date:**	11/27/2023
Project:	West State Street 20-393A		
Lab ID:	23112457-02	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/30/2023**		Analyst: **BAM**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	12/6/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	12/6/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	12/6/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	12/6/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	12/6/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
1,2-Dibromo-3-chloropropane	ND	95	10		µg/Kg-dry	1	12/6/2023
1,2-Dibromoethane	ND	28	20		µg/Kg-dry	1	12/6/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,3,5-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	12/6/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	12/6/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	12/6/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	12/6/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	12/6/2023
Acrylonitrile	ND	100	100		µg/Kg-dry	1	12/6/2023
Benzene	ND	50	50		µg/Kg-dry	1	12/6/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	12/6/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	12/6/2023
Bromoform	ND	100	100		µg/Kg-dry	1	12/6/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	12/6/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	12/6/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	12/6/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	12/6/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	12/6/2023
Chloroform	ND	50	50		µg/Kg-dry	1	12/6/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	12/6/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/6/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	12/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-10 @ 5'
Work Order: 23112457 **Collection Date:** 11/27/2023
Project: West State Street 20-393A
Lab ID: 23112457-02 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	12/6/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	12/6/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	12/6/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	12/6/2023
Hexachloroethane	ND	95	0		µg/Kg-dry	1	12/6/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	12/6/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	12/6/2023
Methyl iodide	ND	470	100		µg/Kg-dry	1	12/6/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	12/6/2023
Methylene chloride	ND	240	100		µg/Kg-dry	1	12/6/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	12/6/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	12/6/2023
Styrene	ND	50	50		µg/Kg-dry	1	12/6/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
Toluene	ND	100	100		µg/Kg-dry	1	12/6/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/6/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	12/6/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	12/6/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	12/6/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	12/6/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	12/6/2023
Surr: 1,2-Dichloroethane-d4	*102*	*80-120*			*%REC*	1	12/6/2023
Surr: 4-Bromofluorobenzene	*101*	*80-120*			*%REC*	1	12/6/2023
Surr: Dibromofluoromethane	*85.3*	*80-120*			*%REC*	1	12/6/2023
Surr: Toluene-d8	*102*	*80-120*			*%REC*	1	12/6/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**0.47**	**0.10**	**0**		**% of sample**	1	12/5/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *08-Dec-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-11 @ 2'
Work Order:	23112457	**Collection Date:**	11/27/2023
Project:	West State Street 20-393A		
Lab ID:	23112457-03	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/30/2023**		Analyst: **BAM**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	12/6/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	12/6/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	12/6/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	12/6/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	12/6/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
1,2-Dibromo-3-chloropropane	ND	150	10		µg/Kg-dry	1	12/6/2023
1,2-Dibromoethane	ND	44	20		µg/Kg-dry	1	12/6/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,3,5-Trimethylbenzene	ND	150	100		µg/Kg-dry	1	12/6/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	12/6/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	12/6/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	12/6/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	12/6/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	12/6/2023
Acrylonitrile	ND	150	100		µg/Kg-dry	1	12/6/2023
Benzene	ND	50	50		µg/Kg-dry	1	12/6/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	12/6/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	12/6/2023
Bromoform	ND	100	100		µg/Kg-dry	1	12/6/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	12/6/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	12/6/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	12/6/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	12/6/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	12/6/2023
Chloroform	ND	50	50		µg/Kg-dry	1	12/6/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	12/6/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/6/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	12/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-11 @ 2'
Work Order:	23112457	**Collection Date:**	11/27/2023
Project:	West State Street 20-393A		
Lab ID:	23112457-03	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	12/6/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	12/6/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	12/6/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	12/6/2023
Hexachloroethane	ND	150	0		µg/Kg-dry	1	12/6/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	12/6/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	12/6/2023
Methyl iodide	ND	740	100		µg/Kg-dry	1	12/6/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	12/6/2023
Methylene chloride	ND	370	100		µg/Kg-dry	1	12/6/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	12/6/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	12/6/2023
Styrene	ND	50	50		µg/Kg-dry	1	12/6/2023
Tetrachloroethene	**170**	**50**	**50**		**µg/Kg-dry**	1	12/6/2023
Toluene	ND	100	100		µg/Kg-dry	1	12/6/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/6/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	12/6/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	12/6/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	12/6/2023
Vinyl chloride	ND	44	40		µg/Kg-dry	1	12/6/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	12/6/2023
Surr: 1,2-Dichloroethane-d4	*97.1*	*80-120*			*%REC*	1	12/6/2023
Surr: 4-Bromofluorobenzene	*100*	*80-120*			*%REC*	1	12/6/2023
Surr: Dibromofluoromethane	*82.8*	*80-120*			*%REC*	1	12/6/2023
Surr: Toluene-d8	*101*	*80-120*			*%REC*	1	12/6/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**17**	**0.10**	**0**		**% of sample**	1	12/5/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *08-Dec-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-11 @ 4'
Work Order:	23112457	**Collection Date:**	11/27/2023
Project:	West State Street 20-393A		
Lab ID:	23112457-04	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/30/2023**		Analyst: **BAM**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	12/6/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	12/6/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	12/6/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	12/6/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	12/6/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
1,2-Dibromo-3-chloropropane	ND	140	10		µg/Kg-dry	1	12/6/2023
1,2-Dibromoethane	ND	41	20		µg/Kg-dry	1	12/6/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,3,5-Trimethylbenzene	ND	140	100		µg/Kg-dry	1	12/6/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	12/6/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	12/6/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	12/6/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	12/6/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	12/6/2023
Acrylonitrile	ND	140	100		µg/Kg-dry	1	12/6/2023
Benzene	ND	50	50		µg/Kg-dry	1	12/6/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	12/6/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	12/6/2023
Bromoform	ND	100	100		µg/Kg-dry	1	12/6/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	12/6/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	12/6/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	12/6/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	12/6/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	12/6/2023
Chloroform	ND	50	50		µg/Kg-dry	1	12/6/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	12/6/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/6/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	12/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-11 @ 4'
Work Order: 23112457 **Collection Date:** 11/27/2023
Project: West State Street 20-393A
Lab ID: 23112457-04 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	12/6/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	12/6/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	12/6/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	12/6/2023
Hexachloroethane	ND	140	0		µg/Kg-dry	1	12/6/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	12/6/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	12/6/2023
Methyl iodide	ND	690	100		µg/Kg-dry	1	12/6/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	12/6/2023
Methylene chloride	ND	350	100		µg/Kg-dry	1	12/6/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	12/6/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	12/6/2023
Styrene	ND	50	50		µg/Kg-dry	1	12/6/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
Toluene	ND	100	100		µg/Kg-dry	1	12/6/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/6/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	12/6/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	12/6/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	12/6/2023
Vinyl chloride	ND	41	40		µg/Kg-dry	1	12/6/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	12/6/2023
Surr: 1,2-Dichloroethane-d4	*97.5*	*80-120*			*%REC*	1	12/6/2023
Surr: 4-Bromofluorobenzene	*101*	*80-120*			*%REC*	1	12/6/2023
Surr: Dibromofluoromethane	*84.1*	*80-120*			*%REC*	1	12/6/2023
Surr: Toluene-d8	*97.0*	*80-120*			*%REC*	1	12/6/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**5.2**	**0.10**	**0**		**% of sample**	1	12/5/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *08-Dec-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-11 @ 6'
Work Order:	23112457	**Collection Date:**	11/27/2023
Project:	West State Street 20-393A		
Lab ID:	23112457-05	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/30/2023**		Analyst: **BAM**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	12/6/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	12/6/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	12/6/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	12/6/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	12/6/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
1,2-Dibromo-3-chloropropane	ND	150	10		µg/Kg-dry	1	12/6/2023
1,2-Dibromoethane	ND	46	20		µg/Kg-dry	1	12/6/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,3,5-Trimethylbenzene	ND	150	100		µg/Kg-dry	1	12/6/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	12/6/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	12/6/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	12/6/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	12/6/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	12/6/2023
Acrylonitrile	ND	150	100		µg/Kg-dry	1	12/6/2023
Benzene	ND	50	50		µg/Kg-dry	1	12/6/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	12/6/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	12/6/2023
Bromoform	ND	100	100		µg/Kg-dry	1	12/6/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	12/6/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	12/6/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	12/6/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	12/6/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	12/6/2023
Chloroform	ND	50	50		µg/Kg-dry	1	12/6/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	12/6/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/6/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	12/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-11 @ 6'
Work Order: 23112457 **Collection Date:** 11/27/2023
Project: West State Street 20-393A
Lab ID: 23112457-05 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	12/6/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	12/6/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	12/6/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	12/6/2023
Hexachloroethane	ND	150	0		µg/Kg-dry	1	12/6/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	12/6/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	12/6/2023
Methyl iodide	ND	770	100		µg/Kg-dry	1	12/6/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	12/6/2023
Methylene chloride	ND	380	100		µg/Kg-dry	1	12/6/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	12/6/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	12/6/2023
Styrene	ND	50	50		µg/Kg-dry	1	12/6/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
Toluene	ND	100	100		µg/Kg-dry	1	12/6/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/6/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	12/6/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	12/6/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	12/6/2023
Vinyl chloride	ND	46	40		µg/Kg-dry	1	12/6/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	12/6/2023
Surr: 1,2-Dichloroethane-d4	*97.1*	*80-120*			*%REC*	1	12/6/2023
Surr: 4-Bromofluorobenzene	*100*	*80-120*			*%REC*	1	12/6/2023
Surr: Dibromofluoromethane	*82.4*	*80-120*			*%REC*	1	12/6/2023
Surr: Toluene-d8	*98.6*	*80-120*			*%REC*	1	12/6/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**5.2**	**0.10**	**0**		**% of sample**	1	12/5/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *08-Dec-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-11 @ 8'
Work Order:	23112457	**Collection Date:**	11/27/2023
Project:	West State Street 20-393A		
Lab ID:	23112457-06	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **11/30/2023**		Analyst: **BAM**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	12/6/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	12/6/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	12/6/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	12/6/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	12/6/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
1,2-Dibromo-3-chloropropane	ND	150	10		µg/Kg-dry	1	12/6/2023
1,2-Dibromoethane	ND	44	20		µg/Kg-dry	1	12/6/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	12/6/2023
1,3,5-Trimethylbenzene	ND	150	100		µg/Kg-dry	1	12/6/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	12/6/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	12/6/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	12/6/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	12/6/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	12/6/2023
Acrylonitrile	ND	150	100		µg/Kg-dry	1	12/6/2023
Benzene	ND	50	50		µg/Kg-dry	1	12/6/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	12/6/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	12/6/2023
Bromoform	ND	100	100		µg/Kg-dry	1	12/6/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	12/6/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	12/6/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	12/6/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	12/6/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	12/6/2023
Chloroform	ND	50	50		µg/Kg-dry	1	12/6/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	12/6/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/6/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	12/6/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-11 @ 8'
Work Order:	23112457	**Collection Date:**	11/27/2023
Project:	West State Street 20-393A		
Lab ID:	23112457-06	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
Dibromomethane	ND	250	250		µg/Kg-dry	1	12/6/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	12/6/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	12/6/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	12/6/2023
Hexachloroethane	ND	150	0		µg/Kg-dry	1	12/6/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	12/6/2023
m,p-Xylene	ND	100	100		µg/Kg-dry	1	12/6/2023
Methyl iodide	ND	740	100		µg/Kg-dry	1	12/6/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	12/6/2023
Methylene chloride	ND	370	100		µg/Kg-dry	1	12/6/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	12/6/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	12/6/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	12/6/2023
Styrene	ND	50	50		µg/Kg-dry	1	12/6/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
Toluene	ND	100	100		µg/Kg-dry	1	12/6/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/6/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	12/6/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	12/6/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	12/6/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	12/6/2023
Vinyl chloride	ND	44	40		µg/Kg-dry	1	12/6/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	12/6/2023
Surr: 1,2-Dichloroethane-d4	*98.5*	*80-120*			*%REC*	1	12/6/2023
Surr: 4-Bromofluorobenzene	*101*	*80-120*			*%REC*	1	12/6/2023
Surr: Dibromofluoromethane	*80.2*	*80-120*			*%REC*	1	12/6/2023
Surr: Toluene-d8	*99.5*	*80-120*			*%REC*	1	12/6/2023
MOISTURE			**SW3550C**				Analyst: **SGH**
Moisture	**9.6**	**0.10**	**0**		**% of sample**	1	12/5/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C.
Project: West State Street 20-393A
WorkOrder: **23112457**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

Units Reported	Description
% of sample	Percent of Sample
µg/Kg-dry	Micrograms per Kilogram Dry Weight

ALS Group, USA
Holland, Michigan

Sample Receipt Checklist

Client Name: **OTWELL** Date/Time Received: **30-Nov-23 09:30**

Work Order: **23112457** Received by: **KYB**

Checklist completed by Karly Yablonski (eSignature) 30-Nov-23 (Date) Reviewed by: Tim Gates (eSignature) 30-Nov-23 (Date)

Matrices: Soil
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.9C	DF2	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	11/30/2023 11:41:58 AM		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Batch ID: **230066** Instrument ID **VMS9** Method: **SW8260D**

