

PHASE II ENVIRONMENTAL SITE ASSESSMENT

8920 LAISY AVENUE &
3420 EAST 93RD STREET
CLEVELAND, OHIO 44104

JUNE 2024

PREPARED FOR:
OHIO ENVIRONMENTAL PROTECTION AGENCY
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1.0 INTRODUCTION

The Mannik & Smith Group, Inc. (MSG) was retained by the Ohio Environmental Protection Agency (EPA) Division of Environmental Response and Revitalization to complete a Phase II Environmental Site Assessment (ESA) of Cuyahoga County parcel numbers 127-13-004 and 127-13-031 addressed at 3420 East 93rd Street and 8920 Laisy Avenue, Cleveland, Ohio 44104 (hereinafter the "Subject Property").

The Subject Property consists of a combined 11.75 acres of vacant commercial land situated between East 88th Street and East 93rd Street, both of which provide access to and from the Subject Property (Figures 1 and 2). No buildings are presently developed at the Subject Property. Concrete building foundations are present in the northwest, central, and eastern portions of the Subject Property and the remainder of the Subject Property consists of wooded and/or vacant land.

The Subject Property was first developed for industrial purposes circa 1922 and utilized by the National Bronze & Aluminum Foundry Company (8920 Laisy Avenue). By the early 1950s, industrial development expanded in this area and was subsequently utilized by the Harshaw Chemical Company. In addition, by 1952, the central and east portions of the Subject Property were developed with a large industrial building, which was utilized by the Cleveland Transit System. Various industries occupied the buildings through the 1970s to 1990s when the buildings were razed in the late 1970s to early 1980s (8920 Laisy Avenue) and in the mid to late 1990s (3420 East 93rd Street).

MSG completed a Phase I ESA of the Site in October 2023 and identified six Recognized Environmental Conditions (REC) / Identified Areas (IA) as described below:

- REC-1/IA-1:** The likely release of petroleum products at the Subject Property associated with historical on-property petroleum underground storage tanks (USTs) on the southeast portion of the Subject Property.
- REC-2/IA-2:** The likely release of petroleum products at the Subject Property associated with historical on-property gasoline UST on the southwest portion of the Subject Property.
- REC-3/IA-3 & IA-4:** The likely release of polychlorinated biphenyls (PCBs) associated with former transformer houses/transformers located on the northern portion of the Subject property.
- REC-4/IA-5:** The likely release of hazardous and/or petroleum products associated with the long-term industrial uses of the Subject Property (entire property).
- REC-5/IA-5:** The likely presence of hazardous and/or petroleum products at the Subject Property associated with the placement of historical fill material throughout the Subject Property (entire property).
- REC-6/IA-6:** The likely presence of PCBs and/or petroleum products on the southern portion of the Subject Property due to a release/spill of transformer oil in August 1985.

MSG understands that the Cuyahoga County Land Reutilization Corporation (Land Bank) is considering taking the Subject Property through the Ohio VAP with the intent of submitting a no further action (NFA) letter requesting Covenant-Not-To-Sue (CNS) status from the Ohio EPA. The purpose of this Phase II ESA was to collect and evaluate data to support the potential submittal of the NFA letter. MSG completed the assessment of this Site under Contract Number CSP904622-5, Mobilization Order #MS24-26.

2.0 GEOGRAPHICAL/GEOLOGICAL SETTING

Understanding the physical setting of the Subject Property is essential to understanding the potential pathways and exposure routes that may exist. To understand local hydrogeologic conditions in the Subject Property vicinity, MSG compiled the following geologic information from publicly available resources:

2.1 Surficial Geology and Geologic Setting

MSG obtained soils information for the Subject Property from the Soil Survey of Cuyahoga County, Ohio (United States Department of Agriculture, 2015). According to the Soil Survey, the soils on the Subject Property belong to the Erie Lake Plains association, which is described as being nearly level to gently sloping, separated from modern Lake Erie by shoreline cliffs and major streams in deep gorges. One specific soil type is present at the Subject Property are described as follows:

Urban land (Ur) - Designation for urban areas that consist of houses, office buildings, streets, parking lots, and other urban structures. In the few small areas of open space, the soils have been disturbed and very little natural soil remains.

2.2 Hydrogeology

Potable water is available to the Subject Property and surrounding area from the City of Cleveland. MSG also reviewed the ODNR website for water well logs for the Subject Property and surrounding area. According to the online map reviewed for the Subject Property, no water wells are located on the Subject Property. Several monitoring wells were mapped approximately 285 feet to the northeast and southwest of the Subject Property. It is important to note that the Subject Property exists within a verified Ohio EPA Urban Setting Designation (USD) area, which precludes the use of groundwater for potable purposes.

The ODNR Groundwater Resources Map of Cuyahoga County indicates that depth to the underlying Cuyahoga Group or Chagrin, Ohio, and Bedford Shales bedrock in the area surrounding the Subject Property ranges from 28 to over 300 feet below ground surface (bgs) (Crowell, 1979). The Subject Property is located within an area of buried valleys which contain 200 to 300 feet of fine sand, silt, and clay. According to the online map reviewed for the Subject Property, no potable water wells are located on or in close proximity to the Subject Property.

The United States Geological Survey (USGS) 7.5-Minute topographic map for the Shaker Heights, Ohio quadrangle (dated 2023) indicates that the Subject Property is located in a gently sloping area of Cuyahoga County. The general elevation of the Subject Property is approximately 800 feet above mean sea level (msl). The Cuyahoga River is located approximately 2.3 miles west of the Subject Property and Lake Erie is located approximately 4.5 miles west-northwest of the Subject Property. The topography of the area implies that shallow groundwater movement is likely to the west-northwest toward the Cuyahoga River. A copy of the appropriate portion of the USGS map is presented as Figure 1, the Subject Property Location Map. Additionally, groundwater elevation data from the monitoring wells installed during this Phase II ESA are summarized in Table 1 and a groundwater contour map showing groundwater elevations across the Subject Property is presented as Figure 3. Based on the recorded groundwater elevation data from the monitoring wells, groundwater flow is towards the northwest

3.0 FIELD ACTIVITIES AND SAMPLING PROCEDURES

3.1 Investigation Methods

As described in Section 1.0 of this report, MSG's February 2012 and October 2023 Phase I ESA and concurrent Phase II ESA identified six RECs/IAs at the Site. Therefore, MSG advanced twenty-four soil borings and installed four groundwater monitoring wells across the Site to further investigate for potential impacts from the identified REC/IAs. Sampling locations are depicted on Figure 2.

3.1.1 Geophysical Survey

On March 26, 2024, Geophysical Imaging, Inc. (GII) completed a combined electromagnetic induction (EM) and ground penetrating radar (GPR) survey in the two areas designated by MSG (IA-1 and IA-2).

GII performed the EM survey in "continuous survey" mode along 2.5-foot spaced transects using a GSSI EMP-400 multi-frequency EM profiler with an integrated global positioning system (GPS). Two EM exploration frequencies (9,000 Hz and 12,000 Hz) were selected for the Subject Property. In "continuous survey" mode, data are acquired at a fixed time interval while the operator walks along a survey line at a steady pace. Field measurements were automatically stored in a wireless data logger and later downloaded to a computer for processing.

GII performed the GPR survey along five-foot spaced profiles using a GSSI SIR-3000 GPR system with a 400-megahertz (MHz) dipole antenna mounted on a wheeled cart to scan the survey area. A survey wheel was used to acquire distance-based data at the density of 18 scans per foot. Anomalous reflective objects/structures were noted and marked on the ground surface during data acquisition. Field data were automatically stored in a data logger and later downloaded to a computer for processing.

Figures depicting the geophysical survey areas are contained in GII's Geophysical Survey Report (Appendix A).

3.1.2 Soil Borings and Soil Sampling

On April 10 through April 17, 2024, MSG advanced twenty-four soil borings (SB-1 through SB-24) with a track-mounted Geoprobe® 7822DT drill rig using direct push sampling techniques to depths ranging between two and 23 feet below ground surface (bgs) across the Subject Property. MSG collected soil samples continuously using a 3.25-inch diameter duel tube sampling system. The duel tube sampling system collects soil samples using a five-foot sample core barrel fitted with a polyvinyl chloride (PVC) liner. MSG collected soil samples on a continuous basis in two-foot increments and split them. MSG containerized one portion of each two-foot sample, labeled its location and depth, and placed it in an ice-filled cooler for potential submittal for laboratory analysis. MSG placed the other portion of each sample into a plastic resealable bag and allowed it to equilibrate to ambient temperature for field screening.

MSG described each soil sample in the field by the Visual Manual Method consistent with the Unified Soil Classification System (USCS) with regard to texture and moisture content. Copies of boring logs are presented in Appendix B.

MSG screened the soil samples in the field for the presence of VOCs using a RAE Systems MiniRAE photoionization detector (PID). Field PID readings are presented on the boring logs

(Appendix B). In general, MSG submitted the zero to two-foot sample interval from all borings and a deeper interval exhibiting the highest field PID reading between two and ten feet bgs from the soil borings installed to depths below two feet bgs for laboratory analysis. It is important to note that due to the amount and types of fill material encountered throughout the Subject Property, sample recoveries were sometimes of insufficient volume for laboratory submittal. Specifically, at boring locations SB-3 and SB-11, MSG encountered refusal at three and eight feet bgs respectively multiple times with low recoveries of predominantly construction debris fill materials. Accordingly, we did not collect soil samples from these locations.

3.1.3 Monitoring Well Installation

MSG converted four soil borings (SB-1, SB-10, SB-12, and SB-16) into permanent monitoring wells (MW-2, MW-10, MW-12, and MW-16, respectively) between April 10 and April 17, 2024 using 4.25-inch augers. MSG constructed the monitoring wells using two-inch diameter, ten-foot long, 0.10-slot PVC screens and sufficient lengths of two-inch diameter PVC risers to extend to ground surface. MSG placed sand pack material from the bottoms of the screens to at least two feet above the top of the screens and then placed Enviroplug® bentonite pellets to within two feet of the ground surface. MSG equipped each well with a locking expansion plug and completed the wells within flush mounted steel manhole covers set into concrete.

3.1.4 Monitoring Well Development

MSG developed the newly installed monitoring wells at the Subject Property on April 23, 2024. MSG used a surge block to surge each well, entraining sediment and then used a disposable bailer to purge the well until a minimum of five well volumes had been evacuated or the well went dry.

3.1.5 Groundwater Sampling

MSG collected groundwater samples from newly installed monitoring wells MW-2, MW-10, MW-12, and MW-16, on April 25, 2024. MSG completed the groundwater sampling in accordance with the guidelines in the Ohio EPA's *Technical Guidance Manual for Hydrogeologic Investigations and Groundwater Sampling* (TGM, 1995, revised October 2020). Prior to sampling, MSG opened the wells to the atmosphere to allow them to equilibrate to ambient conditions. MSG then measured the total well depth and depth to water from each well with an interface probe. MSG's groundwater measurements (Table 1) did not detect separate phase liquids in any of the wells.