MBLK Sample ID: **MBLK-230066-230066** Units: **µg/Kg-dry** Analysis Date: **12/6/2023 12:37 PM**
Client ID: Run ID: **VMS9_231206A** SeqNo: **10281924** Prep Date: **11/30/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	30								
1,1,1-Trichloroethane	ND	30								
1,1,2,2-Tetrachloroethane	ND	30								
1,1,2-Trichloroethane	ND	30								
1,1,2-Trichlorotrifluoroethane	ND	30								
1,1-Dichloroethane	ND	30								
1,1-Dichloroethene	ND	30								
1,2,3-Trichloropropane	ND	30								
1,2,3-Trimethylbenzene	ND	30								
1,2,4-Trichlorobenzene	ND	100								
1,2,4-Trimethylbenzene	ND	30								
1,2-Dibromo-3-chloropropane	ND	100								
1,2-Dibromoethane	ND	30								
1,2-Dichlorobenzene	ND	30								
1,2-Dichloroethane	ND	30								
1,2-Dichloropropane	ND	30								
1,3,5-Trimethylbenzene	ND	100								
1,3-Dichlorobenzene	ND	30								
1,4-Dichlorobenzene	ND	30								
2-Butanone	ND	200								
2-Hexanone	ND	30								
2-Methylnaphthalene	ND	100								
4-Methyl-2-pentanone	ND	30								
Acetone	ND	100								
Acrylonitrile	ND	100								
Benzene	ND	30								
Bromochloromethane	ND	30								
Bromodichloromethane	ND	30								
Bromoform	ND	30								
Bromomethane	ND	100								
Carbon disulfide	ND	30								
Carbon tetrachloride	ND	30								
Chlorobenzene	ND	30								
Chloroethane	ND	100								
Chloroform	ND	30								
Chloromethane	ND	100								
cis-1,2-Dichloroethene	ND	30								
cis-1,3-Dichloropropene	ND	30								
Dibromochloromethane	ND	30								
Dibromomethane	ND	30								
Dichlorodifluoromethane	ND	100								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **230066** Instrument ID **VMS9** Method: **SW8260D**

Diethyl ether	ND	30					
Ethylbenzene	ND	30					
Hexachloroethane	ND	100					
Isopropylbenzene	ND	30					
m,p-Xylene	ND	60					
Methyl iodide	ND	500					
Methyl tert-butyl ether	ND	30					
Methylene chloride	ND	250					
Naphthalene	ND	100					
n-Propylbenzene	ND	30					
o-Xylene	ND	30					
Styrene	ND	30					
Tetrachloroethene	ND	30					
Toluene	ND	30					
trans-1,2-Dichloroethene	ND	30					
trans-1,3-Dichloropropene	ND	30					
trans-1,4-Dichloro-2-butene	ND	30					
Trichloroethene	ND	30					
Trichlorofluoromethane	ND	30					
Vinyl acetate	ND	250					
Vinyl chloride	ND	30					
Xylenes, Total	ND	90					
Surr: 1,2-Dichloroethane-d4	*974.5*	0	*1000*	0	*97.4*	*80-120*	0
Surr: 4-Bromofluorobenzene	*932.5*	0	*1000*	0	*93.2*	*80-120*	0
Surr: Dibromofluoromethane	*942.5*	0	*1000*	0	*94.2*	*80-120*	0
Surr: Toluene-d8	*1070*	0	*1000*	0	*107*	*80-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23112457
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **230066** Instrument ID **VMS9** Method: **SW8260D**

LCS	Sample ID: **LCS-230066-230066**				Units: **µg/Kg-dry**		Analysis Date: **12/6/2023 11:50 AM**			
Client ID:	Run ID: **VMS9_231206A**				SeqNo: **10281919**		Prep Date: **11/30/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	979.5	30	1000	0	98	72-120	0			
1,1,1-Trichloroethane	931	30	1000	0	93.1	75-121	0			
1,1,2,2-Tetrachloroethane	909.5	30	1000	0	91	79-125	0			
1,1,2-Trichloroethane	909	30	1000	0	90.9	80-123	0			
1,1,2-Trichlorotrifluoroethane	973	30	1000	0	97.3	62-129	0			
1,1-Dichloroethane	917	30	1000	0	91.7	74-124	0			
1,1-Dichloroethene	971.5	30	1000	0	97.2	68-131	0			
1,2,3-Trichloropropane	917.5	30	1000	0	91.8	77-121	0			
1,2,3-Trimethylbenzene	910.5	30	1000	0	91	76-127	0			
1,2,4-Trichlorobenzene	895.5	100	1000	0	89.6	63-130	0			
1,2,4-Trimethylbenzene	979.5	30	1000	0	98	64-126	0			
1,2-Dibromo-3-chloropropane	934.5	100	1000	0	93.4	55-135	0			
1,2-Dibromoethane	978	30	1000	0	97.8	63-155	0			
1,2-Dichlorobenzene	910.5	30	1000	0	91	77-122	0			
1,2-Dichloroethane	904.5	30	1000	0	90.4	70-130	0			
1,2-Dichloropropane	914.5	30	1000	0	91.4	71-130	0			
1,3,5-Trimethylbenzene	1016	100	1000	0	102	66-130	0			
1,3-Dichlorobenzene	916	30	1000	0	91.6	78-121	0			
1,4-Dichlorobenzene	956.5	30	1000	0	95.6	78-122	0			
2-Butanone	1098	200	1000	0	110	47-164	0			
2-Hexanone	1122	30	1000	0	112	70-137	0			
2-Methylnaphthalene	756	100	1000	0	75.6	50-150	0			
4-Methyl-2-pentanone	1522	30	1000	0	152	57-200	0			
Acetone	887.5	100	1000	0	88.8	52-190	0			
Acrylonitrile	872	100	1000	0	87.2	61-142	0			
Benzene	951.5	30	1000	0	95.2	78-122	0			
Bromochloromethane	917.5	30	1000	0	91.8	68-130	0			
Bromodichloromethane	948.5	30	1000	0	94.8	75-125	0			
Bromoform	876	30	1000	0	87.6	59-120	0			
Bromomethane	831	100	1000	0	83.1	31-169	0			
Carbon disulfide	875	30	1000	0	87.5	60-163	0			
Carbon tetrachloride	850	30	1000	0	85	69-123	0			
Chlorobenzene	922.5	30	1000	0	92.2	79-120	0			
Chloroethane	879	100	1000	0	87.9	38-132	0			
Chloroform	906.5	30	1000	0	90.6	72-122	0			
Chloromethane	755.5	100	1000	0	75.6	24-119	0			
cis-1,2-Dichloroethene	913	30	1000	0	91.3	74-125	0			
cis-1,3-Dichloropropene	987	30	1000	0	98.7	62-124	0			
Dibromochloromethane	866.5	30	1000	0	86.6	57-123	0			
Dibromomethane	915	30	1000	0	91.5	70-128	0			
Dichlorodifluoromethane	684.5	100	1000	0	68.4	28-137	0			
Diethyl ether	987.5	30	1000	0	98.8	65-159	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **230066** Instrument ID **VMS9** Method: **SW8260D**

Ethylbenzene	1005	30	1000	0	100	75-121	0
Hexachloroethane	856.5	100	1000	0	85.6	57-134	0
Isopropylbenzene	1033	30	1000	0	103	74-121	0
m,p-Xylene	2074	60	2000	0	104	67-129	0
Methyl iodide	1018	500	1000	0	102	10-200	0
Methyl tert-butyl ether	998.5	30	1000	0	99.8	79-139	0
Methylene chloride	929	250	1000	0	92.9	62-135	0
Naphthalene	893.5	100	1000	0	89.4	53-135	0
n-Propylbenzene	1040	30	1000	0	104	65-128	0
o-Xylene	995	30	1000	0	99.5	75-120	0
Styrene	956.5	30	1000	0	95.6	74-126	0
Tetrachloroethene	987	30	1000	0	98.7	76-128	0
Toluene	955.5	30	1000	0	95.6	76-120	0
trans-1,2-Dichloroethene	924.5	30	1000	0	92.4	72-127	0
trans-1,3-Dichloropropene	1116	30	1000	0	112	66-120	0
trans-1,4-Dichloro-2-butene	763	30	1000	0	76.3	56-122	0
Trichloroethene	907.5	30	1000	0	90.8	75-122	0
Trichlorofluoromethane	942.5	30	1000	0	94.2	51-115	0
Vinyl chloride	931	30	1000	0	93.1	43-128	0
Xylenes, Total	3068	90	3000	0	102	67-129	0
Surr: 1,2-Dichloroethane-d4	*1008*	0	*1000*	0	*101*	*80-120*	0
Surr: 4-Bromofluorobenzene	*1078*	0	*1000*	0	*108*	*80-120*	0
Surr: Dibromofluoromethane	*994*	0	*1000*	0	*99.4*	*80-120*	0
Surr: Toluene-d8	*1074*	0	*1000*	0	*107*	*80-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23112457
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **230066** Instrument ID **VMS9** Method: **SW8260D**

MS Sample ID: **23112457-01B MS** Units: **µg/Kg-dry** Analysis Date: **12/6/2023 07:19 PM**

Client ID: **HA-10 @ 3'** Run ID: **VMS9_231206A** SeqNo: **10281969** Prep Date: **11/30/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1527	48	1601	0	95.4	72-120	0			
1,1,1-Trichloroethane	1544	48	1601	0	96.4	75-121	0			
1,1,2,2-Tetrachloroethane	1514	48	1601	0	94.6	79-125	0			
1,1,2-Trichloroethane	1580	48	1601	0	98.7	80-123	0			
1,1,2-Trichlorotrifluoroethane	1911	48	1601	0	119	62-129	0			
1,1-Dichloroethane	1576	48	1601	0	98.5	74-124	0			
1,1-Dichloroethene	2058	48	1601	0	129	68-131	0			
1,2,3-Trichloropropane	1530	48	1601	0	95.6	77-121	0			
1,2,3-Trimethylbenzene	1599	48	1601	0	99.9	76-127	0			
1,2,4-Trichlorobenzene	1199	160	1601	0	74.9	63-130	0			
1,2,4-Trimethylbenzene	1574	48	1601	0	98.3	64-126	0			
1,2-Dibromo-3-chloropropane	1394	160	1601	0	87.1	55-135	0			
1,2-Dibromoethane	1597	48	1601	0	99.8	63-155	0			
1,2-Dichlorobenzene	1548	48	1601	0	96.7	77-122	0			
1,2-Dichloroethane	1540	48	1601	0	96.2	70-130	0			
1,2-Dichloropropane	1587	48	1601	0	99.1	71-130	0			
1,3,5-Trimethylbenzene	1623	160	1601	0	101	66-130	0			
1,3-Dichlorobenzene	1493	48	1601	0	93.3	78-121	0			
1,4-Dichlorobenzene	1517	48	1601	0	94.8	78-122	0			
2-Butanone	1411	320	1601	0	88.2	47-164	0			
2-Hexanone	1834	48	1601	0	115	70-137	0			
2-Methylnaphthalene	1142	160	1601	0	71.4	50-150	0			
4-Methyl-2-pentanone	2388	48	1601	0	149	57-200	0			
Acetone	1413	160	1601	0	88.3	52-190	0			
Acrylonitrile	1660	160	1601	0	104	61-142	0			
Benzene	1749	48	1601	0	109	78-122	0			
Bromochloromethane	1561	48	1601	0	97.5	68-130	0			
Bromodichloromethane	1449	48	1601	0	90.5	75-125	0			
Bromoform	1233	48	1601	0	77	59-120	0			
Bromomethane	1470	160	1601	0	91.8	31-169	0			
Carbon disulfide	1336	48	1601	0	83.4	60-163	0			
Carbon tetrachloride	1237	48	1601	0	77.2	69-123	0			
Chlorobenzene	1581	48	1601	0	98.7	79-120	0			
Chloroethane	1446	160	1601	0	90.3	38-132	0			
Chloroform	1533	48	1601	0	95.8	72-122	0			
Chloromethane	1738	160	1601	0	109	24-119	0			
cis-1,2-Dichloroethene	1951	48	1601	0	122	74-125	0			
cis-1,3-Dichloropropene	1574	48	1601	0	98.4	62-124	0			
Dibromochloromethane	1284	48	1601	0	80.2	57-123	0			
Dibromomethane	1558	48	1601	0	97.3	70-128	0			
Dichlorodifluoromethane	2012	160	1601	0	126	28-137	0			
Diethyl ether	1742	48	1601	0	109	65-159	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **230066** Instrument ID **VMS9** Method: **SW8260D**

Ethylbenzene	1686	48	1601	0	105	75-121	0	
Hexachloroethane	1226	160	1601	0	76.6	57-134	0	
Isopropylbenzene	1712	48	1601	0	107	74-121	0	
m,p-Xylene	3420	96	3202	0	107	67-129	0	
Methyl iodide	1770	800	1601	0	111	10-200	0	
Methyl tert-butyl ether	1774	48	1601	0	111	79-139	0	
Methylene chloride	1776	400	1601	0	111	62-135	0	
Naphthalene	1385	160	1601	0	86.6	53-135	0	
n-Propylbenzene	1659	48	1601	0	104	65-128	0	
o-Xylene	1704	48	1601	0	106	75-120	0	
Styrene	1640	48	1601	0	102	74-126	0	
Tetrachloroethene	2189	48	1601	682.7	94.1	76-128	0	
Toluene	1568	48	1601	0	97.9	76-120	0	
trans-1,2-Dichloroethene	1638	48	1601	0	102	72-127	0	
trans-1,3-Dichloropropene	1686	48	1601	0	105	66-120	0	
trans-1,4-Dichloro-2-butene	1246	48	1601	0	77.9	56-122	0	
Trichloroethene	1509	48	1601	0	94.3	75-122	0	
Trichlorofluoromethane	1279	48	1601	0	79.9	51-115	0	
Vinyl chloride	2082	48	1601	0	130	43-128	0	S
Xylenes, Total	5124	140	4802	0	107	67-129	0	
Surr: 1,2-Dichloroethane-d4	*1550*	0	*1601*	0	*96.9*	*80-120*	0	
Surr: 4-Bromofluorobenzene	*1678*	0	*1601*	0	*105*	*80-120*	0	
Surr: Dibromofluoromethane	*1482*	0	*1601*	0	*92.6*	*80-120*	0	
Surr: Toluene-d8	*1609*	0	*1601*	0	*100*	*80-120*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23112457
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **230066** Instrument ID **VMS9** Method: **SW8260D**

MSD Sample ID: **23112457-01B MSD** Units: **µg/Kg-dry** Analysis Date: **12/6/2023 07:34 PM**

Client ID: **HA-10 @ 3'** Run ID: **VMS9_231206A** SeqNo: **10281970** Prep Date: **11/30/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1586	48	1601	0	99	72-120	1527	3.75	30	
1,1,1-Trichloroethane	1649	48	1601	0	103	75-121	1544	6.57	30	
1,1,2,2-Tetrachloroethane	1558	48	1601	0	97.4	79-125	1514	2.92	30	
1,1,2-Trichloroethane	1624	48	1601	0	101	80-123	1580	2.75	30	
1,1,2-Trichlorotrifluoroethane	1871	48	1601	0	117	62-129	1911	2.12	30	
1,1-Dichloroethane	1595	48	1601	0	99.7	74-124	1576	1.21	30	
1,1-Dichloroethene	2091	48	1601	0	131	68-131	2058	1.62	30	
1,2,3-Trichloropropane	1596	48	1601	0	99.7	77-121	1530	4.2	30	
1,2,3-Trimethylbenzene	1571	48	1601	0	98.2	76-127	1599	1.77	30	
1,2,4-Trichlorobenzene	1232	160	1601	0	76.9	63-130	1199	2.7	30	
1,2,4-Trimethylbenzene	1571	48	1601	0	98.2	64-126	1574	0.153	30	
1,2-Dibromo-3-chloropropane	1374	160	1601	0	85.8	55-135	1394	1.45	30	
1,2-Dibromoethane	1678	48	1601	0	105	63-155	1597	4.99	30	
1,2-Dichlorobenzene	1506	48	1601	0	94	77-122	1548	2.78	30	
1,2-Dichloroethane	1628	48	1601	0	102	70-130	1540	5.56	30	
1,2-Dichloropropane	1620	48	1601	0	101	71-130	1587	2.05	30	
1,3,5-Trimethylbenzene	1588	160	1601	0	99.2	66-130	1623	2.19	30	
1,3-Dichlorobenzene	1452	48	1601	0	90.7	78-121	1493	2.77	30	
1,4-Dichlorobenzene	1526	48	1601	0	95.3	78-122	1517	0.579	30	
2-Butanone	1564	320	1601	0	97.7	47-164	1411	10.3	30	
2-Hexanone	1880	48	1601	0	117	70-137	1834	2.5	30	
2-Methylnaphthalene	1316	160	1601	0	82.2	50-150	1142	14.1	30	
4-Methyl-2-pentanone	2478	48	1601	0	155	57-200	2388	3.72	30	
Acetone	1832	160	1601	0	114	52-190	1413	25.8	30	
Acrylonitrile	1674	160	1601	0	105	61-142	1660	0.864	30	
Benzene	1760	48	1601	0	110	78-122	1749	0.639	30	
Bromochloromethane	1654	48	1601	0	103	68-130	1561	5.78	30	
Bromodichloromethane	1554	48	1601	0	97.1	75-125	1449	7.04	30	
Bromoform	1304	48	1601	0	81.5	59-120	1233	5.62	30	
Bromomethane	1483	160	1601	0	92.6	31-169	1470	0.921	30	
Carbon disulfide	1393	48	1601	0	87	60-163	1336	4.22	30	
Carbon tetrachloride	1355	48	1601	0	84.6	69-123	1237	9.14	30	
Chlorobenzene	1594	48	1601	0	99.6	79-120	1581	0.857	30	
Chloroethane	1446	160	1601	0	90.3	38-132	1446	0	30	
Chloroform	1557	48	1601	0	97.3	72-122	1533	1.55	30	
Chloromethane	1678	160	1601	0	105	24-119	1738	3.56	30	
cis-1,2-Dichloroethene	1926	48	1601	0	120	74-125	1951	1.32	30	
cis-1,3-Dichloropropene	1636	48	1601	0	102	62-124	1574	3.84	30	
Dibromochloromethane	1309	48	1601	0	81.8	57-123	1284	1.91	30	
Dibromomethane	1566	48	1601	0	97.8	70-128	1558	0.512	30	
Dichlorodifluoromethane	1890	160	1601	0	118	28-137	2012	6.28	30	
Diethyl ether	1782	48	1601	0	111	65-159	1742	2.32	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **230066** Instrument ID **VMS9** Method: **SW8260D**

Ethylbenzene	1695	48	1601	0	106	75-121	1686	0.521	30
Hexachloroethane	1064	160	1601	0	66.4	57-134	1226	14.2	30
Isopropylbenzene	1666	48	1601	0	104	74-121	1712	2.75	30
m,p-Xylene	3461	96	3202	0	108	67-129	3420	1.19	30
Methyl iodide	2003	800	1601	0	125	10-200	1770	12.3	30
Methyl tert-butyl ether	1783	48	1601	0	111	79-139	1774	0.495	30
Methylene chloride	1735	400	1601	0	108	62-135	1776	2.33	30
Naphthalene	1425	160	1601	0	89	53-135	1385	2.79	30
n-Propylbenzene	1614	48	1601	0	101	65-128	1659	2.74	30
o-Xylene	1742	48	1601	0	109	75-120	1704	2.18	30
Styrene	1594	48	1601	0	99.6	74-126	1640	2.87	30
Tetrachloroethene	2299	48	1601	682.7	101	76-128	2189	4.89	30
Toluene	1601	48	1601	0	100	76-120	1568	2.07	30
trans-1,2-Dichloroethene	1646	48	1601	0	103	72-127	1638	0.438	30
trans-1,3-Dichloropropene	1722	48	1601	0	108	66-120	1686	2.16	30
trans-1,4-Dichloro-2-butene	1220	48	1601	0	76.2	56-122	1246	2.14	30
Trichloroethene	1592	48	1601	0	99.5	75-122	1509	5.37	30
Trichlorofluoromethane	1312	48	1601	0	81.9	51-115	1279	2.53	30
Vinyl chloride	2033	48	1601	0	127	43-128	2082	2.37	30
Xylenes, Total	5202	140	4802	0	108	67-129	5124	1.52	30
Surr: 1,2-Dichloroethane-d4	*1578*	0	*1601*	0	*98.6*	*80-120*	1550	*1.74*	*30*
Surr: 4-Bromofluorobenzene	*1686*	0	*1601*	0	*105*	*80-120*	1678	*0.428*	*30*
Surr: Dibromofluoromethane	*1496*	0	*1601*	0	*93.5*	*80-120*	1482	*0.914*	*30*
Surr: Toluene-d8	*1580*	0	*1601*	0	*98.7*	*80-120*	1609	*1.81*	*30*

The following samples were analyzed in this batch:

23112457-01B	23112457-02B	23112457-03B
23112457-04B	23112457-05B	23112457-06B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23112457
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **R390651** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **WBLKS-R390651** Units: **% of sample** Analysis Date: **12/5/2023 05:16 PM**
Client ID: Run ID: **MOIST_231205D** SeqNo: **10278568** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.10								

LCS Sample ID: **LCS-R390651** Units: **% of sample** Analysis Date: **12/5/2023 05:16 PM**
Client ID: Run ID: **MOIST_231205D** SeqNo: **10278567** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.10	100	0	100	98-102	0			

DUP Sample ID: **23112342-01A DUP** Units: **% of sample** Analysis Date: **12/5/2023 05:16 PM**
Client ID: Run ID: **MOIST_231205D** SeqNo: **10278546** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	13.47	0.10	0	0	0	0-0	12.75	5.49	10	

DUP Sample ID: **23120205-03A DUP** Units: **% of sample** Analysis Date: **12/5/2023 05:16 PM**
Client ID: Run ID: **MOIST_231205D** SeqNo: **10278565** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	15.55	0.10	0	0	0	0-0	16.17	3.91	10	

The following samples were analyzed in this batch:

23112457-01A	23112457-02A	23112457-03A
23112457-04A	23112457-05A	23112457-06A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

☑ ALS Environmental
781 Industrial Cir, Ste 3
Traverse City, Michigan 49686
(Tel) 231.421.3204
(Cell) 231.944.3459

Chain of Custody Form

Page 1 of 1

☐ ALS Environmental
3352 128th Avenue
Holland, Michigan 49424
(Tel) 616.399.6070
(Fax) 616.399.6185

ALS Project Manager:	Gary Byar	ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	West State Street	A	VOCs (Full List)
Work Order		Project Number	20-393A	B	Moisture
Company Name	Otwell Mawby, P. C.	Bill To Company	Otwell Mawby, P. C.	C	
PNA		Invoice Attn.	James Jackson	D	
Address	309 E Front St. Suite 200	Address	309 E Front St. Suite 200	E	
				F	
City/State/Zip	Traverse City, MI 49684	City/State/Zip	Traverse City, MI 49684	G	
Phone	231-946-5200	Phone	231-946-5200	H	
Fax	231-946-5216	Fax	231-946-5216	I	
e-Mail Address	jjackson@otwellmawby.com			J	

23112457
OTWELL: Otwell Mawby, P. C.
Project: Otwell - West State Street

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	HA-10 @ 3'	11/27/2023		Soil			X	X									
2	HA-10 @ 5'	11/27/2023		Soil			X	X									
3	HA-11 @ 2'	11/27/2023		Soil			X	X									
4	HA-11 @ 4'	11/27/2023		Soil			X	X									
5	HA-11 @ 6'	11/27/2023		Soil			X	X									
6	HA-11 @ 8'	11/27/2023		Soil			X	X									
7																	
8																	
9																	
10																	

Sampler(s): Please Print & Sign
Steve Hemstreet

Shipment Method:

Required Turnaround Time: (Check Box) ☐ 10 Wk Days ☑ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other _____

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	11-29-23	900		11/29/23	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:
TG to Fedex	11/29/23		FedEx Karlyn Jalilvand	11/30/23	0930
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		
KJV	11/30/23	1130	TG		

Notes: Color: _____ Odor: _____ DF3 2.9°C

ALS Cooler ID	Cooler Temp

QC Package: (Check Box Below)
☑ Level II: Standard QC ☐ Level III: Raw Data
☐ TRRP LRC ☐ TRRP Level IV
☐ Level IV: SW846 Methods/CLP like
☐ Other: _____

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

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21-Dec-2023

James Jackson
Otwell Mawby, P. C.
309 E Front St.
Suite #200
Traverse City, MI 49684

Re: **West State Street 20-393A** Work Order: **23121075**

Dear James,

ALS Environmental received 6 samples on 12-Dec-2023 09:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

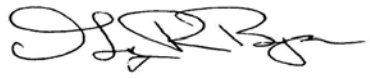
Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 42.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,



Electronically approved by: Tim Gates

Gary Byar
Project Manager

ALS Group, USA

Date: 21-Dec-23

Client: Otwell Mawby, P. C.
Project: West State Street 20-393A
Work Order: **23121075**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
23121075-01	HA-5 @ 1'	Soil		12/7/2023 09:45	12/12/2023 09:00	☐
23121075-02	HA-5 @ 6.5'	Soil		12/7/2023 10:15	12/12/2023 09:00	☐
23121075-03	HA-6 @ 9'	Soil		12/7/2023 11:50	12/12/2023 09:00	☐
23121075-04	HA-6 @ 11'	Soil		12/7/2023 12:20	12/12/2023 09:00	☐
23121075-05	HA-7 @ 6'	Soil		12/7/2023 14:25	12/12/2023 09:00	☐
23121075-06	HA-7 @ 8.5'	Soil		12/7/2023 15:00	12/12/2023 09:00	☐

Client: Otwell Mawby, P. C.
Project: West State Street 20-393A
Work Order: 23121075

Case Narrative

Batch 230900, Method SW8260D, Sample HA-5 @ 1' (23121075-01B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Chloroethane, Dichlorodifluoromethane

Batch 230900, Method SW8260D, Sample HA-5 @ 6.5' (23121075-02B): The Continuing Calibration Verification did not meet acceptance criteria with high bias, however, the sample results were non-detect for the following analytes: Methyl Iodide, Vinyl Acetate

Batch 230900, Method SW8260D, Sample HA-5 @ 6.5' (23121075-02B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Chloroethane, Dichlorodifluoromethane

Batch 230900, Method SW8260D, Sample HA-6 @ 9' (23121075-03B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Chloroethane, Dichlorodifluoromethane

Batch 230900, Method SW8260D, Sample HA-6 @ 11' (23121075-04B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Chloroethane, Dichlorodifluoromethane

Batch 230900, Method SW8260D, Sample HA-7 @ 6' (23121075-05B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Chloroethane, Dichlorodifluoromethane

Batch 230900, Method SW8260D, Sample HA-7 @ 8.5' (23121075-06B): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Chloroethane, Dichlorodifluoromethane

Batch 231055, Method SW8270E, Sample SBLKS1-231055: The concentration in the Method Blank was greater than the Method Detection Limit. Positive results in the batch may be biased high for this analyte: Pyrene

Batch 230979, Method SW7471B: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch R391591, Method SW3550C: The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