MSG collected the groundwater samples with dedicated bailers and placed them into laboratory provided bottles prepared with the preservative appropriate to the analytical method. MSG then placed all samples on ice in a cooler pending delivery to the laboratory.

3.1.6 Soil Vapor Point Installation

On April 15, 2024, MSG installed three soil vapor monitoring points (SG-1 through SG-3) with a truck-mounted Geoprobe® 7822DT drill rig using 3.25-inch diameter direct push sampling techniques to depths of 10.0 feet bgs (Figure 2). The vapor points were constructed through the direct push drilling rods using a six-inch long stainless steel mesh screen with low density polyethylene (LDPE) tubing extending from the screen to the ground surface. Sand was placed from the bottom of the screens to approximately one foot above the top of the screens. Granular bentonite was then placed within the annular space of the boring surrounding the sample tubing from the top of the sand to within one foot of the ground surface. The end of the sample tubing at

the ground surface was fitted with a miniature stopcock. The vapor monitoring points were completed within a flush-mount protective casing set into concrete.

3.1.7 Soil Vapor Point Sampling

MSG collected soil vapor samples from SG-01 through SG-03 on April 25, 2024. Prior to collecting soil vapor samples, MSG purged a minimum of three air volumes from each soil vapor point using a RAE Systems MiniRAE PID to screen to the vapor point while purging. Upon completion of purging, MSG connected a Summa® minican (a laboratory-provided stainless steel vessel under vacuum) to the sample tubing using a section of Tygon® tubing. MSG opened the minican valve and recorded the vacuum in the sample canister from the pressure gauge included with the valve assembly prior to sampling. MSG then opened the stopcock to the sample tubing allowing representative soil vapor to enter the canister. Upon completion of sampling, MSG recorded the final vacuum pressure and time.

3.2 Laboratory Analysis

Upon collection, MSG placed the soil and groundwater samples in a cooler on ice. MSG delivered all soil, groundwater, and soil vapor samples under standard chain-of-custody procedures to VAP Certified Laboratory (CL) ALS Environmental (ALS) of Cincinnati, Ohio either by courier or by delivering the samples directly to ALS. Copies of the final analytical reports are provided in Appendix C. MSG submitted the samples for the analyses indicated in the table below:

Table 1.1 Sampling Rationale

IA	Borings/Wells	Samples	Laboratory Analysis
Soil Samples			
IA-1 & IA-2	SB-1, SB-2, SB-3, SB-9, SB-10, & SB-11	Four Samples	VOCs ¹ , PAHs ² , & TPH – GRO/DRO/ORO ³
IA-3	SB-13, SB-14, & SB-15	Four Samples	VOCs ¹ , SVOCs ⁴ , VAP Metals ⁵ , & PCBs ⁶
IA-4	SB-4, SB-5, & SB-6	Four Samples	VOCs ¹ , SVOCs ⁴ , VAP Metals ⁵ , & PCBs ⁶
IA-5	SB-7, SB-8, SB-12, SB-16, SB-17, SB-19, SB-20, & SB-24	13 Samples	VOCs ¹ , SVOCs ⁴ , & VAP Metals ⁵
IA-6	SB-21, SB-22, & SB-23	Four Samples	PCBs ⁶
Groundwater Samples			
IA-1 & IA-2	MW-2 & MW-10	Two Samples	VOCs ¹ & PAHs ²
IA-5	MW-12 & MW-16	Two Samples	VOCs ¹ , SVOCs ⁴ , & VAP Metals ⁵
Soil Vapor Samples			
IA-5	SG-1, SG-2, & SB-3	Three Samples	VOCs ⁷

¹Volatile Organic Compounds (VOCs) by EPA Method 8260

²Polycyclic Aromatic Hydrocarbons (PAHs) by EPA Method 8270

³Total Petroleum Hydrocarbons (TPH) – Gasoline Range Organics (GRO)/Diesel Range Organics (DRO)/Oil Range Organics (ORO) by EPA Method 8015

⁴Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270

⁵The Ohio Voluntary Action Program (VAP) Metals by EPA Methods 6010/7470A

⁶PCBs by EPA Method 8082

⁷VOCs by EPA Method TO-15

3.3 Field Quality Assurance and Quality Control Procedures

MSG employed field quality assurance and quality control (QA/QC) processes in accordance with standard industry practices and ensured that adequate QA/QC protocols were administered by following standard operating procedures (SOPs). Prior to use for screening samples, the PID was “zeroed-out” in ambient air and then calibrated with a 100 parts per million (ppm) isobutylene in air standard. All samples were transported to the laboratory on ice under chain-of-custody procedures (Appendix C).

4.0 DATA EVALUATION

4.1 Geophysical Survey Results

The EM survey identified a strong EM in-phase ('metal') anomaly located at the southeastern portion of the western survey area (IA-2). Two targeted GPR linescans (Linescans A and B) were performed in this anomaly area. A cylindrical-shaped steel object was not identified on the GPR scans. It is not uncommon for some large metal objects to be undetectable to GPR when highly conductive backfill materials are present over the target. Based on the EM data and Subject Property history, GII interpreted this anomaly area to represent possible a buried UST. Other strong EM 'metal' anomalies identified during the survey were most likely associated with the known aboveground interference, such as reinforced foundations and debris, etc. The EM survey also identified a strong EM 'metal' anomaly located at the eastern portion of the eastern survey area (IA-1). Two targeted GPR linescans (Linescans C and D) were performed in this anomaly area. Cylindrical-shaped steel object was not identified on the GPR scans. Based on the EM data and Subject Property history, this anomaly area was interpreted to represent a possible buried UST. Other strong EM 'metal' anomalies identified during the survey were most likely associated with the known aboveground interference, such as sign posts and debris, etc. A copy of the GII's report is included in Appendix A.

4.2 Boring Log Descriptions

Logs of borings advanced for this Phase II ESA are presented in Appendix B. Borings advanced during this Phase II ESA indicate that much of the Subject Property is generally underlain by fill material to depths ranging from five to 20 feet bgs. In areas where the fill material did not extend to the bottom of the borings, it is generally underlain by a silty clay and/or by weathered shale to the termini of the borings.

4.3 Analytical Results

MSG completed this Phase II ESA to further evaluate the RECs/IAs identified during MSG's October 2023 Phase I ESA of the Subject Property. MSG understands that the future redevelopment for the Subject Property is undetermined. Accordingly, MSG compared the soil analytical results to the Ohio VAP Residential, Commercial / Industrial, and Construction / Excavation Worker GNSs for direct contact (Tables 2 through 5), groundwater analytical results to the Ohio VAP UPUS (Table 6), and evaluated the soil gas analytical results with the U.S. EPA Vapor Intrusion Screening Level (VISL) calculator (Table 7). Also because of the potential presence of USTs, MSG compared the soil and groundwater analytical results from IA-1 and IA-2 to the Bureau of Underground Storage Tank Regulations (BUSTR) Closure and Drinking Water Action Levels, respectively.

4.3.1 Soil Analytical Results – IAs 1 & 2

The attached Table 2 presents the analytical results of identified constituents in the collected soil samples from IAs 1 and 2, which are summarized as:

- Naphthalene was detected above the BUSTR Closure Action Level, but below the VAP Residential, Commercial/Industrial, and Construction/Excavation Worker GNS in SB-2 (2-4') within IA-1; and,
- Low levels of several other VOCs, PAHs, and/or TPH DRO and ORO were detected in the submitted soil samples collected from IAs 1 and 2; however, all detections are below their respective BUSTR Closure Action Levels and/or Ohio VAP Residential (unrestricted use) GNS.

4.3.2 Soil Analytical Results – IAs 3 & 4

The attached Table 3 presents the analytical results of identified constituents in the collected soil samples from IAs 3 and 4, which are summarized as:

- Benzo(a)anthracene, benzo(b)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene were detected above the VAP Residential (unrestricted use), but below the Commercial/Industrial and Construction/Excavation Worker GNS in SB-15 (0-2') within IA-3;
- Benzo(a)pyrene was also detected in SB-15 (0-2') above both the VAP Residential and Commercial/Industrial GNS;
- Aroclor 1260 was detected above the VAP Residential (unrestricted use), but below the Commercial/Industrial and Construction/Excavation Worker GNS in SB-14 (0-2') and above the VAP Residential and Construction/Excavation Worker, but below the Commercial/Industrial GNS in SB-15 (0-2') within IA-3; and,
- Low levels of several other metals, VOCs, and/or SVOCs were detected in the submitted soil samples collected from IAs 3 and 4; however, all detections are below their respective GNS.

4.3.3 Soil Analytical Results – IA-5

The attached Table 4 presents the analytical results of identified constituents in the collected soil samples from IA-5, which are summarized as:

- Lead was detected above the VAP Residential and Construction/Excavation Worker GNS, but below the Commercial/Industrial GNS in SB-8 (5-7') and SB-20 (0-2');
- Benzo(a)anthracene, benzo(b)fluoranthene, dibenz(a,h)anthracene, and/or indeno(1,2,3-cd)pyrene were detected above the VAP Residential (unrestricted use), but below the Commercial/Industrial and Construction/Excavation Worker GNS in SB-7 (0-2'), SB-8 (10-12'), SB-8 (5-7'), SB-20 (0-2'), and SB-24 (0-2');
- Benzo(a)pyrene was detected above both the VAP Residential and Commercial/Industrial GNS in SB-7 (0-2'). Benzo(a)pyrene was also detected above the VAP Residential (unrestricted use), but below the Commercial/Industrial and Construction/Excavation Worker GNS in SB-8 (10-12'), SB-8 (5-7'), SB-20 (0-2'), and SB-24 (0-2'); and,
- Low levels of several other metals, VOCs, and/or SVOCs were detected in the submitted soil samples collected from IA-5; however, all detections are below their respective Ohio VAP Residential (unrestricted use) GNS.

4.3.4 Soil Analytical Results – IA-6

The attached Table 5 presents the analytical results of identified constituents in the collected soil samples from IA-6, which are summarized as:

- PCBs were not detected above their respective laboratory reporting limits in any of the samples collected from IA-6.

4.3.5 Groundwater Analytical Results

The attached Table 6 presents the analytical results of identified constituents in the collected groundwater samples, which are summarized as:

- 1,2,4-trimethylbenzene, 1-methylnaphthalene, and/or naphthalene were detected in MW-2 and MW-16 above their respective Ohio VAP UPUS and/or BUSTR Drinking Water Action Level; and,
- Low levels of several other metals, VOCs, and PAHs were detected in groundwater samples from across the Subject Property; however, all detections are below their respective Ohio VAP UPUS.