ALS Group, USA

Date: *21-Dec-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-5 @ 1'
Work Order:	23121075	**Collection Date:**	12/7/2023 9:45:00 AM
Project:	West State Street 20-393A		
Lab ID:	23121075-01	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **12/14/2023**		Analyst: **KRA**
Mercury	**0.12**	**0.050**	**0.050**		**mg/Kg-dry**	1	12/15/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **12/14/2023**		Analyst: **STP**
Arsenic	**11**	**2.0**	**2.0**		**mg/Kg-dry**	1	12/14/2023
Barium	**55**	**1.0**	**1.0**		**mg/Kg-dry**	1	12/14/2023
Cadmium	**0.72**	**0.20**	**0.20**		**mg/Kg-dry**	1	12/14/2023
Chromium	**3.3**	**2.0**	**2.0**		**mg/Kg-dry**	1	12/14/2023
Copper	**18**	**2.8**	**1.0**		**mg/Kg-dry**	10	12/15/2023
Lead	**170**	**10**	**10**		**mg/Kg-dry**	10	12/15/2023
Selenium	**0.38**	**0.28**	**0.20**		**mg/Kg-dry**	1	12/14/2023
Silver	ND	0.28	0.10		mg/Kg-dry	1	12/14/2023
Zinc	**120**	**5.6**	**1.0**		**mg/Kg-dry**	10	12/15/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **12/15/2023**		Analyst: **SMT**
2-Methylnaphthalene	**1,000**	**330**	**330**		**µg/Kg-dry**	1	12/20/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	12/20/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	12/20/2023
Anthracene	**580**	**330**	**330**		**µg/Kg-dry**	1	12/20/2023
Benzo(a)anthracene	**980**	**330**	**330**		**µg/Kg-dry**	1	12/20/2023
Benzo(a)pyrene	**720**	**330**	**330**		**µg/Kg-dry**	1	12/20/2023
Benzo(b)fluoranthene	**1,000**	**330**	**330**		**µg/Kg-dry**	1	12/20/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	12/20/2023
Benzo(k)fluoranthene	**380**	**330**	**330**		**µg/Kg-dry**	1	12/20/2023
Chrysene	**1,200**	**330**	**330**		**µg/Kg-dry**	1	12/20/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	12/20/2023
Fluoranthene	**4,300**	**330**	**330**		**µg/Kg-dry**	5	12/21/2023
Fluorene	**890**	**330**	**330**		**µg/Kg-dry**	1	12/20/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	12/20/2023
Naphthalene	**2,400**	**330**	**330**		**µg/Kg-dry**	1	12/20/2023
Phenanthrene	**7,100**	**330**	**330**		**µg/Kg-dry**	5	12/21/2023
Pyrene	**2,300**	**330**	**330**		**µg/Kg-dry**	1	12/20/2023
Surr: 2-Fluorobiphenyl	*50.8*	*20-140*			*%REC*	1	12/20/2023
Surr: 4-Terphenyl-d14	*44.1*	*22-172*			*%REC*	1	12/20/2023
Surr: Nitrobenzene-d5	*58.0*	*28-140*			*%REC*	1	12/20/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **12/13/2023**		Analyst: **SBR**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	12/18/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *21-Dec-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-5 @ 1'
Work Order:	23121075	**Collection Date:**	12/7/2023 9:45:00 AM
Project:	West State Street 20-393A		
Lab ID:	23121075-01	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	12/18/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	12/18/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	12/18/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	12/18/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	12/18/2023
1,2-Dibromoethane	ND	36	20		µg/Kg-dry	1	12/18/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	12/18/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	12/18/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	12/18/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	12/18/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	12/18/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	12/18/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	12/18/2023
Benzene	ND	50	50		µg/Kg-dry	1	12/18/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Bromoform	ND	100	100		µg/Kg-dry	1	12/18/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	12/18/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	12/18/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	12/18/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	12/18/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	12/18/2023
Chloroform	ND	50	50		µg/Kg-dry	1	12/18/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	12/18/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/18/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	12/18/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	12/18/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	12/18/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	12/18/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	12/18/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	12/18/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-5 @ 1'
Work Order:	23121075	**Collection Date:**	12/7/2023 9:45:00 AM
Project:	West State Street 20-393A		
Lab ID:	23121075-01	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	12/18/2023
Methyl iodide	ND	590	100		µg/Kg-dry	1	12/18/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	12/18/2023
Methylene chloride	ND	300	100		µg/Kg-dry	1	12/18/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	12/18/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	12/18/2023
Styrene	ND	50	50		µg/Kg-dry	1	12/18/2023
Tetrachloroethene	**150**	**50**	**50**		**µg/Kg-dry**	1	12/18/2023
Toluene	ND	100	100		µg/Kg-dry	1	12/18/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/18/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	12/18/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	12/18/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	12/18/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	12/18/2023
Surr: 1,2-Dichloroethane-d4	*96.3*	*80-120*			*%REC*	1	12/18/2023
Surr: 4-Bromofluorobenzene	*104*	*80-120*			*%REC*	1	12/18/2023
Surr: Dibromofluoromethane	*92.4*	*80-120*			*%REC*	1	12/18/2023
Surr: Toluene-d8	*106*	*80-120*			*%REC*	1	12/18/2023
MOISTURE			**SW3550C**				Analyst: **CLJ**
Moisture	**6.1**	**0.10**	**0**		**% of sample**	1	12/15/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-5 @ 6.5'
Work Order: 23121075 **Collection Date:** 12/7/2023 10:15:00 AM
Project: West State Street 20-393A
Lab ID: 23121075-02 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **12/14/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	12/15/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **12/14/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	12/14/2023
Barium	**4.3**	**1.0**	**1.0**		**mg/Kg-dry**	1	12/14/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	12/14/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	12/14/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	12/14/2023
Lead	ND	10	10		mg/Kg-dry	1	12/14/2023
Selenium	ND	0.26	0.20		mg/Kg-dry	1	12/14/2023
Silver	ND	0.26	0.10		mg/Kg-dry	1	12/14/2023
Zinc	**4.9**	**1.0**	**1.0**		**mg/Kg-dry**	1	12/14/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **12/15/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	12/20/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	12/20/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	12/20/2023
Anthracene	ND	330	330		µg/Kg-dry	1	12/20/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	12/20/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	12/20/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	12/20/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	12/20/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	12/20/2023
Chrysene	ND	330	330		µg/Kg-dry	1	12/20/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	12/20/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	12/20/2023
Fluorene	ND	330	330		µg/Kg-dry	1	12/20/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	12/20/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	12/20/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	12/20/2023
Pyrene	ND	330	330		µg/Kg-dry	1	12/20/2023
Surr: 2-Fluorobiphenyl	*85.6*	*20-140*			*%REC*	1	12/20/2023
Surr: 4-Terphenyl-d14	*87.8*	*22-172*			*%REC*	1	12/20/2023
Surr: Nitrobenzene-d5	*93.8*	*28-140*			*%REC*	1	12/20/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **12/13/2023**		Analyst: **SBR**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	12/18/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-5 @ 6.5'
Work Order: 23121075 **Collection Date:** 12/7/2023 10:15:00 AM
Project: West State Street 20-393A
Lab ID: 23121075-02 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	12/18/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	12/18/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	12/18/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	12/18/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	12/18/2023
1,2-Dibromoethane	ND	36	20		µg/Kg-dry	1	12/18/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	12/18/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	12/18/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	12/18/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	12/18/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	12/18/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	12/18/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	12/18/2023
Benzene	ND	50	50		µg/Kg-dry	1	12/18/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Bromoform	ND	100	100		µg/Kg-dry	1	12/18/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	12/18/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	12/18/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	12/18/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	12/18/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	12/18/2023
Chloroform	ND	50	50		µg/Kg-dry	1	12/18/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	12/18/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/18/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	12/18/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	12/18/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	12/18/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	12/18/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	12/18/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	12/18/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-5 @ 6.5'
Work Order: 23121075 **Collection Date:** 12/7/2023 10:15:00 AM
Project: West State Street 20-393A
Lab ID: 23121075-02 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	12/18/2023
Methyl iodide	ND	600	100		µg/Kg-dry	1	12/18/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	12/18/2023
Methylene chloride	ND	300	100		µg/Kg-dry	1	12/18/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	12/18/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	12/18/2023
Styrene	ND	50	50		µg/Kg-dry	1	12/18/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
Toluene	ND	100	100		µg/Kg-dry	1	12/18/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/18/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	12/18/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	12/18/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	12/18/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	12/18/2023
Surr: 1,2-Dichloroethane-d4	*92.4*	*80-120*			*%REC*	1	12/18/2023
Surr: 4-Bromofluorobenzene	*102*	*80-120*			*%REC*	1	12/18/2023
Surr: Dibromofluoromethane	*88.4*	*80-120*			*%REC*	1	12/18/2023
Surr: Toluene-d8	*106*	*80-120*			*%REC*	1	12/18/2023
MOISTURE			**SW3550C**				Analyst: **CLJ**
Moisture	**2.2**	**0.10**	**0**		**% of sample**	1	12/15/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-6 @ 9'
Work Order: 23121075 **Collection Date:** 12/7/2023 11:50:00 AM
Project: West State Street 20-393A
Lab ID: 23121075-03 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **12/14/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	12/15/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **12/14/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	12/14/2023
Barium	**4.5**	**1.0**	**1.0**		**mg/Kg-dry**	1	12/14/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	12/14/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	12/14/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	12/14/2023
Lead	ND	10	10		mg/Kg-dry	1	12/14/2023
Selenium	ND	0.27	0.20		mg/Kg-dry	1	12/14/2023
Silver	ND	0.27	0.10		mg/Kg-dry	1	12/14/2023
Zinc	**3.3**	**1.0**	**1.0**		**mg/Kg-dry**	1	12/14/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **12/15/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	12/20/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	12/20/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	12/20/2023
Anthracene	ND	330	330		µg/Kg-dry	1	12/20/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	12/20/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	12/20/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	12/20/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	12/20/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	12/20/2023
Chrysene	ND	330	330		µg/Kg-dry	1	12/20/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	12/20/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	12/20/2023
Fluorene	ND	330	330		µg/Kg-dry	1	12/20/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	12/20/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	12/20/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	12/20/2023
Pyrene	ND	330	330		µg/Kg-dry	1	12/20/2023
Surr: 2-Fluorobiphenyl	*93.1*	*20-140*			*%REC*	1	12/20/2023
Surr: 4-Terphenyl-d14	*97.2*	*22-172*			*%REC*	1	12/20/2023
Surr: Nitrobenzene-d5	*103*	*28-140*			*%REC*	1	12/20/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **12/13/2023**		Analyst: **SBR**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	12/18/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *21-Dec-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-6 @ 9'
Work Order:	23121075	**Collection Date:**	12/7/2023 11:50:00 AM
Project:	West State Street 20-393A		
Lab ID:	23121075-03	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	12/18/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	12/18/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	12/18/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	12/18/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	12/18/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	12/18/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	12/18/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	12/18/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	12/18/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	12/18/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	12/18/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	12/18/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	12/18/2023
Benzene	ND	50	50		µg/Kg-dry	1	12/18/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Bromoform	ND	100	100		µg/Kg-dry	1	12/18/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	12/18/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	12/18/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	12/18/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	12/18/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	12/18/2023
Chloroform	ND	50	50		µg/Kg-dry	1	12/18/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	12/18/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/18/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	12/18/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	12/18/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	12/18/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	12/18/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	12/18/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	12/18/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-6 @ 9'
Work Order: 23121075 **Collection Date:** 12/7/2023 11:50:00 AM
Project: West State Street 20-393A
Lab ID: 23121075-03 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	12/18/2023
Methyl iodide	ND	560	100		µg/Kg-dry	1	12/18/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	12/18/2023
Methylene chloride	ND	280	100		µg/Kg-dry	1	12/18/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	12/18/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	12/18/2023
Styrene	ND	50	50		µg/Kg-dry	1	12/18/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
Toluene	ND	100	100		µg/Kg-dry	1	12/18/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/18/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	12/18/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	12/18/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	12/18/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	12/18/2023
Surr: 1,2-Dichloroethane-d4	*94.8*	*80-120*			*%REC*	1	12/18/2023
Surr: 4-Bromofluorobenzene	*102*	*80-120*			*%REC*	1	12/18/2023
Surr: Dibromofluoromethane	*89.5*	*80-120*			*%REC*	1	12/18/2023
Surr: Toluene-d8	*104*	*80-120*			*%REC*	1	12/18/2023
MOISTURE			**SW3550C**				Analyst: **CLJ**
Moisture	**7.8**	**0.10**	**0**		**% of sample**	1	12/15/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *21-Dec-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-6 @ 11'
Work Order:	23121075	**Collection Date:**	12/7/2023 12:20:00 PM
Project:	West State Street 20-393A		
Lab ID:	23121075-04	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **12/14/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	12/15/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **12/14/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	12/14/2023
Barium	**4.3**	**1.0**	**1.0**		**mg/Kg-dry**	1	12/14/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	12/14/2023
Chromium	ND	2.0	2.0		mg/Kg-dry	1	12/14/2023
Copper	ND	1.0	1.0		mg/Kg-dry	1	12/14/2023
Lead	ND	10	10		mg/Kg-dry	1	12/14/2023
Selenium	ND	0.29	0.20		mg/Kg-dry	1	12/14/2023
Silver	ND	0.29	0.10		mg/Kg-dry	1	12/14/2023
Zinc	**3.4**	**1.0**	**1.0**		**mg/Kg-dry**	1	12/14/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **12/15/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	12/20/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	12/20/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	12/20/2023
Anthracene	ND	330	330		µg/Kg-dry	1	12/20/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	12/20/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	12/20/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	12/20/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	12/20/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	12/20/2023
Chrysene	ND	330	330		µg/Kg-dry	1	12/20/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	12/20/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	12/20/2023
Fluorene	ND	330	330		µg/Kg-dry	1	12/20/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	12/20/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	12/20/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	12/20/2023
Pyrene	ND	330	330		µg/Kg-dry	1	12/20/2023
Surr: 2-Fluorobiphenyl	*96.5*	*20-140*			*%REC*	1	12/20/2023
Surr: 4-Terphenyl-d14	*101*	*22-172*			*%REC*	1	12/20/2023
Surr: Nitrobenzene-d5	*107*	*28-140*			*%REC*	1	12/20/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **12/13/2023**		Analyst: **SBR**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	12/18/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-6 @ 11'
Work Order: 23121075 **Collection Date:** 12/7/2023 12:20:00 PM
Project: West State Street 20-393A
Lab ID: 23121075-04 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	12/18/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	12/18/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	12/18/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	12/18/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	12/18/2023
1,2-Dibromoethane	ND	37	20		µg/Kg-dry	1	12/18/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	12/18/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	12/18/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	12/18/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	12/18/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	12/18/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	12/18/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	12/18/2023
Benzene	ND	50	50		µg/Kg-dry	1	12/18/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Bromoform	ND	100	100		µg/Kg-dry	1	12/18/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	12/18/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	12/18/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	12/18/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	12/18/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	12/18/2023
Chloroform	ND	50	50		µg/Kg-dry	1	12/18/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	12/18/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/18/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	12/18/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	12/18/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	12/18/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	12/18/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	12/18/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	12/18/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-6 @ 11'
Work Order: 23121075 **Collection Date:** 12/7/2023 12:20:00 PM
Project: West State Street 20-393A
Lab ID: 23121075-04 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	12/18/2023
Methyl iodide	ND	620	100		µg/Kg-dry	1	12/18/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	12/18/2023
Methylene chloride	ND	310	100		µg/Kg-dry	1	12/18/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	12/18/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	12/18/2023
Styrene	ND	50	50		µg/Kg-dry	1	12/18/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
Toluene	ND	100	100		µg/Kg-dry	1	12/18/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/18/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	12/18/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	12/18/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	12/18/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	12/18/2023
Surr: 1,2-Dichloroethane-d4	*95.6*	*80-120*			*%REC*	1	12/18/2023
Surr: 4-Bromofluorobenzene	*97.3*	*80-120*			*%REC*	1	12/18/2023
Surr: Dibromofluoromethane	*91.2*	*80-120*			*%REC*	1	12/18/2023
Surr: Toluene-d8	*105*	*80-120*			*%REC*	1	12/18/2023
MOISTURE			**SW3550C**				Analyst: **CLJ**
Moisture	**9.1**	**0.10**	**0**		**% of sample**	1	12/15/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-7 @ 6'
Work Order:	23121075	**Collection Date:**	12/7/2023 2:25:00 PM
Project:	West State Street 20-393A		
Lab ID:	23121075-05	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **12/14/2023**		Analyst: **KRA**
Mercury	**0.14**	**0.050**	**0.050**		**mg/Kg-dry**	1	12/15/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **12/14/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	12/14/2023
Barium	**54**	**1.0**	**1.0**		**mg/Kg-dry**	1	12/14/2023
Cadmium	**0.50**	**0.20**	**0.20**		**mg/Kg-dry**	1	12/14/2023
Chromium	**3.9**	**2.0**	**2.0**		**mg/Kg-dry**	1	12/14/2023
Copper	**19**	**3.1**	**1.0**		**mg/Kg-dry**	10	12/15/2023
Lead	**280**	**10**	**10**		**mg/Kg-dry**	10	12/15/2023
Selenium	ND	0.31	0.20		mg/Kg-dry	1	12/14/2023
Silver	ND	0.31	0.10		mg/Kg-dry	1	12/14/2023
Zinc	**130**	**6.3**	**1.0**		**mg/Kg-dry**	10	12/15/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **12/15/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	12/20/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	12/20/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	12/20/2023
Anthracene	**760**	**330**	**330**		**µg/Kg-dry**	1	12/20/2023
Benzo(a)anthracene	**950**	**330**	**330**		**µg/Kg-dry**	1	12/20/2023
Benzo(a)pyrene	**750**	**330**	**330**		**µg/Kg-dry**	1	12/20/2023
Benzo(b)fluoranthene	**960**	**330**	**330**		**µg/Kg-dry**	1	12/20/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	12/20/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	12/20/2023
Chrysene	**970**	**330**	**330**		**µg/Kg-dry**	1	12/20/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	12/20/2023
Fluoranthene	**2,400**	**330**	**330**		**µg/Kg-dry**	1	12/20/2023
Fluorene	**360**	**330**	**330**		**µg/Kg-dry**	1	12/20/2023
Indeno(1,2,3-cd)pyrene	**370**	**330**	**330**		**µg/Kg-dry**	1	12/20/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	12/20/2023
Phenanthrene	**2,900**	**330**	**330**		**µg/Kg-dry**	1	12/20/2023
Pyrene	**1,700**	**330**	**330**		**µg/Kg-dry**	1	12/20/2023
Surr: 2-Fluorobiphenyl	*60.5*	*20-140*			*%REC*	1	12/20/2023
Surr: 4-Terphenyl-d14	*55.7*	*22-172*			*%REC*	1	12/20/2023
Surr: Nitrobenzene-d5	*68.4*	*28-140*			*%REC*	1	12/20/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **12/13/2023**		Analyst: **SBR**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	12/18/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *21-Dec-23*

Client:	Otwell Mawby, P. C.	**Client Sample ID:**	HA-7 @ 6'
Work Order:	23121075	**Collection Date:**	12/7/2023 2:25:00 PM
Project:	West State Street 20-393A		
Lab ID:	23121075-05	**Matrix:**	SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	12/18/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	12/18/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	12/18/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	12/18/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
1,2-Dibromo-3-chloropropane	ND	120	10		µg/Kg-dry	1	12/18/2023
1,2-Dibromoethane	ND	36	20		µg/Kg-dry	1	12/18/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,3,5-Trimethylbenzene	ND	120	100		µg/Kg-dry	1	12/18/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	12/18/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	12/18/2023
2-Methylnaphthalene	**460**	**330**	**330**		**µg/Kg-dry**	1	12/18/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	12/18/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	12/18/2023
Acrylonitrile	ND	120	100		µg/Kg-dry	1	12/18/2023
Benzene	ND	50	50		µg/Kg-dry	1	12/18/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Bromoform	ND	100	100		µg/Kg-dry	1	12/18/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	12/18/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	12/18/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	12/18/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	12/18/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	12/18/2023
Chloroform	ND	50	50		µg/Kg-dry	1	12/18/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	12/18/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/18/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	12/18/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	12/18/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	12/18/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	12/18/2023
Hexachloroethane	ND	120	0		µg/Kg-dry	1	12/18/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	12/18/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-7 @ 6'
Work Order: 23121075 **Collection Date:** 12/7/2023 2:25:00 PM
Project: West State Street 20-393A
Lab ID: 23121075-05 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	12/18/2023
Methyl iodide	ND	600	100		µg/Kg-dry	1	12/18/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	12/18/2023
Methylene chloride	ND	300	100		µg/Kg-dry	1	12/18/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	12/18/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	12/18/2023
Styrene	ND	50	50		µg/Kg-dry	1	12/18/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
Toluene	ND	100	100		µg/Kg-dry	1	12/18/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/18/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	12/18/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	12/18/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	12/18/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	12/18/2023
Surr: 1,2-Dichloroethane-d4	*94.5*	*80-120*			*%REC*	1	12/18/2023
Surr: 4-Bromofluorobenzene	*102*	*80-120*			*%REC*	1	12/18/2023
Surr: Dibromofluoromethane	*89.2*	*80-120*			*%REC*	1	12/18/2023
Surr: Toluene-d8	*105*	*80-120*			*%REC*	1	12/18/2023
MOISTURE			**SW3550C**				Analyst: **CLJ**
Moisture	**4.1**	**0.10**	**0**		**% of sample**	1	12/15/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-7 @ 8.5'
Work Order: 23121075 **Collection Date:** 12/7/2023 3:00:00 PM
Project: West State Street 20-393A
Lab ID: 23121075-06 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7471B**		Prep Date: **12/14/2023**		Analyst: **KRA**
Mercury	ND	0.050	0.050		mg/Kg-dry	1	12/15/2023
METALS BY ICP-MS			**SW6020B**		Prep Date: **12/14/2023**		Analyst: **STP**
Arsenic	ND	2.0	2.0		mg/Kg-dry	1	12/14/2023
Barium	**14**	**1.0**	**1.0**		**mg/Kg-dry**	1	12/14/2023
Cadmium	ND	0.20	0.20		mg/Kg-dry	1	12/14/2023
Chromium	**2.4**	**2.0**	**2.0**		**mg/Kg-dry**	1	12/14/2023
Copper	**4.0**	**1.0**	**1.0**		**mg/Kg-dry**	1	12/14/2023
Lead	**46**	**10**	**10**		**mg/Kg-dry**	1	12/14/2023
Selenium	ND	0.31	0.20		mg/Kg-dry	1	12/14/2023
Silver	ND	0.31	0.10		mg/Kg-dry	1	12/14/2023
Zinc	**27**	**1.0**	**1.0**		**mg/Kg-dry**	1	12/14/2023
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)			**SW8270E**		Prep Date: **12/15/2023**		Analyst: **SMT**
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	12/20/2023
Acenaphthene	ND	330	330		µg/Kg-dry	1	12/20/2023
Acenaphthylene	ND	330	330		µg/Kg-dry	1	12/20/2023
Anthracene	ND	330	330		µg/Kg-dry	1	12/20/2023
Benzo(a)anthracene	ND	330	330		µg/Kg-dry	1	12/20/2023
Benzo(a)pyrene	ND	330	330		µg/Kg-dry	1	12/20/2023
Benzo(b)fluoranthene	ND	330	330		µg/Kg-dry	1	12/20/2023
Benzo(g,h,i)perylene	ND	330	330		µg/Kg-dry	1	12/20/2023
Benzo(k)fluoranthene	ND	330	330		µg/Kg-dry	1	12/20/2023
Chrysene	ND	330	330		µg/Kg-dry	1	12/20/2023
Dibenzo(a,h)anthracene	ND	330	330		µg/Kg-dry	1	12/20/2023
Fluoranthene	ND	330	330		µg/Kg-dry	1	12/20/2023
Fluorene	ND	330	330		µg/Kg-dry	1	12/20/2023
Indeno(1,2,3-cd)pyrene	ND	330	330		µg/Kg-dry	1	12/20/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	12/20/2023
Phenanthrene	ND	330	330		µg/Kg-dry	1	12/20/2023
Pyrene	ND	330	330		µg/Kg-dry	1	12/20/2023
Surr: 2-Fluorobiphenyl	*89.2*	*20-140*			*%REC*	1	12/20/2023
Surr: 4-Terphenyl-d14	*85.5*	*22-172*			*%REC*	1	12/20/2023
Surr: Nitrobenzene-d5	*99.8*	*28-140*			*%REC*	1	12/20/2023
VOLATILE ORGANIC COMPOUNDS			**SW8260D**		Prep Date: **12/13/2023**		Analyst: **SBR**
1,1,1,2-Tetrachloroethane	ND	100	100		µg/Kg-dry	1	12/18/2023
1,1,1-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,1,2,2-Tetrachloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,1,2-Trichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-7 @ 8.5'
Work Order: 23121075 **Collection Date:** 12/7/2023 3:00:00 PM
Project: West State Street 20-393A
Lab ID: 23121075-06 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	ND	250	250		µg/Kg-dry	1	12/18/2023
1,1-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,1-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
1,2,3-Trichloropropane	ND	100	100		µg/Kg-dry	1	12/18/2023
1,2,3-Trimethylbenzene	ND	250	250		µg/Kg-dry	1	12/18/2023
1,2,4-Trichlorobenzene	ND	250	250		µg/Kg-dry	1	12/18/2023
1,2,4-Trimethylbenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
1,2-Dibromo-3-chloropropane	ND	110	10		µg/Kg-dry	1	12/18/2023
1,2-Dibromoethane	ND	34	20		µg/Kg-dry	1	12/18/2023
1,2-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
1,2-Dichloroethane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,2-Dichloropropane	ND	50	50		µg/Kg-dry	1	12/18/2023
1,3,5-Trimethylbenzene	ND	110	100		µg/Kg-dry	1	12/18/2023
1,3-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
1,4-Dichlorobenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
2-Butanone	ND	750	750		µg/Kg-dry	1	12/18/2023
2-Hexanone	ND	2,500	2,500		µg/Kg-dry	1	12/18/2023
2-Methylnaphthalene	ND	330	330		µg/Kg-dry	1	12/18/2023
4-Methyl-2-pentanone	ND	2,500	2,500		µg/Kg-dry	1	12/18/2023
Acetone	ND	1,000	1,000		µg/Kg-dry	1	12/18/2023
Acrylonitrile	ND	110	100		µg/Kg-dry	1	12/18/2023
Benzene	ND	50	50		µg/Kg-dry	1	12/18/2023
Bromochloromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Bromodichloromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Bromoform	ND	100	100		µg/Kg-dry	1	12/18/2023
Bromomethane	ND	200	200		µg/Kg-dry	1	12/18/2023
Carbon disulfide	ND	250	250		µg/Kg-dry	1	12/18/2023
Carbon tetrachloride	ND	50	50		µg/Kg-dry	1	12/18/2023
Chlorobenzene	ND	50	50		µg/Kg-dry	1	12/18/2023
Chloroethane	ND	250	250		µg/Kg-dry	1	12/18/2023
Chloroform	ND	50	50		µg/Kg-dry	1	12/18/2023
Chloromethane	ND	250	250		µg/Kg-dry	1	12/18/2023
cis-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
cis-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/18/2023
Dibromochloromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Dibromomethane	ND	250	250		µg/Kg-dry	1	12/18/2023
Dichlorodifluoromethane	ND	250	250		µg/Kg-dry	1	12/18/2023
Diethyl ether	ND	200	200		µg/Kg-dry	1	12/18/2023
Ethylbenzene	ND	50	50		µg/Kg-dry	1	12/18/2023
Hexachloroethane	ND	110	0		µg/Kg-dry	1	12/18/2023
Isopropylbenzene	ND	250	250		µg/Kg-dry	1	12/18/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C. **Client Sample ID:** HA-7 @ 8.5'
Work Order: 23121075 **Collection Date:** 12/7/2023 3:00:00 PM
Project: West State Street 20-393A
Lab ID: 23121075-06 **Matrix:** SOIL