4.3.6 Soil Vapor Point Sampling Results

MSG used the U.S. EPA VISL Calculator to evaluate the soil vapor analytical results. MSG entered the maximum concentration of each detected VOC compound into the VISL Calculator to identify if the detected VOCs pose a potential risk to indoor air via the vapor intrusion pathway. The attached Table 7 presents the analytical results of identified constituents in the collected soil vapor samples, which are summarized as:

- Low levels of VOCs were detected at each location below their respective US EPA VISL Target Sub-Slab & Near-Source Soil Gas Concentrations for both Residential and Commercial Land Use;
- The calculated indoor air concentrations were below both their respective VAP Residential and Commercial / Industrial Indoor Air Standards; and,
- The calculated cumulative carcinogenic risk and non-carcinogenic hazard quotients are below their respective target threshold risk and hazard values for both residential and commercial receptors.

Copies of the VISL Calculator spreadsheets are presented in Appendix D.

4.4 Laboratory QA/QC Results

MSG evaluated laboratory QA/QC by analyzing surrogate recoveries, Laboratory Control Samples (LCS) and Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples for each sample delivery group (SDG) to evaluate the quality of the data reported by the laboratory. Following is a summary of MSG's review of the laboratory QA/QC report for the laboratory data packages submitted as part of this project (See Table 8). Copies of the laboratory reports are presented in Appendix C.

- The Chain-of-Custody forms were in good order;
- Samples arrived in good condition and within temperature limits;
- Samples were analyzed within hold times;
- LCS were in control; and,
- Method blanks were non-detect.

Based upon a review of the laboratory QA/QC documentation, MSG is of the opinion that the data generated as part of this Phase II ESA are valid and representative of Site conditions.

5.0 SUMMARY AND CONCLUSIONS

Based on the results of the Phase II ESA, MSG concludes the following:

- The geophysical survey identified anomalies in both IA-1 and IA-2 that were interpreted to represent potential orphan USTs;
- Results of this Phase II ESA indicate that the direction of shallow groundwater movement at the Subject Property is to the northwest;
- Soil samples collected from this Phase II ESA generally meet Ohio VAP Commercial/Industrial GNS with the exception of benzo(a)pyrene detected in shallow soils (0-2') at boring locations SB-7 (IA-5) and SB-15 (IA-3). Several other constituents were detected above Ohio VAP Residential and/or Construction/Excavation Worker GNS in soil samples collected from IAs 1, 3, and 5. Further, naphthalene was detected above the BUSTR Closure Action Level in SB-2 (2-4') within IA-1 proximate to the suspected orphan UST location;
- Shallow groundwater at MW-2 and MW-16 is impacted with 1,2,4-Trimethylbenzene, naphthalene, and/or 1-Methylnaphthalene above their respective VAP UPUS; and,
- Low levels of VOCs were detected at each soil gas sampling location below their respective US EPA VISL Target Sub-Slab & Near-Source Soil Gas Concentrations for Residential and Commercial Land Use. Further, the calculated indoor air concentrations were below both their respective VAP Residential and Commercial / Industrial Indoor Air Standards and the calculated cumulative carcinogenic risk and non-carcinogenic hazard quotients are below their respective target threshold risk and hazard values for both residential and commercial receptors.

The Subject Property is not a registered BUSTR facility. The potential presence of orphan USTs in IAs 1 and 2 is based on depictions of USTs in these areas on historical Sanborn Fire Insurance Rate Maps (Sanborn Maps) and the results of the geophysical survey completed as part of this Phase II ESA. Accordingly, if one or both of the geophysical anomalies is confirmed to be an orphan UST, it is unknown at this time if they would be considered a BUSTR-regulated UST. Petroleum constituents were identified in both soil and groundwater within IAs 1 and 2 proximate to the geophysical anomalies, which would represent a BUSTR Release if one or both geophysical anomaly is confirmed to be a BUSTR-regulated UST. Coordination with BUSTR would ultimately be necessary to determine the regulatory status of any confirmed orphan UST at the Subject Property.

Shallow groundwater is impacted at the Site with 1,2,4-Trimethylbenzene, naphthalene, and 1-Methylnaphthalene exceeding their respective Ohio VAP UPUS. The Ohio VAP UPUS are standards associated with the ingestion of water for drinking purposes. MSG collected groundwater samples at the Subject Property from discontinuous, shallow perched water zones that would not provide sufficient yield for potable purposes. Further, because the Subject Property and surrounding area are completely within a verified Ohio EPA USD and obtain potable water from the City of Cleveland whose source is Lake Erie, the drinking water exposure pathway is incomplete at the Subject Property. To keep the drinking water exposure pathway incomplete in the future, an institutional control via an environmental covenant prohibiting the extraction of groundwater for potable purposes could be established for the Subject Property.

The soil gas data from the western portion of the Subject Property indicated that the detected VOCs do not pose a potential risk to indoor air via the vapor intrusion pathway to residential or commercial receptors.

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- Ohio EPA, Technical Guidance Manual for Hydrogeologic Investigations and Ground Water Monitoring (on line) http://www.epa.state.oh.us/ddaqw/gw_support.aspx
- United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey website: <http://websoilsurvey.nrcs.usda.gov> (Provided soil types for the Site).
- United States Department of Agriculture, et al. Soil Survey of Cuyahoga County, OH: 1980. (Obtained soil description for the Site).
- United States Geological Survey (USGS) 7.5-Minute topographic map for the Cleveland South, Cuyahoga County, Ohio dated 1994.

TABLES



Table 1
Groundwater Elevation Data
8920 Laisy Avenue
Cleveland, Ohio

Well	Date	TOC Elevation (feet above msl)	Depth to Water (feet)	Groundwater Elevation (feet)
MW-2	4/25/2024	802.22	6.52	795.70
MW-10	4/25/2024	778.44	5.62	772.82
MW-12	4/25/2024	777.97	4.70	773.27
MW-16	4/25/2024	778.11	9.16	768.95

Table 2
Soil Sample Results - IAs 1 & 2
8920 Laisy Avenue
Cleveland, Ohio

Soil Sample								SB-1 (2-4')	SB-2 (2-4')	SB-9 (0-2')	SB-10 (2-4')
Laboratory ID								24040599-02A	24040599-01A	24040599-12A	24040599-11A
Sample Date								04/10/24	04/10/24	04/11/24	04/11/24
IA								IA-1	IA-1	IA-2	IA-2
Constituent	CAS #	Units	Ohio VAP Residential GNS	Ohio VAP Const/Exc GNS	Ohio VAP Comm/Ind GNS	BUSTR Closure Action Levels*	Analytical Method	Results			
Volatile Organic Compounds											
Benzene	71-43-2	mg/kg	28	1,200	130	0.246	EPA 8260	< 0.0041	< 0.0054	0.0089	< 0.0057
Bromomethane	74-83-9	mg/kg	56	550	82	NA	EPA 8260	< 0.0041	< 0.0054	0.027	0.008
Carbon disulfide	75-15-0	mg/kg	740	740	740	NA	EPA 8260	0.007	0.016	< 0.0072	< 0.0057
Chloromethane	74-87-3	mg/kg	930	1,300	1,300	NA	EPA 8260	< 0.0041	< 0.0054	0.11	0.1
Naphthalene	91-20-3	mg/kg	96	560	450	0.511	EPA 8260	< 0.0041	0.0083	< 0.0072	< 0.0057
p-Isopropyltoluene	99-87-6	mg/kg	160	160	160	NA	EPA 8260	< 0.0041	0.0065	< 0.0072	< 0.0057
Polycyclic Aromatic Hydrocarbons											
2-Methylnaphthalene	91-57-6	mg/kg	480	5,200	6,000	NA	EPA 8270	< 0.22	0.26	< 0.26	< 0.29
Acenaphthene	83-32-9	mg/kg	7,200	290,000	1,000,000	NA	EPA 8270	< 0.22	0.30	< 0.26	< 0.29
Anthracene	120-12-7	mg/kg	36,000	1,000,000	670,000	NA	EPA 8270	< 0.22	0.56	< 0.26	< 0.29
Benzo(a)anthracene	56-55-3	mg/kg	23	9,600	610	12	EPA 8270	< 0.11	0.85	< 0.13	< 0.14
Benzo(a)pyrene	50-32-8	mg/kg	2.3	230	62	1.2	EPA 8270	< 0.11	0.74	< 0.13	< 0.14
Benzo(b)fluoranthene	205-99-2	mg/kg	23	10,000	620	12	EPA 8270	< 0.22	0.87	< 0.26	< 0.29
Benzo(g,h,i)perylene	191-24-2	mg/kg	3,600	430,000	67,000	NA	EPA 8270	< 0.22	0.45	< 0.26	< 0.29
Benzo(k)fluoranthene	207-08-9	mg/kg	230	100,000	6,200	120	EPA 8270	< 0.22	0.31	< 0.26	< 0.29
Chrysene	218-01-9	mg/kg	2,300	1,000,000	62,000	1,200	EPA 8270	< 0.22	0.84	< 0.26	< 0.29
Dibenzofuran	132-64-9	mg/kg	160	9,700	4,700	NA	EPA 8270	< 0.22	0.32	< 0.26	< 0.29
Fluoranthene	206-44-0	mg/kg	4,800	170,000	89,000	NA	EPA 8270	< 0.22	2.1	< 0.26	< 0.29
Fluorene	86-73-7	mg/kg	4,800	580,000	89,000	NA	EPA 8270	< 0.22	0.48	< 0.26	< 0.29
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	23	10,000	620	12	EPA 8270	< 0.11	0.32	< 0.13	< 0.14
Naphthalene	91-20-3	mg/kg	96	560	420	0.511	EPA 8270	< 0.22	0.53	< 0.26	< 0.29
Phenanthrene	85-01-8	mg/kg	36,000	1,000,000	670,000	NA	EPA 8270	< 0.22	2.0	< 0.26	< 0.29
Pyrene	129-00-0	mg/kg	3,600	430,000	67,000	NA	EPA 8270	< 0.22	1.6	< 0.26	< 0.29
Total Petroleum Hydrocarbons											
TPH C10-C20		mg/kg		2,000*			EPA 8015B	91	44	< 17	61
TPH C20-C34		mg/kg		5,000*			EPA 8015B	340	240	170	440

NA -- No BUSTR Action Level Established for this Constituent

*Represents BUSTR Closure Action Level for Soil Type 1

mg/Kg - milligram per kilogram (ppm)

Highlighted cell indicates constituent above one or more BUSTR Action Level and/or Ohio EPA VAP Standard