Analyses	Result	Report Limit	MDEQ OP Memo 2 TDL	Qual	Units	Dilution Factor	Date Analyzed
m,p-Xylene	ND	100	100		µg/Kg-dry	1	12/18/2023
Methyl iodide	ND	570	100		µg/Kg-dry	1	12/18/2023
Methyl tert-butyl ether	ND	250	250		µg/Kg-dry	1	12/18/2023
Methylene chloride	ND	290	100		µg/Kg-dry	1	12/18/2023
Naphthalene	ND	330	330		µg/Kg-dry	1	12/18/2023
n-Propylbenzene	ND	100	100		µg/Kg-dry	1	12/18/2023
o-Xylene	ND	50	50		µg/Kg-dry	1	12/18/2023
Styrene	ND	50	50		µg/Kg-dry	1	12/18/2023
Tetrachloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
Toluene	ND	100	100		µg/Kg-dry	1	12/18/2023
trans-1,2-Dichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
trans-1,3-Dichloropropene	ND	50	50		µg/Kg-dry	1	12/18/2023
trans-1,4-Dichloro-2-butene	ND	50	50		µg/Kg-dry	1	12/18/2023
Trichloroethene	ND	50	50		µg/Kg-dry	1	12/18/2023
Trichlorofluoromethane	ND	100	100		µg/Kg-dry	1	12/18/2023
Vinyl acetate	ND	5,000	5,000		µg/Kg-dry	1	12/18/2023
Vinyl chloride	ND	40	40		µg/Kg-dry	1	12/18/2023
Xylenes, Total	ND	150	150		µg/Kg-dry	1	12/18/2023
Surr: 1,2-Dichloroethane-d4	*93.5*	*80-120*			*%REC*	1	12/18/2023
Surr: 4-Bromofluorobenzene	*99.7*	*80-120*			*%REC*	1	12/18/2023
Surr: Dibromofluoromethane	*89.0*	*80-120*			*%REC*	1	12/18/2023
Surr: Toluene-d8	*105*	*80-120*			*%REC*	1	12/18/2023
MOISTURE			**SW3550C**				Analyst: **CLJ**
Moisture	**0.88**	**0.10**	**0**		**% of sample**	1	12/15/2023

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Otwell Mawby, P. C.
Project: West State Street 20-393A
WorkOrder: **23121075**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

Units Reported	Description
% of sample	Percent of Sample
µg/Kg-dry	Micrograms per Kilogram Dry Weight
mg/Kg-dry	Milligrams per Kilogram Dry Weight

ALS Group, USA
Holland, Michigan

Sample Receipt Checklist

Client Name: **OTWELL** Date/Time Received: **12-Dec-23 09:00**

Work Order: **23121075** Received by: **JD**

Checklist completed by Jason Delinger (eSignature) 13-Dec-23 (Date) Reviewed by: Tim Gates (eSignature) 13-Dec-23 (Date)

Matrices: Soil
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.9/2.9 c	DF2	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	12/13/2023 10:17:11 AM		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	_		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

ALS Group, USA

Date: 21-Dec-23

Client: Otwell Mawby, P. C.

Work Order: 23121075

Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **230979** Instrument ID **HG5** Method: **SW7471B**

MBLK Sample ID: **MBLK-230979-230979** Units: **mg/Kg** Analysis Date: **12/15/2023 12:28 PM**

Client ID: Run ID: **HG5_231215A** SeqNo: **10320439** Prep Date: **12/14/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.020								

LCS Sample ID: **LCS-230979-230979** Units: **mg/Kg** Analysis Date: **12/15/2023 12:30 PM**

Client ID: Run ID: **HG5_231215A** SeqNo: **10320440** Prep Date: **12/14/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.17	0.020	0.1665	0	102	80-120	0			

MS Sample ID: **23121075-02AMS** Units: **mg/Kg** Analysis Date: **12/15/2023 12:49 PM**

Client ID: **HA-5 @ 6.5'** Run ID: **HG5_231215A** SeqNo: **10320450** Prep Date: **12/14/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1564	0.018	0.1461	0.00516	104	75-125	0			

The following samples were analyzed in this batch:

23121075-01A	23121075-02A	23121075-03A
23121075-04A	23121075-05A	23121075-06A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23121075
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **230935** Instrument ID **ICPMS3** Method: **SW6020B**

MBLK Sample ID: **MBLK-230935-230935** Units: **mg/Kg** Analysis Date: **12/14/2023 06:23 PM**
Client ID: Run ID: **ICPMS3_231214B** SeqNo: **10317750** Prep Date: **12/14/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Barium	ND	0.25								
Cadmium	ND	0.10								
Chromium	ND	0.25								
Copper	ND	0.25								
Lead	ND	0.25								
Selenium	ND	0.25								
Silver	ND	0.25								
Zinc	ND	0.50								

LCS Sample ID: **LCS-230935-230935** Units: **mg/Kg** Analysis Date: **12/14/2023 06:24 PM**
Client ID: Run ID: **ICPMS3_231214B** SeqNo: **10317751** Prep Date: **12/14/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.949	0.25	5	0	99	80-120	0			
Barium	5.116	0.25	5	0	102	80-120	0			
Cadmium	4.721	0.10	5	0	94.4	80-120	0			
Chromium	4.909	0.25	5	0	98.2	80-120	0			
Copper	4.813	0.25	5	0	96.3	80-120	0			
Lead	4.994	0.25	5	0	99.9	80-120	0			
Selenium	5.099	0.25	5	0	102	80-120	0			
Silver	4.639	0.25	5	0	92.8	80-120	0			
Zinc	4.852	0.50	5	0	97	80-120	0			

MS Sample ID: **23121131-12AMS** Units: **mg/Kg** Analysis Date: **12/14/2023 07:10 PM**
Client ID: Run ID: **ICPMS3_231214B** SeqNo: **10317777** Prep Date: **12/14/2023** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	191.1	3.1	6.234	148.8	679	75-125	0			SO
Barium	114.6	3.1	6.234	79.17	568	75-125	0			SO
Cadmium	10.07	1.2	6.234	2.751	117	75-125	0			
Chromium	25	3.1	6.234	12.14	206	75-125	0			S
Copper	149.3	3.1	6.234	111.8	601	75-125	0			SO
Lead	582.2	3.1	6.234	433.7	2380	75-125	0			SO
Selenium	8.736	3.1	6.234	1.487	116	75-125	0			
Silver	6.687	3.1	6.234	0.1957	104	75-125	0			
Zinc	927.2	6.2	6.234	673.7	4070	75-125	0			SO

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23121075
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **230935** Instrument ID **ICPMS3** Method: **SW6020B**

MSD Sample ID: **23121131-12AMSD** Units: **mg/Kg** Analysis Date: **12/14/2023 07:12 PM**

Client ID: Run ID: **ICPMS3_231214B** SeqNo: **10317778** Prep Date: **12/14/2023** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	117.6	3.0	5.96	148.8	-522	75-125	191.1	47.6	20	SRO
Barium	149.5	3.0	5.96	79.17	1180	75-125	114.6	26.4	20	SRO
Cadmium	10.2	1.2	5.96	2.751	125	75-125	10.07	1.3	20	S
Chromium	23.15	3.0	5.96	12.14	185	75-125	25	7.66	20	S
Copper	93.57	3.0	5.96	111.8	-306	75-125	149.3	45.9	20	SRO
Lead	306.6	3.0	5.96	433.7	-2130	75-125	582.2	62	20	SRO
Selenium	8.742	3.0	5.96	1.487	122	75-125	8.736	0.0679	20	
Silver	7.018	3.0	5.96	0.1957	114	75-125	6.687	4.83	20	
Zinc	781.2	6.0	5.96	673.7	1800	75-125	927.2	17.1	20	SO

The following samples were analyzed in this batch:

23121075-01A	23121075-02A	23121075-03A
23121075-04A	23121075-05A	23121075-06A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **231055** Instrument ID **SVMS6** Method: **SW8270E**

MBLK Sample ID: **SBLKS1-231055-231055** Units: **µg/Kg** Analysis Date: **12/19/2023 07:33 PM**

Client ID: Run ID: **SVMS6_231219A** SeqNo: **10336410** Prep Date: **12/15/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	ND	4.2								
Acenaphthene	ND	4.2								
Acenaphthylene	ND	4.2								
Anthracene	ND	4.2								
Benzo(a)anthracene	ND	4.2								
Benzo(a)pyrene	ND	4.2								
Benzo(b)fluoranthene	ND	4.2								
Benzo(g,h,i)perylene	ND	4.2								
Benzo(k)fluoranthene	ND	4.2								
Chrysene	ND	4.2								
Dibenzo(a,h)anthracene	ND	4.2								
Fluoranthene	ND	4.2								
Fluorene	ND	4.2								
Indeno(1,2,3-cd)pyrene	ND	4.2								
Naphthalene	ND	4.2								
Phenanthrene	ND	4.2								
Pyrene	3.867	4.2								J
Surr: 2-Fluorobiphenyl	*619.1*	0	*666.6*	0	*92.9*	*20-140*	0			
Surr: 4-Terphenyl-d14	*642.6*	0	*666.6*	0	*96.4*	*22-172*	0			
Surr: Nitrobenzene-d5	*688.7*	0	*666.6*	0	*103*	*28-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23121075
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **231055** Instrument ID **SVMS6** Method: **SW8270E**

LCS	Sample ID: **SLCSS1-231055-231055**				Units: **µg/Kg**		Analysis Date: **12/19/2023 07:48 PM**			
Client ID:		Run ID: **SVMS6_231219A**			SeqNo: **10336411**		Prep Date: **12/15/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	759.2	4.2	666.6	0	114	30-150	0			
Acenaphthene	791.1	4.2	666.6	0	119	47-140	0			
Acenaphthylene	799.5	4.2	666.6	0	120	45-132	0			
Anthracene	815.4	4.2	666.6	0	122	50-142	0			
Benzo(a)anthracene	795	4.2	666.6	0	119	45-143	0			
Benzo(a)pyrene	797.1	4.2	666.6	0	120	41-141	0			
Benzo(b)fluoranthene	725.5	4.2	666.6	0	109	40-140	0			
Benzo(g,h,i)perylene	751.8	4.2	666.6	0	113	31-158	0			
Benzo(k)fluoranthene	747.1	4.2	666.6	0	112	40-140	0			
Chrysene	785.6	4.2	666.6	0	118	46-150	0			
Dibenzo(a,h)anthracene	767.7	4.2	666.6	0	115	33-152	0			
Fluoranthene	813.3	4.2	666.6	0	122	49-140	0			
Fluorene	796.8	4.2	666.6	0	120	43-140	0			
Indeno(1,2,3-cd)pyrene	817.1	4.2	666.6	0	123	29-153	0			
Naphthalene	839.8	4.2	666.6	0	126	47-142	0			
Phenanthrene	797	4.2	666.6	0	120	44-140	0			
Pyrene	677.6	4.2	666.6	0	102	36-142	0			
Surr: 2-Fluorobiphenyl	*620.3*	0	*666.6*	0	*93.1*	*20-140*	0			
Surr: 4-Terphenyl-d14	*641.5*	0	*666.6*	0	*96.2*	*22-172*	0			
Surr: Nitrobenzene-d5	*663.1*	0	*666.6*	0	*99.5*	*28-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23121075
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **231055** Instrument ID **SVMS6** Method: **SW8270E**

MS Sample ID: **23121075-04A MS** Units: **µg/Kg** Analysis Date: **12/20/2023 04:04 AM**

Client ID: **HA-6 @ 11'** Run ID: **SVMS6_231219A** SeqNo: **10336412** Prep Date: **12/15/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	799.6	4.1	659.4	0	121	30-150	0			
Acenaphthene	761.9	4.1	659.4	0	116	47-140	0			
Acenaphthylene	781.5	4.1	659.4	0	119	45-132	0			
Anthracene	793.4	4.1	659.4	0	120	50-142	0			
Benzo(a)anthracene	768.5	4.1	659.4	8.947	115	45-143	0			
Benzo(a)pyrene	773.3	4.1	659.4	12.64	115	41-141	0			
Benzo(b)fluoranthene	746.4	4.1	659.4	13.87	111	40-140	0			
Benzo(g,h,i)perylene	583	4.1	659.4	5.937	87.5	31-158	0			
Benzo(k)fluoranthene	725.5	4.1	659.4	6.461	109	40-140	0			
Chrysene	764.4	4.1	659.4	11.69	114	46-150	0			
Dibenzo(a,h)anthracene	613	4.1	659.4	1.178	92.8	33-152	0			
Fluoranthene	778	4.1	659.4	14.31	116	49-140	0			
Fluorene	773.4	4.1	659.4	0	117	43-140	0			
Indeno(1,2,3-cd)pyrene	641.1	4.1	659.4	6.706	96.2	29-153	0			
Naphthalene	819.9	4.1	659.4	0	124	47-142	0			
Phenanthrene	772.5	4.1	659.4	0	117	44-140	0			
Pyrene	654.7	4.1	659.4	18.78	96.4	36-142	0			
Surr: 2-Fluorobiphenyl	*619.2*	0	*659.4*	0	*93.9*	*20-140*	0			
Surr: 4-Terphenyl-d14	*624.7*	0	*659.4*	0	*94.7*	*22-172*	0			
Surr: Nitrobenzene-d5	*686.1*	0	*659.4*	0	*104*	*28-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23121075
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **231055** Instrument ID **SVMS6** Method: **SW8270E**