Table 3
Soil Sample Results - IAs 3 & 4
8920 Laisy Avenue
Cleveland, Ohio

Soil Sample							SB-4 (0-2')	SB-5 (0-2')	SB-5 (2-4')	SB-6 (0-2')	SB-13 (0-2')	SB-14 (0-2')	SB-14 (10-12')	SB-15 (0-2')
Laboratory ID							24040599-03A	24040599-05A	24040599-06A	24040599-04A	24040835-02A	24040835-03A	24040835-04A	24040835-01A
Sample Date							04/10/24	04/10/24	04/10/24	04/10/24	04/15/24	04/15/24	04/15/24	04/15/24
IA							IA-4	IA-4	IA-4	IA-4	IA-3	IA-3	IA-3	IA-3
Constituent	CAS #	Units	Ohio VAP Residential GNS	Ohio VAP Const/Exc GNS	Ohio VAP Comm/Ind GNS	Analytical Method	Results							
Inorganics														
Antimony	7440-36-0	mg/kg	180	970	1,900	EPA 6010B	1.1	2.9	0.79	3.3	2.4	3.8	1.8	3.0
Arsenic	7440-38-2	mg/kg	14	760	100	EPA 6010B	8.8	11	7.2	11	3.6	13	9.3	7.9
Barium	7440-39-3	mg/kg	30,000	350,000	760,000	EPA 6010B	43	64	100	45	53	62	29	130
Beryllium	7440-41-7	mg/kg	870	3,500	8,800	EPA 6010B	0.65	0.64	0.65	0.65	0.53	0.45	0.34	0.63
Cadmium	7440-43-9	mg/kg	140	710	3,300	EPA 6010B	0.29	2.2	< 0.25	0.65	0.6	1.1	0.72	1.5
Chromium, Total	7440-47-3	mg/kg	230,000	920,000	1,000,000	EPA 6010B	13	16	9.7	14	12	14	9.1	17
Cobalt	7440-48-4	mg/kg	130	2,900	1,400	EPA 6010B	8.2	4.5	2.6	7.1	7.2	7.0	6.3	8.4
Lead	7439-92-1	mg/kg	400	400	800	EPA 6010B	23	200	23.0	190	32	65	6.8	140
Mercury	7439-97-6	mg/kg	3.1	3.1	3.1	EPA 7471	0.023	0.049	0.032	0.096	0.024	0.028	< 0.013	0.054
Nickel	7440-02-0	mg/kg	8,600	24,000	83,000	EPA 6010B	26	24	8.5	21	22	34	25	43
Vanadium	7440-62-2	mg/kg	2,200	8,100	23,000	EPA 6010B	75	66	82	25	93	53	140	61
Zinc	7440-66-6	mg/kg	130,000	730,000	1,000,000	EPA 6010B	78	580	33	110	130	240	58	520
Volatile Organic Compounds														
Bromomethane	74-83-9	mg/kg	56	550	82	EPA 8260	< 0.0049	< 0.0054	< 0.0052	< 0.0046	< 0.0052	0.015	< 0.0054	< 0.0052
Chloromethane	74-87-3	mg/kg	930	1,300	1,300	EPA 8260	< 0.0049	< 0.0054	< 0.0052	< 0.0046	0.0084	0.014	< 0.0054	< 0.0052
Toluene	108-88-3	mg/kg	820	820	820	EPA 8260	0.0052	< 0.0054	< 0.0052	< 0.0046	< 0.0052	< 0.0043	< 0.0054	< 0.0052
Semi-Volatile Organic Compounds														
1-Methylnaphthalene	90-12-0	mg/kg	350	31,000	1,500	EPA 8270	< 0.23	< 0.25	< 0.25	< 0.24	< 0.25	< 0.24	< 0.24	2.3
2-Methylnaphthalene	91-57-6	mg/kg	480	5,200	6,000	EPA 8270	< 0.23	< 0.25	< 0.25	< 0.24	< 0.25	< 0.24	< 0.24	2.4
Acenaphthene	83-32-9	mg/kg	7,200	290,000	1,000,000	EPA 8270	< 0.23	< 0.25	< 0.25	< 0.24	< 0.25	< 0.24	< 0.24	36
Acenaphthylene	208-96-8	mg/kg	7,200	290,000	130,000	EPA 8270	< 0.23	< 0.25	< 0.25	< 0.24	< 0.25	< 0.24	< 0.24	1.9
Anthracene	120-12-7	mg/kg	36,000	1,000,000	670,000	EPA 8270	< 0.23	< 0.25	< 0.25	< 0.24	< 0.25	< 0.24	< 0.24	86
Benzo(a)anthracene	56-55-3	mg/kg	23	9,600	610	EPA 8270	< 0.11	0.65	< 0.13	< 0.12	< 0.13	0.63	< 0.12	210
Benzo(a)pyrene	50-32-8	mg/kg	2.3	230	62	EPA 8270	< 0.11	0.47	< 0.13	< 0.12	< 0.13	0.59	< 0.12	160
Benzo(b)fluoranthene	205-99-2	mg/kg	23	10,000	620	EPA 8270	< 0.23	0.81	< 0.25	< 0.24	< 0.25	0.80	< 0.24	210
Benzo(g,h,i)perylene	191-24-2	mg/kg	3,600	430,000	67,000	EPA 8270	< 0.23	0.50	< 0.25	< 0.24	< 0.25	0.42	< 0.24	58
Benzo(k)fluoranthene	207-08-9	mg/kg	230	100,000	6,200	EPA 8270	< 0.23	0.34	< 0.25	< 0.24	< 0.25	0.29	< 0.24	83
Carbazole	86-74-8	mg/kg	540	56,000	3,500	EPA 8270	< 0.23	< 0.25	< 0.25	< 0.24	< 0.25	< 0.24	< 0.24	27
Chrysene	218-01-9	mg/kg	2,300	1,000,000	62,000	EPA 8270	< 0.23	0.68	< 0.25	< 0.24	< 0.25	0.64	< 0.24	210
Dibenz(a,h)anthracene	53-70-3	mg/kg	2.3	1,000	62	EPA 8270	< 0.11	< 0.12	< 0.13	< 0.12	< 0.13	< 0.12	< 0.12	17
Dibenzofuran	132-64-9	mg/kg	160	9,700	4,700	EPA 8270	< 0.23	< 0.25	< 0.25	< 0.24	< 0.25	< 0.24	< 0.24	22
Fluoranthene	206-44-0	mg/kg	4,800	170,000	89,000	EPA 8270	< 0.23	1.5	< 0.25	< 0.24	< 0.25	1.4	< 0.24	520
Fluorene	86-73-7	mg/kg	4,800	580,000	89,000	EPA 8270	< 0.23	< 0.25	< 0.25	< 0.24	< 0.25	< 0.24	< 0.24	42
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	23	10,000	620	EPA 8270	< 0.11	< 0.12	< 0.13	< 0.12	< 0.13	0.36	< 0.12	58
Naphthalene	91-20-3	mg/kg	96	560	420	EPA 8270	< 0.23	< 0.25	< 0.25	< 0.24	< 0.25	< 0.24	< 0.24	1.7
Phenanthrene	85-01-8	mg/kg	36,000	1,000,000	670,000	EPA 8270	< 0.23	1.0	< 0.25	< 0.24	< 0.25	0.70	< 0.24	390
Pyrene	129-00-0	mg/kg	3,600	430,000	67,000	EPA 8270	< 0.23	1.3	< 0.25	< 0.24	< 0.25	1.1	< 0.24	370
Polychlorinated Biphenyls														
Aroclor 1260	11096-82-5	mg/kg	4.8	450	28	EPA 8082	< 0.11	< 0.12	< 0.13	< 0.12	< 0.13	15	< 0.12	37.0

mg/Kg - milligram per kilogram (ppm)

Highlighted cell indicates constituent above one or more Ohio EPA VAP Standard

Table 4
Soil Sample Results - IA-5
8920 Laisy Avenue
Cleveland, Ohio

Soil Sample							SB-7 (0-2')	SB-7 (10-12')	SB-8 (10-12')	SB-8 (5-7')	SB-12 (0-2')	SB-12 (5-7')	SB-16 (0-2')	SB-16 (6-8')	SB-17 (0-2')	SB-18 (0-2')	SB-19 (0-2')	SB-20 (0-2')	SB-24 (0-2')	
Laboratory ID							24040599-07A	24040599-08A	24040599-10A	24040599-09A	24040599-13A	24040599-14A	24040835-05A	24040835-06A	24040835-07A	24040835-10A	24040835-09A	24040835-08A	24040835-11A	
Sample Date							04/11/24	04/11/24	04/11/24	04/11/24	04/11/24	04/11/24	04/15/24	04/15/24	04/15/24	04/15/24	04/15/24	04/15/24	04/15/24	04/15/24
IA							IA-5	IA-5	IA-5	IA-5	IA-5	IA-5	IA-5	IA-5	IA-5	IA-5	IA-5	IA-5	IA-5	
Constituent	CAS #	Units	Ohio VAP Residential GNS	Ohio VAP Const/Exc GNS	Ohio VAP Comm/Ind GNS	Analytical Method	Results													
Inorganics																				
Antimony	7440-36-0	mg/kg	180	970	1,900	EPA 6010B	1.7	3.0	1.3	5.3	0.8	1.3	18	0.5	1.9	1.4	1.4	1.8	3.3	
Arsenic	7440-38-2	mg/kg	14	760	100	EPA 6010B	6.6	9.1	3.7	9.8	11	11	8.5	5.0	8.6	17	8.4	8.8	9.7	
Barium	7440-39-3	mg/kg	30,000	350,000	760,000	EPA 6010B	140	73	290	240	34	47	16	12	82	28	30	160	120	
Beryllium	7440-41-7	mg/kg	870	3,500	8,800	EPA 6010B	0.36	0.85	2.1	0.55	0.36	0.52	< 0.25	< 0.21	0.51	0.23	0.22	0.31	0.51	
Cadmium	7440-43-9	mg/kg	140	710	3,300	EPA 6010B	1.6	0.42	0.80	4.1	0.32	0.39	0.71	0.5	0.8	< 0.23	0.36	1.6	2.1	
Chromium, Total	7440-47-3	mg/kg	230,000	920,000	1,000,000	EPA 6010B	33	16	9.4	54	9.7	12	250	4.6	23	20	7.8	11	15	
Cobalt	7440-48-4	mg/kg	130	2,900	1,400	EPA 6010B	7.3	6.4	< 1.6	< 1.3	4.0	< 1.3	3.6	3.5	6.1	3.8	4.9	3.0	5.1	
Lead	7439-92-1	mg/kg	400	400	800	EPA 6010B	180	51	110	520	15	10	160	5.6	110	19	23	450	250	
Mercury	7439-97-6	mg/kg	3.1	3.1	3.1	EPA 7471	0.087	0.054	0.026	0.34	0.015	0.021	0.022	0.023	0.3	0.028	0.019	2.2	0.015	
Nickel	7440-02-0	mg/kg	8,600	24,000	83,000	EPA 6010B	15	27	7.5	19	15	21	190	7.8	41	12	14	11	24	
Selenium	7782-49-2	mg/kg	2,200	11,000	20,000	EPA 6010B	< 0.70	< 0.74	1.2	< 0.78	< 0.67	< 0.76	< 0.75	< 0.63	< 0.67	< 0.68	< 0.65	< 0.65	< 0.71	
Vanadium	7440-62-2	mg/kg	2,200	8,100	23,000	EPA 6010B	590	120	670	310	250	110	13	660	120	27	320	550	160	
Zinc	7440-66-6	mg/kg	130,000	730,000	1,000,000	EPA 6010B	140	130	510	12,000	57	60	1,100	100	150	75	110	270	450	
Volatile Organic Compounds																				
Bromomethane	74-83-9	mg/kg	56	550	82	EPA 8260	< 0.0053	< 0.0052	< 0.0076	< 0.0071	< 0.0050	< 0.0050	< 0.0059	0.34	< 0.0053	< 0.0049	< 0.0045	< 0.0060	< 0.0052	
Chloromethane	74-87-3	mg/kg	930	1,300	1,300	EPA 8260	< 0.0053	< 0.0052	< 0.0076	< 0.0071	< 0.0050	< 0.0050	0.031	< 0.27	< 0.0053	< 0.0049	< 0.0045	< 0.0060	< 0.0052	
Tetrachloroethene	127-18-4	mg/kg	170	170	170	EPA 8260	< 0.0053	< 0.0052	0.03	< 0.0071	< 0.0050	< 0.0050	< 0.0059	< 0.27	< 0.0053	< 0.0049	< 0.0045	< 0.0060	< 0.0052	
Toluene	108-88-3	mg/kg	820	820	820	EPA 8260	< 0.0053	< 0.0052	< 0.0076	< 0.0071	0.0061	< 0.0050	< 0.0059	< 0.27	< 0.0053	< 0.0049	< 0.0045	< 0.0060	< 0.0052	
Semi-Volatile Organic Compounds																				
1-Methylnaphthalene	90-12-0	mg/kg	350	31,000	1,500	EPA 8270	0.87	< 0.25	1.0	0.59	< 0.22	< 0.25	< 0.25	0.33	< 0.23	< 0.23	< 0.23	< 0.23	< 0.24	
2-Methylnaphthalene	91-57-6	mg/kg	480	5,200	6,000	EPA 8270	0.87	< 0.25	1.3	0.57	< 0.22	< 0.25	< 0.25	< 0.22	< 0.23	< 0.23	< 0.23	< 0.23	0.26	
Acenaphthene	83-32-9	mg/kg	7,200	290,000	1,000,000	EPA 8270	4.5	< 0.25	2.5	2.6	< 0.22	< 0.25	< 0.25	< 0.22	< 0.23	< 0.23	< 0.23	1.1	0.33	
Acenaphthylene	208-96-8	mg/kg	7,200	290,000	130,000	EPA 8270	0.53	< 0.25	0.38	4.1	< 0.22	< 0.25	< 0.25	< 0.22	< 0.23	< 0.23	< 0.23	0.24	< 0.24	
Anthracene	120-12-7	mg/kg	36,000	1,000,000	670,000	EPA 8270	22	< 0.25	9.9	11	< 0.22	< 0.25	< 0.25	< 0.22	0.40	< 0.23	< 0.23	3.2	0.97	
Benzo(a)anthracene	56-55-3	mg/kg	23	9,600	610	EPA 8270	110	0.18	16	39	< 0.11	< 0.13	< 0.13	< 0.11	1.3	< 0.12	< 0.11	9.1	4.7	
Benzo(a)pyrene	50-32-8	mg/kg	2.3	230	62	EPA 8270	68	0.17	13	40	< 0.11	< 0.13	< 0.13	0.11	1.4	< 0.12	< 0.11	7.4	3.8	
Benzo(b)fluoranthene	205-99-2	mg/kg	23	10,000	620	EPA 8270	110	< 0.25	16	50	< 0.22	< 0.25	< 0.25	< 0.22	1.7	< 0.23	< 0.23	9.5	5.4	
Benzo(g,h,i)perylene	191-24-2	mg/kg	3,600	430,000	67,000	EPA 8270	38	0.56	4.9	24	0.33	< 0.25	< 0.25	0.29	0.69	< 0.23	< 0.23	5.3	2.6	
Benzo(k)fluoranthene	207-08-9	mg/kg	230	100,000	6,200	EPA 8270	39	< 0.25	6.1	18	< 0.22	< 0.25	< 0.25	0.50	0.64	< 0.23	< 0.23	3.7	2.7	
Bis(2-ethylhexyl)phthalate	117-81-7	mg/kg	780	79,000	5,100	EPA 8270	< 0.79	< 0.41	< 0.51	6.6	< 0.37	< 0.42	< 0.42	< 0.37	< 0.38	< 0.38	< 0.38	< 0.38	< 0.40	
Butyl benzyl phthalate	85-68-7	mg/kg	5700	590,000	37,000	EPA 8270	< 0.79	< 0.41	< 0.51	< 0.88	< 0.37	< 0.42	< 0.42	< 0.37	< 0.38	< 0.38	< 0.38	< 0.38	2.1	
Carbazole	86-74-8	mg/kg	540	56,000	3,500	EPA 8270	9.5	< 0.25	2.5	8.5	< 0.22	< 0.25	< 0.25	< 0.22	< 0.23	< 0.23	< 0.23	1.3	0.60	
Chrysene	218-01-9	mg/kg	2,300	1,000,000	62,000	EPA 8270	110	< 0.25	14	36	< 0.22	< 0.25	< 0.25	1.1	1.3	< 0.23	< 0.23	8.8	4.9	
Dibenz(a,h)anthracene	53-70-3	mg/kg	2.3	1,000	62	EPA 8270	13	< 0.13	1.4	4.2	< 0.11	< 0.13	< 0.13	< 0.11	0.20	< 0.12	< 0.11	1.6	0.61	
Dibenzofuran	132-64-9	mg/kg	160	9,700	4,700	EPA 8270	3.7	< 0.25	2.3	2.1	< 0.22	< 0.25	< 0.25	< 0.22	< 0.23	< 0.23	< 0.23	0.57	< 0.24	
Fluoranthene	206-44-0	mg/kg	4,800	170,000	89,000	EPA 8270	260	0.32	37	92	< 0.22	< 0.25	< 0.25	< 0.22	2.9	< 0.23	< 0.23	19	8.5	
Fluorene	86-73-7	mg/kg	4,800	580,000	89,000	EPA 8270	3.5	< 0.25	4.5	2.7	< 0.22	< 0.25	< 0.25	< 0.22	< 0.23	< 0.23	< 0.23	1.1	0.30	
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	23	10,000	620	EPA 8270	33	< 0.13	4.3	22	< 0.11	< 0.13	< 0.13	< 0.11	0.66	< 0.12	< 0.11	4.3	2.0	
Naphthalene	91-20-3	mg/kg	96	560	420	EPA 8270	1.1	< 0.25	1.7	0.96	< 0.22	< 0.25	< 0.25	< 0.22	< 0.23	< 0.23	< 0.23	0.31	0.25	
Phenanthrene	85-01-8	mg/kg	36,000	1,000,000	670,000	EPA 8270	93	< 0.25	29	58	< 0.22	< 0.25	< 0.25	0.34	1.7	< 0.23	< 0.23	12	4.6	
Pyrene	129-00-0	mg/kg	3,600	430,000	67,000	EPA 8270	180	0.26	27	70	< 0.22	< 0.25	< 0.25	3.4	2.3	< 0.23	< 0.23	15	6.9	
Polychlorinated Biphenyls																				
Aroclor 1260	11096-82-5	mg/kg	4.8	450	28	EPA 8082	1.9	< 0.13	< 0.16	0.79	< 0.11	< 0.13	< 0.13	< 0.11	< 0.12	< 0.12	< 0.11	0.22	0.52	

mg/Kg - milligram per kilogram (ppm)

Highlighted cell indicates constituent above one or more Ohio EPA VAP Standard

Table 5
Soil Sample Results - IA-6
8920 Laisy Avenue
Cleveland, Ohio

Soil Sample							SB-21 (0-2')	SB-21 (6-8')	SB-22 (0-2')	SB-23 (0-2')
Laboratory ID							24040920-01A	24040920-02A	24040920-04A	24040920-03A
Sample Date							04/17/24	04/17/24	04/17/24	04/17/24
IA							IA-6	IA-6	IA-6	IA-6
Constituent	CAS #	Units	Ohio VAP Residential GNS	Ohio VAP Const/Exc GNS	Ohio VAP Comm/Ind GNS	Analytical Method	Results			
<i>Polychlorinated Biphenyls</i>							<i>Analyzed, All Non-Detect</i>			

Table 6
Groundwater Sample Results
8920 Laisy Avenue
Cleveland, Ohio

Monitoring Well						MW-2	MW-10	MW-12	MW-16
Laboratory ID						24041466-01A	24041466-02A	24041466-03A	24041466-04A
Sample Date						4/25/2024	4/25/2024	4/25/2024	4/25/2024
Constituent	CAS #	Units	Ohio VAP UPUS	BUSTR Drinking Water Action Level	Analytical Method	Results			
Inorganics (Total Concentrations)									
Arsenic	7440-38-2	µg/L	10	NA	EPA 6020B	--	--	6.9	< 5.0
Barium	7440-39-3	µg/L	2,000	NA	EPA 6020B	--	--	80	36
Volatile Organic Compounds									
1,2,4-Trimethylbenzene	95-63-6	µg/L	15	15	EPA 8260	24	< 5.0	< 5.0	< 5.0
Naphthalene	91-20-3	µg/L	1.4	1.4	EPA 8260	320	< 5.0	< 5.0	14
n-Butylbenzene	104-51-8	µg/L	780	NA	EPA 8260	5.1	< 5.0	< 5.0	< 5.0
p-Isopropyltoluene	99-87-6	µg/L	10,000	NA	EPA 8260	10	< 5.0	< 5.0	< 5.0
Polycyclic Aromatic Hydrocarbons									
1-Methylnaphthalene	90-12-0	µg/L	11	NA	EPA 8270	110	< 0.14	< 0.192	15.5
2-Methylnaphthalene	91-57-6	µg/L	27	NA	EPA 8270	26	< 0.14	< 0.192	16.8
Acenaphthene	83-32-9	µg/L	530	NA	EPA 8270	12	< 0.14	< 0.192	1.38
Acenaphthylene	208-96-8	µg/L	400	NA	EPA 8270	15	< 0.14	< 0.192	< 0.200
Anthracene	120-12-7	µg/L	1,800	NA	EPA 8270	3.0	< 0.14	< 0.192	0.256
Carbazole	86-74-8	µg/L	20	NA	EPA 8270	13	< 0.14	< 0.192	< 0.200
Dibenzofuran	132-64-9	µg/L	7.9	NA	EPA 8270	17	< 0.14	< 0.192	0.464
Fluoranthene	206-44-0	µg/L	630	NA	EPA 8270	1.8	< 0.14	< 0.192	< 0.200
Fluorene	86-73-7	µg/L	220	NA	EPA 8270	21	< 0.14	< 0.192	1.81
Phenanthrene	85-01-8	µg/L	1,300	NA	EPA 8270	19	< 0.14	< 0.192	1.24
Pyrene	129-00-0	µg/L	87	NA	EPA 8270	1.1	< 0.14	< 0.192	0.216

NA -- No BUSTR Action Level Established for this Constituent

µg/L - microgram per liter (ppb)