MSD Sample ID: **23121075-04A MSD** Units: **µg/Kg** Analysis Date: **12/20/2023 04:20 AM**
Client ID: **HA-6 @ 11'** Run ID: **SVMS6_231219A** SeqNo: **10336413** Prep Date: **12/15/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	788.9	4.1	650.3	0	121	30-150	799.6	1.35	30	
Acenaphthene	754	4.1	650.3	0	116	47-140	761.9	1.04	30	
Acenaphthylene	771.5	4.1	650.3	0	119	45-132	781.5	1.28	30	
Anthracene	786.3	4.1	650.3	0	121	50-142	793.4	0.904	30	
Benzo(a)anthracene	757.4	4.1	650.3	8.947	115	45-143	768.5	1.46	30	
Benzo(a)pyrene	765.8	4.1	650.3	12.64	116	41-141	773.3	0.968	30	
Benzo(b)fluoranthene	723.8	4.1	650.3	13.87	109	40-140	746.4	3.08	30	
Benzo(g,h,i)perylene	566.6	4.1	650.3	5.937	86.2	31-158	583	2.86	30	
Benzo(k)fluoranthene	735.7	4.1	650.3	6.461	112	40-140	725.5	1.39	30	
Chrysene	750.4	4.1	650.3	11.69	114	46-150	764.4	1.84	30	
Dibenzo(a,h)anthracene	595.7	4.1	650.3	1.178	91.4	33-152	613	2.86	30	
Fluoranthene	763.9	4.1	650.3	14.31	115	49-140	778	1.83	30	
Fluorene	765	4.1	650.3	0	118	43-140	773.4	1.09	30	
Indeno(1,2,3-cd)pyrene	629.6	4.1	650.3	6.706	95.8	29-153	641.1	1.81	30	
Naphthalene	806	4.1	650.3	0	124	47-142	819.9	1.7	30	
Phenanthrene	767.8	4.1	650.3	0	118	44-140	772.5	0.613	30	
Pyrene	646.1	4.1	650.3	18.78	96.5	36-142	654.7	1.31	30	
Surr: 2-Fluorobiphenyl	*611.1*	0	*650.3*	0	*94*	*20-140*	619.2	*1.31*	*30*	
Surr: 4-Terphenyl-d14	*609.3*	0	*650.3*	0	*93.7*	*22-172*	624.7	*2.49*	*30*	
Surr: Nitrobenzene-d5	*672.4*	0	*650.3*	0	*103*	*28-140*	686.1	*2.02*	*30*	

The following samples were analyzed in this batch:

23121075-01A	23121075-02A	23121075-03A
23121075-04A	23121075-05A	23121075-06A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **230900** Instrument ID **VMS8** Method: **SW8260D**

MBLK	Sample ID: **MBLK-230900-230900**				Units: **µg/Kg-dry**		Analysis Date: **12/18/2023 04:22 PM**			
Client ID:		Run ID: **VMS8_231218A**			SeqNo: **10329467**		Prep Date: **12/13/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	30								
1,1,1-Trichloroethane	ND	30								
1,1,2,2-Tetrachloroethane	ND	30								
1,1,2-Trichloroethane	ND	30								
1,1,2-Trichlorotrifluoroethane	ND	30								
1,1-Dichloroethane	ND	30								
1,1-Dichloroethene	ND	30								
1,2,3-Trichloropropane	ND	30								
1,2,3-Trimethylbenzene	ND	30								
1,2,4-Trichlorobenzene	ND	100								
1,2,4-Trimethylbenzene	ND	30								
1,2-Dibromo-3-chloropropane	ND	100								
1,2-Dibromoethane	ND	30								
1,2-Dichlorobenzene	ND	30								
1,2-Dichloroethane	ND	30								
1,2-Dichloropropane	ND	30								
1,3,5-Trimethylbenzene	ND	100								
1,3-Dichlorobenzene	ND	30								
1,4-Dichlorobenzene	ND	30								
2-Butanone	ND	200								
2-Hexanone	ND	30								
2-Methylnaphthalene	ND	100								
4-Methyl-2-pentanone	ND	30								
Acetone	ND	100								
Acrylonitrile	ND	100								
Benzene	ND	30								
Bromochloromethane	ND	30								
Bromodichloromethane	ND	30								
Bromoform	ND	30								
Bromomethane	ND	100								
Carbon disulfide	ND	30								
Carbon tetrachloride	ND	30								
Chlorobenzene	ND	30								
Chloroethane	ND	100								
Chloroform	ND	30								
Chloromethane	ND	100								
cis-1,2-Dichloroethene	ND	30								
cis-1,3-Dichloropropene	ND	30								
Dibromochloromethane	ND	30								
Dibromomethane	ND	30								
Dichlorodifluoromethane	ND	100								
Diethyl ether	ND	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **230900** Instrument ID **VMS8** Method: **SW8260D**

Ethylbenzene	ND	30					
Hexachloroethane	ND	100					
Isopropylbenzene	ND	30					
m,p-Xylene	ND	60					
Methyl iodide	ND	500					
Methyl tert-butyl ether	ND	30					
Methylene chloride	ND	250					
Naphthalene	ND	100					
n-Propylbenzene	ND	30					
o-Xylene	ND	30					
Styrene	ND	30					
Tetrachloroethene	ND	30					
Toluene	ND	30					
trans-1,2-Dichloroethene	ND	30					
trans-1,3-Dichloropropene	ND	30					
trans-1,4-Dichloro-2-butene	ND	30					
Trichloroethene	ND	30					
Trichlorofluoromethane	ND	30					
Vinyl acetate	ND	250					
Vinyl chloride	ND	30					
Xylenes, Total	ND	90					
Surr: 1,2-Dichloroethane-d4	*919.5*	0	*1000*	0	*92*	*80-120*	0
Surr: 4-Bromofluorobenzene	*1022*	0	*1000*	0	*102*	*80-120*	0
Surr: Dibromofluoromethane	*841*	0	*1000*	0	*84.1*	*80-120*	0
Surr: Toluene-d8	*1098*	0	*1000*	0	*110*	*80-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23121075
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **230900** Instrument ID **VMS8** Method: **SW8260D**

LCS	Sample ID: **LCS-230900-230900**				Units: **µg/Kg-dry**		Analysis Date: **12/18/2023 03:28 PM**			
Client ID:	Run ID: **VMS8_231218A**				SeqNo: **10329465**		Prep Date: **12/13/2023**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1054	30	1000	0	105	72-120	0			
1,1,1-Trichloroethane	1007	30	1000	0	101	75-121	0			
1,1,2,2-Tetrachloroethane	1081	30	1000	0	108	79-125	0			
1,1,2-Trichloroethane	1080	30	1000	0	108	80-123	0			
1,1,2-Trichlorotrifluoroethane	1046	30	1000	0	105	62-129	0			
1,1-Dichloroethane	1142	30	1000	0	114	74-124	0			
1,1-Dichloroethene	1199	30	1000	0	120	68-131	0			
1,2,3-Trichloropropane	962	30	1000	0	96.2	77-121	0			
1,2,3-Trimethylbenzene	1048	30	1000	0	105	76-127	0			
1,2,4-Trichlorobenzene	1144	100	1000	0	114	63-130	0			
1,2,4-Trimethylbenzene	1084	30	1000	0	108	64-126	0			
1,2-Dibromo-3-chloropropane	917	100	1000	0	91.7	55-135	0			
1,2-Dibromoethane	983.5	30	1000	0	98.4	63-155	0			
1,2-Dichlorobenzene	1030	30	1000	0	103	77-122	0			
1,2-Dichloroethane	966.5	30	1000	0	96.6	70-130	0			
1,2-Dichloropropane	1118	30	1000	0	112	71-130	0			
1,3,5-Trimethylbenzene	1178	100	1000	0	118	66-130	0			
1,3-Dichlorobenzene	1114	30	1000	0	111	78-121	0			
1,4-Dichlorobenzene	1076	30	1000	0	108	78-122	0			
2-Butanone	1252	200	1000	0	125	47-164	0			
2-Hexanone	1253	30	1000	0	125	70-137	0			
2-Methylnaphthalene	891.5	100	1000	0	89.2	50-150	0			
4-Methyl-2-pentanone	1208	30	1000	0	121	57-200	0			
Acetone	988.5	100	1000	0	98.8	52-190	0			
Acrylonitrile	1142	100	1000	0	114	61-142	0			
Benzene	1132	30	1000	0	113	78-122	0			
Bromochloromethane	1220	30	1000	0	122	68-130	0			
Bromodichloromethane	1006	30	1000	0	101	75-125	0			
Bromoform	819.5	30	1000	0	82	59-120	0			
Bromomethane	1234	100	1000	0	123	31-169	0			
Carbon disulfide	1250	30	1000	0	125	60-163	0			
Carbon tetrachloride	914.5	30	1000	0	91.4	69-123	0			
Chlorobenzene	957	30	1000	0	95.7	79-120	0			
Chloroethane	503.5	100	1000	0	50.4	38-132	0			
Chloroform	1082	30	1000	0	108	72-122	0			
Chloromethane	516	100	1000	0	51.6	24-119	0			
cis-1,2-Dichloroethene	1197	30	1000	0	120	74-125	0			
cis-1,3-Dichloropropene	1081	30	1000	0	108	62-124	0			
Dibromochloromethane	894	30	1000	0	89.4	57-123	0			
Dibromomethane	958.5	30	1000	0	95.8	70-128	0			
Dichlorodifluoromethane	832.5	100	1000	0	83.2	28-137	0			
Diethyl ether	1112	30	1000	0	111	65-159	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **230900** Instrument ID **VMS8** Method: **SW8260D**

Ethylbenzene	1048	30	1000	0	105	75-121	0	
Hexachloroethane	974.5	100	1000	0	97.4	57-134	0	
Isopropylbenzene	1034	30	1000	0	103	74-121	0	
m,p-Xylene	2092	60	2000	0	105	67-129	0	
Methyl iodide	5219	500	1000	0	522	10-200	0	SE
Methyl tert-butyl ether	1178	30	1000	0	118	79-139	0	
Methylene chloride	1118	250	1000	0	112	62-135	0	
Naphthalene	1068	100	1000	0	107	53-135	0	
n-Propylbenzene	1006	30	1000	0	101	65-128	0	
o-Xylene	1028	30	1000	0	103	75-120	0	
Styrene	1112	30	1000	0	111	74-126	0	
Tetrachloroethene	1136	30	1000	0	114	76-128	0	
Toluene	1115	30	1000	0	112	76-120	0	
trans-1,2-Dichloroethene	1212	30	1000	0	121	72-127	0	
trans-1,3-Dichloropropene	1128	30	1000	0	113	66-120	0	
trans-1,4-Dichloro-2-butene	829	30	1000	0	82.9	56-122	0	
Trichloroethene	1036	30	1000	0	104	75-122	0	
Trichlorofluoromethane	798.5	30	1000	0	79.8	51-115	0	
Vinyl chloride	912.5	30	1000	0	91.2	43-128	0	
Xylenes, Total	3119	90	3000	0	104	67-129	0	
Surr: 1,2-Dichloroethane-d4	*960*	0	*1000*	0	*96*	*80-120*	0	
Surr: 4-Bromofluorobenzene	*1001*	0	*1000*	0	*100*	*80-120*	0	
Surr: Dibromofluoromethane	*956.5*	0	*1000*	0	*95.6*	*80-120*	0	
Surr: Toluene-d8	*996.5*	0	*1000*	0	*99.6*	*80-120*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **230900** Instrument ID **VMS8** Method: **SW8260D**

MS Sample ID: **23121075-06B MS** Units: **µg/Kg-dry** Analysis Date: **12/18/2023 10:51 PM**
Client ID: **HA-7 @ 8.5'** Run ID: **VMS8_231218A** SeqNo: **10329558** Prep Date: **12/13/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1177	34	1144	0	103	72-120	0			
1,1,1-Trichloroethane	1175	34	1144	0	103	75-121	0			
1,1,2,2-Tetrachloroethane	1116	34	1144	0	97.6	79-125	0			
1,1,2-Trichloroethane	1218	34	1144	0	107	80-123	0			
1,1,2-Trichlorotrifluoroethane	1181	34	1144	0	103	62-129	0			
1,1-Dichloroethane	1132	34	1144	0	98.9	74-124	0			
1,1-Dichloroethene	1255	34	1144	0	110	68-131	0			
1,2,3-Trichloropropane	1051	34	1144	0	91.9	77-121	0			
1,2,3-Trimethylbenzene	1188	34	1144	0	104	76-127	0			
1,2,4-Trichlorobenzene	1259	110	1144	0	110	63-130	0			
1,2,4-Trimethylbenzene	1287	34	1144	0	113	64-126	0			
1,2-Dibromo-3-chloropropane	978.5	110	1144	0	85.6	55-135	0			
1,2-Dibromoethane	1132	34	1144	0	99	63-155	0			
1,2-Dichlorobenzene	1193	34	1144	0	104	77-122	0			
1,2-Dichloroethane	1043	34	1144	0	91.2	70-130	0			
1,2-Dichloropropane	1298	34	1144	0	114	71-130	0			
1,3,5-Trimethylbenzene	1326	110	1144	0	116	66-130	0			
1,3-Dichlorobenzene	1227	34	1144	0	107	78-121	0			
1,4-Dichlorobenzene	1208	34	1144	0	106	78-122	0			
2-Butanone	1062	230	1144	0	92.9	47-164	0			
2-Hexanone	1570	34	1144	0	137	70-137	0			S
2-Methylnaphthalene	1306	110	1144	46.32	110	50-150	0			
4-Methyl-2-pentanone	1727	34	1144	0	151	57-200	0			
Acetone	1952	110	1144	0	171	52-190	0			
Acrylonitrile	1085	110	1144	0	94.9	61-142	0			
Benzene	1315	34	1144	0	115	78-122	0			
Bromochloromethane	1285	34	1144	0	112	68-130	0			
Bromodichloromethane	1104	34	1144	0	96.6	75-125	0			
Bromoform	873.2	34	1144	0	76.4	59-120	0			
Bromomethane	1071	110	1144	0	93.6	31-169	0			
Carbon disulfide	1165	34	1144	0	102	60-163	0			
Carbon tetrachloride	1037	34	1144	0	90.7	69-123	0			
Chlorobenzene	1143	34	1144	0	100	79-120	0			
Chloroethane	582.2	110	1144	0	50.9	38-132	0			
Chloroform	1168	34	1144	0	102	72-122	0			
Chloromethane	535.8	110	1144	0	46.9	24-119	0			
cis-1,2-Dichloroethene	1271	34	1144	0	111	74-125	0			
cis-1,3-Dichloropropene	1203	34	1144	0	105	62-124	0			
Dibromochloromethane	950.4	34	1144	0	83.1	57-123	0			
Dibromomethane	1066	34	1144	0	93.2	70-128	0			
Dichlorodifluoromethane	781.2	110	1144	0	68.3	28-137	0			
Diethyl ether	1185	34	1144	0	104	65-159	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **230900** Instrument ID **VMS8** Method: **SW8260D**