Highlighted cell indicates constituent above Ohio EPA VAP UPUS and/or BUSTR Action Level

-- Sample Not Analyzed for this Constituent

Table 7
Soil Gas Sample Results
8920 Laisy Avenue
Cleveland, Ohio

Soil Vapor Sample Point						SG-1	SG-2	SG-3	Site Maximum Soil Gas Concentration	Calculated Indoor Air Concentration	Residential		Commercial		Ohio VAP Residential Indoor Air	Ohio VAP Com/Ind. Indoor Air
Laboratory ID						24041473-01A	24041473-02A	24041473-03A			VI Carcinogenic Risk	VI Hazard	VI Carcinogenic Risk	VI Hazard		
Sample Date						04/25/24	04/25/24	04/25/24			CR	HQ	CR	HQ		
Environmental Media						Sub-Slab Vapor			VISL Calculator Screening Level Results							
Constituent	CAS #	Units	U.S. EPA VISL Target Sub-Slab & Near- Source Soil Gas Concentrations - Residential Land Use*	U.S. EPA VISL Target Sub-Slab & Near-Source Soil Gas Concentrations - Commercial Land Use*	Analytical Method	Results										
Volatile Organic Compounds																
1,1,1-Trichloroethane	71-55-6	µg/m ³	174,000	730,000	EPA TO-15	< 2.73	< 2.73	2.78	2.78	0.08	NA	1.60E-05	NA	3.81E-06	5,200	22,000
1,2,4-Trimethylbenzene	95-63-6	µg/m ³	2,090	8,760	EPA TO-15	4.33	3.64	< 2.46	4.33	0.13	NA	2.08E-03	NA	4.94E-04	63	260
1,3-Butadiene	106-99-0	µg/m ³	31.2	136	EPA TO-15	0.642	< 0.442	< 0.442	0.642	0.02	2.06E-07	9.23E-03	4.71E-08	2.20E-03	0.94	4.1
Acetone	67-64-1	µg/m ³	NA	NA	EPA TO-15	20.7	17.7	14.4	20.7	NA	NA	NA	NA	NA	32,000	140,000
Benzene	71-43-2	µg/m ³	120	524	EPA TO-15	9.04	< 1.60	< 1.60	9.04	0.27	7.53E-07	8.67E-03	1.72E-07	2.06E-03	3.6	16
Carbon disulfide	75-15-0	µg/m ³	24,300	102,000	EPA TO-15	9.71	14.4	2.34	14.4	0.43	NA	5.92E-04	NA	1.41E-04	730	3100
Chloroform	67-66-3	µg/m ³	40.7	178	EPA TO-15	< 0.976	4.2	< 0.976	4.2	0.13	1.03E-06	6.20E-02	2.36E-07	1.48E-02	1.2	5.3
Cyclohexane	110-82-7	µg/m ³	209,000	876,000	EPA TO-15	36.3	7.68	< 1.72	36.3	1.09	NA	1.74E-04	NA	4.14E-05	6,300	26,000
Dichlorodifluoromethane	75-71-8	µg/m ³	3,480	14,600	EPA TO-15	4.01	< 2.47	2.82	4.01	0.12	NA	1.15E-03	NA	2.75E-04	NS	NS
Ethylbenzene	100-41-4	µg/m ³	374	1,640	EPA TO-15	8.51	< 2.17	< 2.17	8.51	0.26	2.27E-07	2.45E-04	5.20E-08	5.83E-05	11	49
Heptane	142-82-5	µg/m ³	13,900	58,400	EPA TO-15	19.6	11.6	< 2.05	19.6	0.59	NA	1.41E-03	NA	3.36E-04	NS	NS
Hexane	110-54-3	µg/m ³	24,300	102,000	EPA TO-15	61.4	29.9	3.7	61.4	1.84	NA	2.52E-03	NA	6.01E-04	730	3100
Naphthalene	91-20-3	µg/m ³	27.5	120	EPA TO-15	1.63	1.73	1.15	1.73	0.05	6.28E-07	1.66E-02	1.44E-07	3.95E-03	0.83	3.6
Propene	115-07-1	µg/m ³	104,000	438,000	EPA TO-15	< 0.861	11.1	< 0.861	11.1	0.333	NA	1.06E-04	NA	2.53E-05	NS	NS
Toluene	108-88-3	µg/m ³	174,000	730,000	EPA TO-15	18.4	2.45	< 1.88	18.4	0.55	NA	1.06E-04	NA	2.52E-05	5,200	22,000
Trichlorofluoromethane	75-69-4	µg/m ³	NA	NA	EPA TO-15	8.32	< 2.81	13.4	13.4	NA	NA	NA	NA	NA	NS	NS
Xylenes	1330-20-7	µg/m ³	3,480	14,600	EPA TO-15	70	2.21	<4.34	70	2.1	NA	2.01E-02	NA	4.79E-03	100	440
Cummulative CR/HQ											2.84E-06	0.12	6.51E-07	0.03		
Target CR / HQ											1E-05	1	1E-05	1		

NS -- No Ohio VAP Standard available. Constituent is not a hazardous or petroleum-related substance as defined by the VAP statute (ORC 3746.01)

µg/m³ - microgram per cubic meter

VI - vapor intrusion

VISL - Vapor Intrusion Screening Level

CR - Carcinogenic Risk

HQ - Hazard Quotient for Non-Carcinogens

IUR - Inhalation Unit Risk

NA - Not Applicable (constituent not included in VISL Calculator program)

*Represents VISL using Target Cancer Risk of 1E-05 and Target Hazard Quotient of 1.0

Table 8
Quality Assurance / Quality Control
8920 Laisy Avenue
Cleveland, Ohio

Lab	ALS	ALS	ALS	ALS
SDG	24040599	24040835	24040920	24041466
Collection Date(s)	4/10/24 - 4/11/24	04/15/24	04/17/24	04/25/24
Collected by	MSG	MSG	MSG	MSG
Matrix	Soil	Soil	Soil	Water
Chain of Custody	Ok	Ok	Ok	Ok
Cooler Temperature	4.4 °C	2.1 °C	3.3 °C	2.3 °C
Sample Preservation	Ok	Ok	Ok	Ok
Custody Seals	No	No	No	No
Bottles	Lab Provided	Lab Provided	Lab Provided	Lab Provided
Case Narrative	QC sample results for this data met laboratory specifications.	QC sample results for this data met laboratory specifications.	QC sample results for this data met laboratory specifications.	QC sample results for this data met laboratory specifications.
Lab Statement of Quality	VAP Certified	VAP Certified	VAP Certified	VAP Certified
Holding Times met?	Yes	Yes	Yes	Yes
Proper Methods	Yes	Yes	Yes	Yes
Reporting Limits acceptable	Yes	Yes	Yes	Yes
Surrogate recoveries within limits	Batch 98168, Method 8015_DRO_S, Sample 24040599-02C: Surrogate failure due to sample matrix.	Batch 98342, Method 8270_SVOC_S, Sample 24040835-09B: Select surrogate spike recoveries fall outside of quality control limits due to sample matrix interference.	Yes	Yes
Blanks	Method Blanks Non-Detect	Method Blanks Non-Detect	Method Blank Non-Detect	Method Blank Non-Detect
Duplicates	None	Yes	None	None
LCS within limits?	In Control	In Control	In Control	In Control
MS/MSD within limits?	Batch 98168, Method 8015_DRO_S, Sample 24040616-24BMS/MSD: MS/MSD failure due to hydrocarbons.	Batch 98340, Method 8082_PCB_S, Sample 24040838-07AMS: 1260 failed due to the presence of PCB's in the sample.	Batch 98340, Method 8082_PCB_S, Sample 24040838-07AMS: 1260 failed due to the presence of PCB's in the sample.	Yes
MS/MSD client generated?	No	No	No	No
Overall Quality	Acceptable	Acceptable	Acceptable	Acceptable

MB - Method Blank
ND - Non Detect
FB - Field Blank
PQL - Practical Quantification Limit
RPD - Relative Percent Difference
LCS - Laboratory Control Sample
MS/MSD - Matrix Spike / Matrix Spike Duplicate

Table 8
Quality Assurance / Quality Control
8920 Laisy Avenue
Cleveland, Ohio

ALS
24041473
04/25/24
MSG
Soil Vapor
Ok
NA
Ok
No
Lab Provided
QC sample results for this data met laboratory specifications.
VAP Certified
Yes
Yes
Yes
Yes
Method Blank Non-Detect
None
In Control
NA
NA
Acceptable

FIGURES



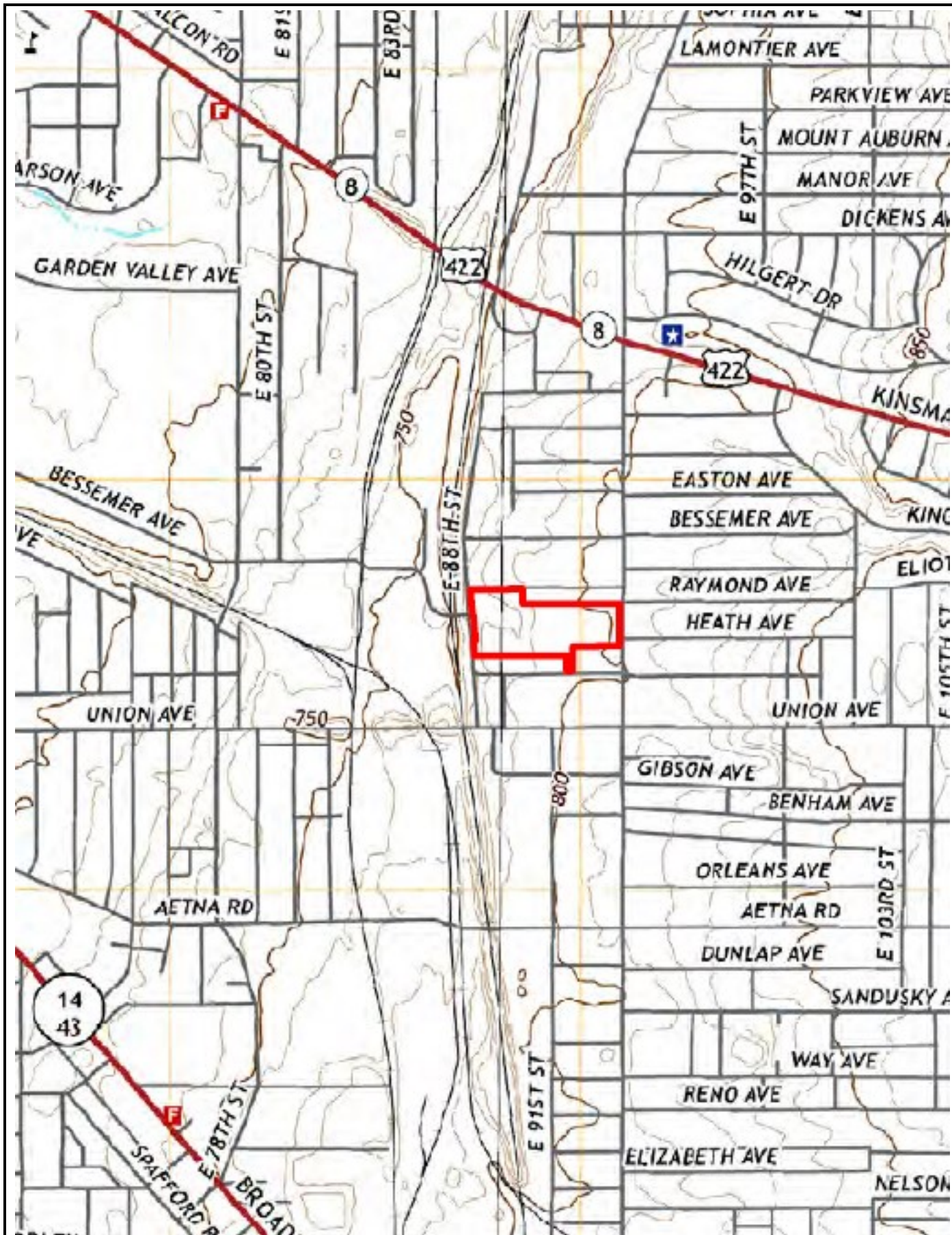


Figure 1: Subject Property Location – 8920 Laisy Ave & 3420 East 93rd Street

Notes
 USGS Quadrangle, The National Map
 Shaker Heights, OH 2019



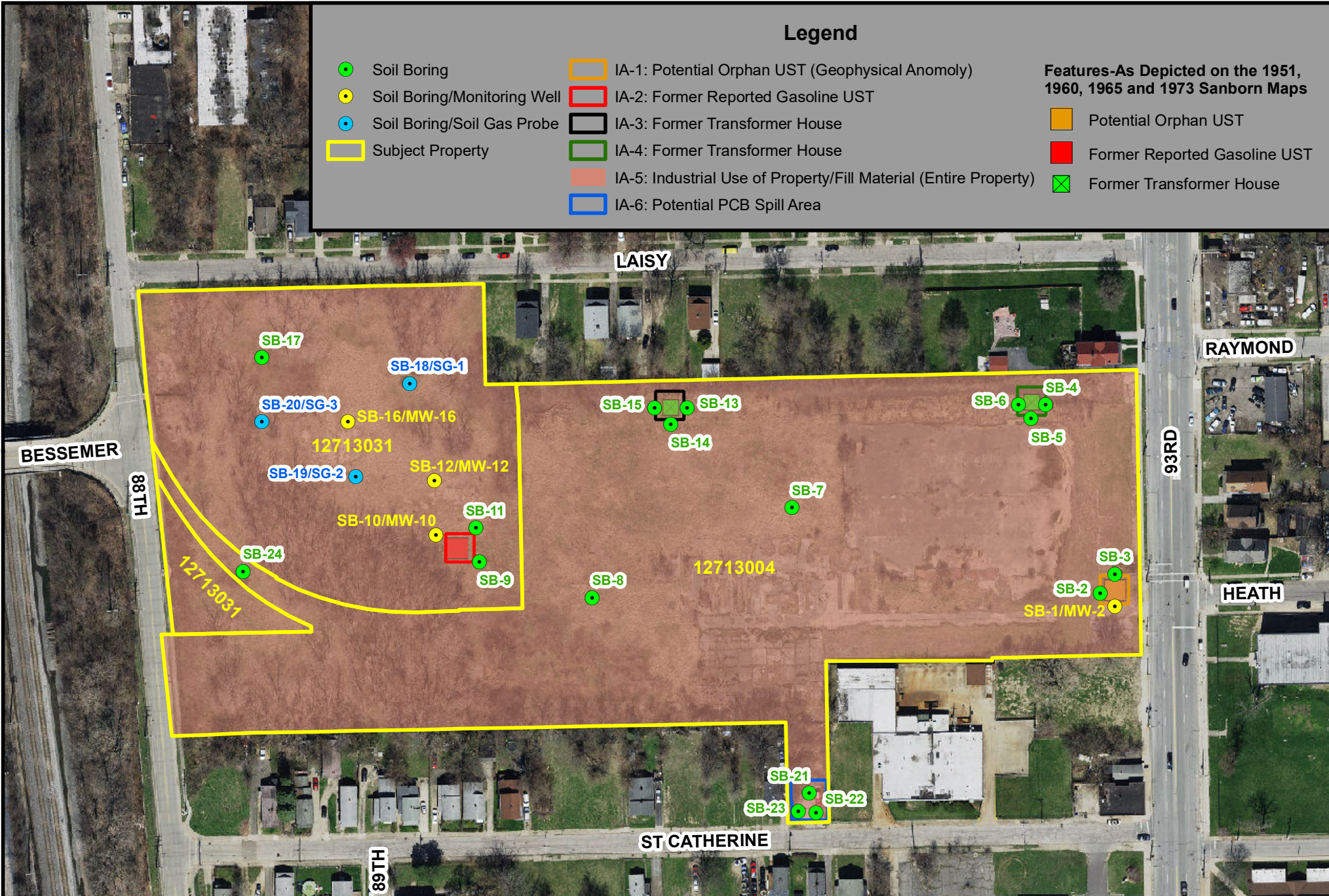


Figure 2: Sample Location Map
 8920 Laisy Avenue & 3420 East 93rd Street
 Cleveland, Ohio

Legend

● Soil Boring	 IA-1: Potential Orphan UST (Geophysical Anomaly)	 Potential Orphan UST
● Soil Boring/Monitoring Well- Groundwater Elevation in Ft.	 IA-2: Former Reported Gasoline UST	 Former Reported Gasoline UST
● Soil Boring/Soil Gas Probe	 IA-3: Former Transformer House	 IA-4: Former Transformer House
 Potentiometric Surface Contour- Dashed where Inferred, 5Ft. Interval	 IA-5: Industrial Use of Property/Fill Material (Entire Property)	✕ Former Transformer House
← Groundwater Flow Direction	 IA-6: Potential PCB Spill	
 Subject Property		

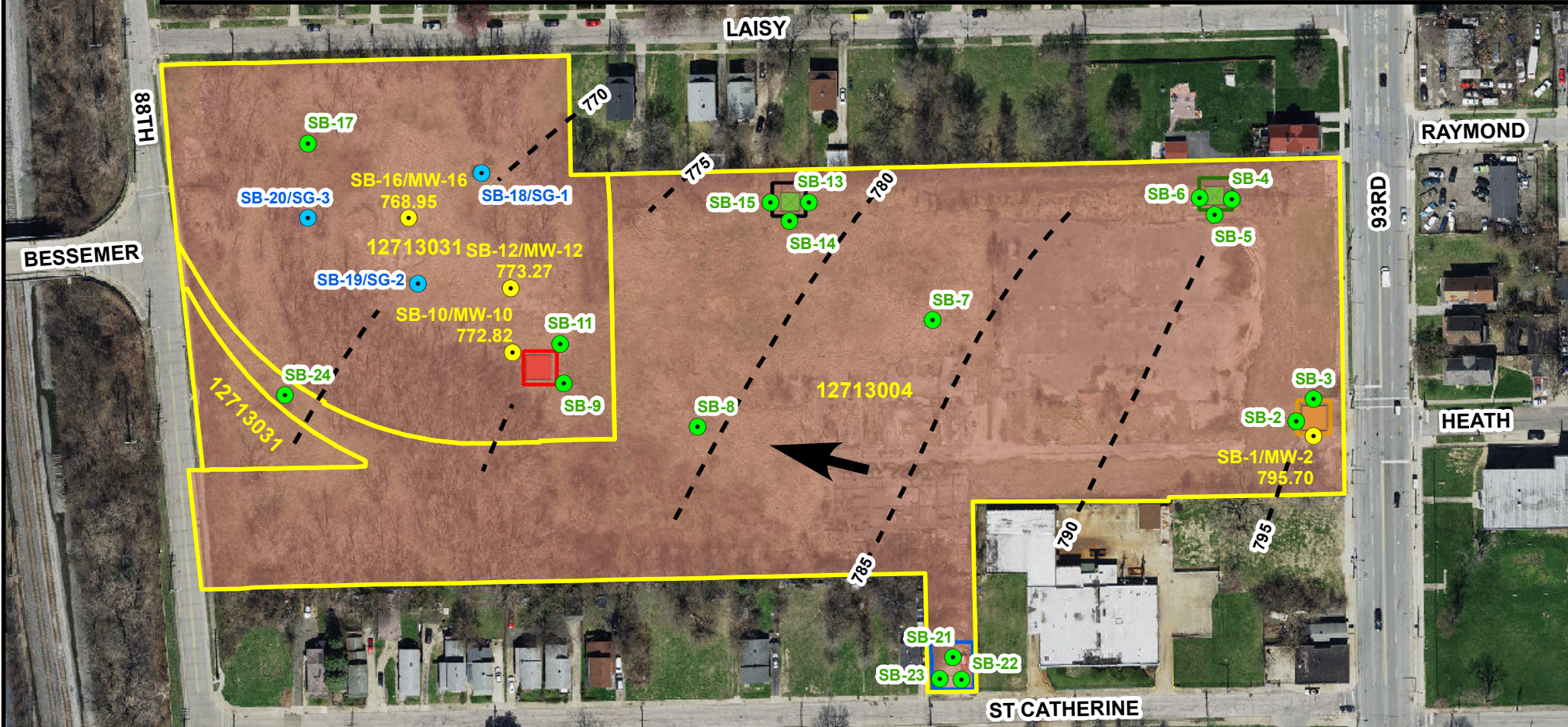


Figure 3: Potentiometric Surface Map (April 25, 2024)
8920 Laisy Avenue & 3420 East 93rd Street
Cleveland, Ohio

APPENDIX A
GEOPHYSICAL SURVEY REPORT





Geophysical Imaging, Inc.
3765 Timber Valley Dr
Maumee, OH 43537
Phone/fax: (419) 868-2902

April 1, 2024

GII Project No. 24-1003

Matt Pesci, CP, CPG
Senior Associate / Senior Project Manager
The Mannik & Smith Group, Inc.
1800 Indian Wood Circle
Maumee, Ohio 43537

**Geophysical Survey Report
8920 Laisy Avenue
Cleveland, Ohio**

Dear Mr. Pesci:

This letter report summarizes the results and interpretations of the geophysical survey performed for The Mannik & Smith Group, Inc. (MSG) by Geophysical Imaging, Inc. (GII) at the above-referenced site. The purpose of the survey was to detect if abandoned underground storage tanks (USTs) are present at the site.

Project Background

According to MSG, USTs were historical present at the site. The status of the USTs is unknown.