Ethylbenzene	1224	34	1144	0	107	75-121	0	
Hexachloroethane	992.8	110	1144	0	86.8	57-134	0	
Isopropylbenzene	1199	34	1144	0	105	74-121	0	
m,p-Xylene	2428	69	2287	0	106	67-129	0	
Methyl iodide	5160	570	1144	0	451	10-200	0	S
Methyl tert-butyl ether	1323	34	1144	0	116	79-139	0	
Methylene chloride	1152	290	1144	0	101	62-135	0	
Naphthalene	1296	110	1144	15.44	112	53-135	0	
n-Propylbenzene	1171	34	1144	0	102	65-128	0	
o-Xylene	1209	34	1144	0	106	75-120	0	
Styrene	1287	34	1144	0	113	74-126	0	
Tetrachloroethene	2322	34	1144	0	203	76-128	0	S
Toluene	1337	34	1144	0	117	76-120	0	
trans-1,2-Dichloroethene	1299	34	1144	0	114	72-127	0	
trans-1,3-Dichloropropene	1260	34	1144	0	110	66-120	0	
trans-1,4-Dichloro-2-butene	923.6	34	1144	0	80.8	56-122	0	
Trichloroethene	1291	34	1144	0	113	75-122	0	
Trichlorofluoromethane	789.2	34	1144	0	69	51-115	0	
Vinyl chloride	933.3	34	1144	0	81.6	43-128	0	
Xylenes, Total	3638	100	3431	0	106	67-129	0	
Surr: 1,2-Dichloroethane-d4	*1017*	0	*1144*	0	*88.9*	*80-120*	0	
Surr: 4-Bromofluorobenzene	*1141*	0	*1144*	0	*99.7*	*80-120*	0	
Surr: Dibromofluoromethane	*1024*	0	*1144*	0	*89.5*	*80-120*	0	
Surr: Toluene-d8	*1163*	0	*1144*	0	*102*	*80-120*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23121075
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **230900** Instrument ID **VMS8** Method: **SW8260D**

MSD Sample ID: **23121075-06B MSD** Units: **µg/Kg-dry** Analysis Date: **12/18/2023 11:09 PM**

Client ID: **HA-7 @ 8.5'** Run ID: **VMS8_231218A** SeqNo: **10329559** Prep Date: **12/13/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	1220	34	1144	0	107	72-120	1177	3.63	30	
1,1,1-Trichloroethane	1213	34	1144	0	106	75-121	1175	3.16	30	
1,1,2,2-Tetrachloroethane	857.8	34	1144	0	75	79-125	1116	26.2	30	S
1,1,2-Trichloroethane	1220	34	1144	0	107	80-123	1218	0.14	30	
1,1,2-Trichlorotrifluoroethane	1148	34	1144	0	100	62-129	1181	2.85	30	
1,1-Dichloroethane	1278	34	1144	0	112	74-124	1132	12.1	30	
1,1-Dichloroethene	1286	34	1144	0	112	68-131	1255	2.43	30	
1,2,3-Trichloropropane	1054	34	1144	0	92.2	77-121	1051	0.272	30	
1,2,3-Trimethylbenzene	1149	34	1144	0	100	76-127	1188	3.38	30	
1,2,4-Trichlorobenzene	1253	110	1144	0	110	63-130	1259	0.501	30	
1,2,4-Trimethylbenzene	1260	34	1144	0	110	64-126	1287	2.16	30	
1,2-Dibromo-3-chloropropane	964.7	110	1144	0	84.4	55-135	978.5	1.41	30	
1,2-Dibromoethane	1105	34	1144	0	96.7	63-155	1132	2.4	30	
1,2-Dichlorobenzene	1176	34	1144	0	103	77-122	1193	1.5	30	
1,2-Dichloroethane	1120	34	1144	0	98	70-130	1043	7.14	30	
1,2-Dichloropropane	1306	34	1144	0	114	71-130	1298	0.571	30	
1,3,5-Trimethylbenzene	1296	110	1144	0	113	66-130	1326	2.27	30	
1,3-Dichlorobenzene	1180	34	1144	0	103	78-121	1227	3.9	30	
1,4-Dichlorobenzene	1181	34	1144	0	103	78-122	1208	2.25	30	
2-Butanone	1477	230	1144	0	129	47-164	1062	32.7	30	R
2-Hexanone	1610	34	1144	0	141	70-137	1570	2.55	30	S
2-Methylnaphthalene	1332	110	1144	46.32	112	50-150	1306	2	30	
4-Methyl-2-pentanone	1487	34	1144	0	130	57-200	1727	14.9	30	
Acetone	2171	110	1144	0	190	52-190	1952	10.6	30	
Acrylonitrile	1038	110	1144	0	90.8	61-142	1085	4.42	30	
Benzene	1357	34	1144	0	119	78-122	1315	3.17	30	
Bromochloromethane	1326	34	1144	0	116	68-130	1285	3.11	30	
Bromodichloromethane	1135	34	1144	0	99.3	75-125	1104	2.76	30	
Bromoform	867.5	34	1144	0	75.9	59-120	873.2	0.657	30	
Bromomethane	1223	110	1144	0	107	31-169	1071	13.3	30	
Carbon disulfide	1219	34	1144	0	107	60-163	1165	4.51	30	
Carbon tetrachloride	1070	34	1144	0	93.5	69-123	1037	3.09	30	
Chlorobenzene	1156	34	1144	0	101	79-120	1143	1.09	30	
Chloroethane	631.3	110	1144	0	55.2	38-132	582.2	8.11	30	
Chloroform	1180	34	1144	0	103	72-122	1168	0.974	30	
Chloromethane	519.3	110	1144	0	45.4	24-119	535.8	3.14	30	
cis-1,2-Dichloroethene	1323	34	1144	0	116	74-125	1271	4.01	30	
cis-1,3-Dichloropropene	1240	34	1144	0	108	62-124	1203	3	30	
Dibromochloromethane	965.9	34	1144	0	84.5	57-123	950.4	1.61	30	
Dibromomethane	1089	34	1144	0	95.2	70-128	1066	2.12	30	
Dichlorodifluoromethane	774.9	110	1144	0	67.8	28-137	781.2	0.808	30	
Diethyl ether	1197	34	1144	0	105	65-159	1185	1.01	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23121075
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **230900** Instrument ID **VMS8** Method: **SW8260D**

Ethylbenzene	1224	34	1144	0	107	75-121	1224	0	30	
Hexachloroethane	871.5	110	1144	0	76.2	57-134	992.8	13	30	
Isopropylbenzene	1146	34	1144	0	100	74-121	1199	4.54	30	
m,p-Xylene	2392	69	2287	0	105	67-129	2428	1.52	30	
Methyl iodide	5652	570	1144	0	494	10-200	5160	9.11	30	S
Methyl tert-butyl ether	1318	34	1144	0	115	79-139	1323	0.39	30	
Methylene chloride	1200	290	1144	0	105	62-135	1152	4.08	30	
Naphthalene	1303	110	1144	15.44	113	53-135	1296	0.528	30	
n-Propylbenzene	1117	34	1144	0	97.7	65-128	1171	4.7	30	
o-Xylene	1183	34	1144	0	103	75-120	1209	2.25	30	
Styrene	1284	34	1144	0	112	74-126	1287	0.178	30	
Tetrachloroethene	2239	34	1144	0	196	76-128	2322	3.66	30	S
Toluene	1306	34	1144	0	114	76-120	1337	2.34	30	
trans-1,2-Dichloroethene	1308	34	1144	0	114	72-127	1299	0.702	30	
trans-1,3-Dichloropropene	1250	34	1144	0	109	66-120	1260	0.82	30	
trans-1,4-Dichloro-2-butene	913.3	34	1144	0	79.9	56-122	923.6	1.12	30	
Trichloroethene	1539	34	1144	0	135	75-122	1291	17.6	30	S
Trichlorofluoromethane	817.2	34	1144	0	71.5	51-115	789.2	3.49	30	
Vinyl chloride	905.3	34	1144	0	79.2	43-128	933.3	3.05	30	
Xylenes, Total	3574	100	3431	0	104	67-129	3638	1.76	30	
Surr: 1,2-Dichloroethane-d4	*1033*	0	*1144*	0	*90.3*	*80-120*	1017	*1.56*	*30*	
Surr: 4-Bromofluorobenzene	*1125*	0	*1144*	0	*98.4*	*80-120*	1141	*1.41*	*30*	
Surr: Dibromofluoromethane	*1051*	0	*1144*	0	*91.9*	*80-120*	1024	*2.54*	*30*	
Surr: Toluene-d8	*1156*	0	*1144*	0	*101*	*80-120*	1163	*0.592*	*30*	

The following samples were analyzed in this batch:

23121075-01B	23121075-02B	23121075-03B
23121075-04B	23121075-05B	23121075-06B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Otwell Mawby, P. C.
Work Order: 23121075
Project: West State Street 20-393A

QC BATCH REPORT

Batch ID: **R391591** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **WBLKS-R391591** Units: **% of sample** Analysis Date: **12/15/2023 05:09 PM**
Client ID: Run ID: **MOIST_231215E** SeqNo: **10322700** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.10								

LCS Sample ID: **LCS-R391591** Units: **% of sample** Analysis Date: **12/15/2023 05:09 PM**
Client ID: Run ID: **MOIST_231215E** SeqNo: **10322699** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.10	100	0	100	98-102	0			

DUP Sample ID: **23121019-01A DUP** Units: **% of sample** Analysis Date: **12/15/2023 05:09 PM**
Client ID: Run ID: **MOIST_231215E** SeqNo: **10322685** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	1.67	0.10	0	0	0	0-0	1.6	4.28	10	

DUP Sample ID: **23121075-01A DUP** Units: **% of sample** Analysis Date: **12/15/2023 05:09 PM**
Client ID: **HA-5 @ 1'** Run ID: **MOIST_231215E** SeqNo: **10322688** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	6.24	0.10	0	0	0	0-0	6.09	2.43	10	

The following samples were analyzed in this batch:

23121075-01A	23121075-02A	23121075-03A
23121075-04A	23121075-05A	23121075-06A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

☑ ALS Environmental
781 Industrial Cir, Ste 3
Traverse City, Michigan 49686
(Tel) 231.421.3204
(Cell) 231.944.3459

Chain of Custody Form

Page 1 of 1

☐ ALS Environmental
3352 128th Avenue
Holland, Michigan 49424
(Tel) 616.399.6070
(Fax) 616.399.6185

ALS Project Manager: Gary Byar | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	West State Street	A	VOCs (Full List)
Work Order		Project Number	20-393A	B	Moisture
Company Name	Otwell Mawby, P. C.	Bill To Company	Otwell Mawby, P. C.	C	PNAs
PNA		Invoice Attn.	James Jackson	D	10 MI Metals
Address	309 E Front St. Suite 200	Address	309 E Front St. Suite 200	E	
City/State/Zip	Traverse City, MI 49684	City/State/Zip	Traverse City, MI 49684	F	
Phone	231-946-5200	Phone	231-946-5200	G	
Fax	231-946-5216	Fax	231-946-5216	H	
e-Mail Address	jjackson@otwellmawby.com			I	
				J	

23121075
OTWELL: Otwell Mawby, P. C.
Project: Otwell - West State Street

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	G	Hold
1	HA-5 @ 1'	12/7/2023	9:45 AM	Soil		2	X	X	X	X				
2	HA-5 @ 6.5'	12/7/2023	10:15 AM	Soil		2	X	X	X	X				
3	HA-6 @ 9'	12/7/2023	11:50 AM	Soil		2	X	X	X	X				
4	HA-6 @ 11'	12/7/2023	12:20 PM	Soil		2	X	X	X	X				
5	HA-7 @ 6'	12/7/2023	2:25 PM	Soil		2	X	X	X	X				
6	HA-7 @ 8.5'	12/7/2023	3:00 PM	Soil		2	X	X	X	X				
7														
8														
9														
10														

Sampler(s): Please Print & Sign
Steve Hemstreet

Shipment Method:

Required Turnaround Time: (Check Box) ☐ 10 Wk Days ☑ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Notes:
	12/11/23	9:15		12/11/23		Color: _____ Odor: _____
Relinquished by: TG to Fedex	Date: 12/11/23	Time:	Received by (Laboratory):	Date: 12-12-23	Time: 0900	
Logged by (Laboratory):	Date: 12-15-23	Time: 1020	Checked by (Laboratory): TG			

ALS Cooler ID	Cooler Temp	QC Package: (Check Box Below)	
	2.9C	☑ Level II: Standard QC	☐ Level III: Raw Data
	0.7-2	☐ TRRP LRC	☐ TRRP Level IV
		☐ Level IV: SW846 Methods/CLP like	
		☐ Other:	

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

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