Field Activities and Data Processing

On March 26, 2024, a combined electromagnetic induction (EM) and ground-penetrating radar (GPR) survey was conducted by GII in the areas designated by MSG. Figure 1 depicts the approximate areas surveyed and the general site features. The EM survey was performed in “continuous survey” mode along 2.5-foot spaced transects. GII used a GSSI EMP-400 multi-frequency EM profiler with integrated GPS. Two EM exploration frequencies (9,000 Hz and 12,000 Hz) were selected for the site. Prior to the EM survey, field, operator, and zero in-phase calibrations were performed at the site. In “continuous survey” mode, data are acquired at a fixed time interval while the operator walks along a survey line at a steady pace. Both in-phase (metal sensitive) and quadrature (terrain conductivity) measurements were acquired during the EM survey.



These measurements were automatically stored in a wireless data logger, and later downloaded to a computer for subsequent processing. Two software packages were utilized to define suspect areas, MagMap (supplied by E.G. & G. Geometrics) and SURFER (developed by Golden Software). Selected EM measurement contour maps are presented on Figures 2 and 3.

The GPR survey was performed along 5-foot spaced profiles. GII used a GSSI SIR-3000 GPR system with a 400-megahertz (MHz) dipole antenna mounted on a wheeled cart to scan the survey area. Several test scans were completed to observe the overall GPR responses to setup survey parameters prior to the GPR survey. A survey wheel was used to acquire distance-based data at the density of 18 scans per foot. Anomalous reflective objects/structures were noted and marked on the ground surface during the data acquisition. Additional linescans were performed to better understand anomalous targets. The GPR data were automatically stored in a data logger, and later downloaded to a computer for subsequent processing. The data processing consisted of Time-Zero Adjustment (time zero of the vertical scale aligned with the surface reflection) and Background Removal (horizontal banding) to the GPR scans. Targeted GPR linescans are presented on Figure 4.

Results and Interpretations

The EM survey identified a strong EM in-phase ('metal') anomaly located at the southeastern portion of the western survey area. Two targeted GPR linescans (Linescans A and B) were performed in this anomaly area. Cylindrical-shaped steel object was not identified on the GPR scans. It is not uncommon for some large metal objects to be undetectable to GPR when highly conductive backfill materials are present over the target. Based on the EM data and site history, this anomaly area was interpreted to represent possible a buried UST. Other strong EM 'metal' anomalies identified during the survey were most likely associated with the known aboveground interference, such as reinforced foundations and debris, etc. The EM survey identified a strong EM 'metal' anomaly located at the eastern portion of the eastern survey area. Two targeted GPR linescans (Linescans C and D) were performed in this anomaly area. Cylindrical-shaped steel object was not identified on the GPR scans. Based on the EM data and site history, this anomaly area was interpreted to represent possible buried USTs. Other strong EM 'metal' anomalies identified during the survey were most likely associated with the known aboveground interference, such as sign posts and debris, etc.

Survey Methods and Limitations

The EM operates by driving a transmitter coil with an AC current at audio frequencies to generate a sinusoidal time-varying magnetic field. A receiver coil is positioned on or near the surface of the earth some distance away from the transmitter coil. The transmitted time-varying magnetic field generated by the transmitter coil induces



secondary currents to flow in the subsurface, which in turn generate a secondary (induced) magnetic field. Both the induced secondary field, along with the primary field, is detected and recorded at the receiver coil.

The EM instruments contain two sets of coils that are located within opposite sides of the tool. One set of coil is used to transmit a primary magnetic field, which generates electrical current in the ground. The created current then generates a secondary magnetic field, which is sensed by the coils in the receiver end of the instrument. Data is then collected on a control unit indicating the conductivity of the earth. The magnitude of the secondary field is broken into two orthogonal components. The two components of the secondary magnetic field are in-phase (real component) and the quadrature or out-of-phase (imaginary component). For instruments operating within the Low Induction Number (LIN) approximation, the magnitude of the quadrature component of the secondary field is linearly proportional to the apparent conductivity. The in-phase measurement is most sensitive to buried metallic objects and can be used locate buried steel reinforced structures, UST, large utility pipes, and other metallic targets. In the absence of a highly conductive material (e.g. metallic targets) in the subsurface, the magnitude of the in-phase component is dependant on the magnetic susceptibility of the subsurface. The EMP-400 allows multiple frequency measurements at each survey station. The depth of exploration depends on the operating frequencies, target size and shape, and host-target conductivity. Site conditions that can limit, even preclude EM data interpretation include: urban or developed areas, thunderstorms and nearby metallic objects at or above the ground surface such as parked vehicles near the survey stations, rebar concrete, metal siding, overhead power lines, metal fence/guard rail, and manhole covers, etc. Areas of a site that may be difficult or impossible to survey include: steep slopes, standing water areas, overgrown vegetation areas, and obstructed areas.

GPR operates by transmitting pulses of ultra high frequency radio waves (microwave electromagnetic energy) down into the ground through a transducer or antenna. When the transmitted signal enters the ground, it contacts objects or subsurface strata with different electrical conductivities and dielectric constants. Part of the ground penetrating radar waves reflect off of the object or interface; while the rest of the waves pass through to the next interface. The reflected signals return to the antenna, pass through the antenna, and are received by the digital control unit. The control unit registers the reflections against two-way travel time in nanoseconds (ns) and then amplifies the signals. The output signal voltage peaks are plotted on the GPR profile as different color bands by the digital control unit.

GPR waves with 400 MHz frequency typically can reach depths up to 12 feet below ground surface (bgs) in low conductivity materials such as dry sand or granite. Clays, shale, and other high conductivity materials or materials having high moisture, may attenuate or absorb GPR signals, greatly decreasing the depth of penetration to 3 feet bgs or less. Other site conditions that can limit even preclude GPR data acquisition and



interpretation include: surface obstructions, uneven ground surface, standing water, cellular tower, rebar concrete, small or shallow buried objects, and over-grown vegetation, etc.

Conclusions

This geophysical survey has identified two anomalies, which may represent buried USTs. The geophysical results presented herein are interpreted. No warranty, certification, or statement of fact, either expressed or implied, regarding actual subsurface conditions within the surveyed area(s) is contained herein. If uncertainties exist regarding the presence of geophysical anomalies, test pit excavations should be conducted to explore the actual subsurface conditions. No interpretation of subsurface conditions can be made for areas not surveyed or paved with rebar concrete. Please note that the survey data reflect site conditions on the day of the field survey.

GII greatly appreciates this opportunity to provide MSG with our geophysical survey service. If you have any questions, please contact me at (419) 868-2902.

Sincerely,

Geophysical Imaging, Inc.

A handwritten signature in blue ink, appearing to read "Ming He", is positioned above the printed name.

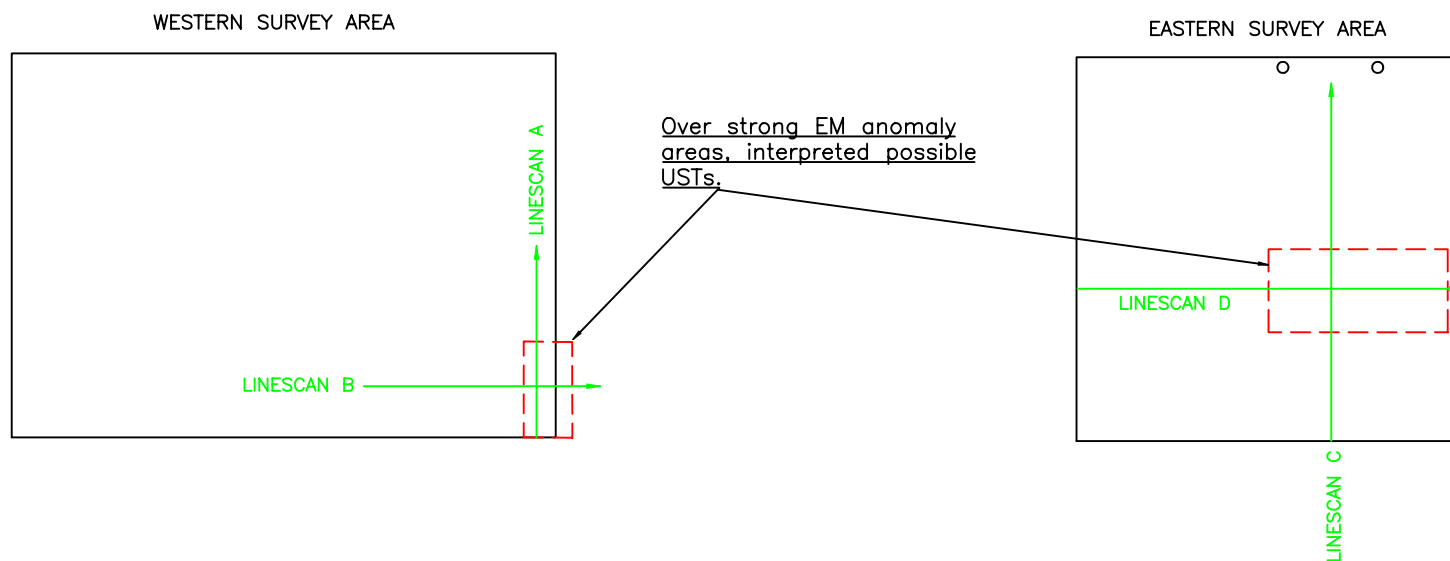
Ming He
President/Geophysicist

Attachments
Figures 1 – 4

F:\GII\PROJECTS\24-1003 MSG CLEVELAND OH\24-1003 MSG CLEVELAND OH REPORT.DOC



NOT TO SCALE BETWEEN
SURVEY AREAS



LEGEND:

- SIGN POST
- FENCE

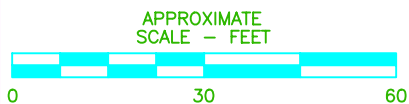


FIGURE 1
SURVEY DIAGRAM WITH
GEOPHYSICAL INTERPRETATIONS
8920 LAISY AVENUE
CLEVELAND, OHIO

Client
THE MANNIK & SMITH GROUP, INC.
MAUMEE, OHIO

GEOPHYSICAL IMAGING, INC.
3765 TIMBER VALLEY DR
MAUMEE, OH 43537

DRAWN MH

CHECKED

DRAWING NAME

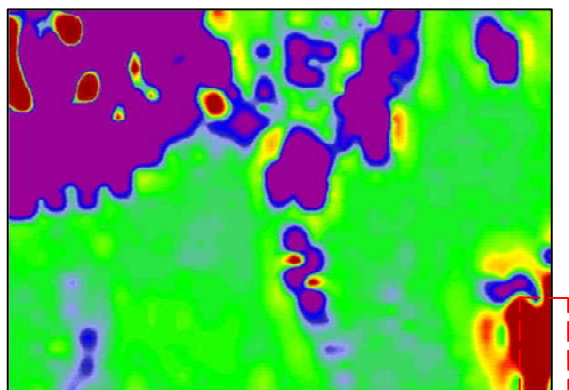
24-1003Fig1





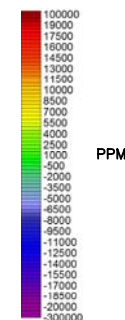
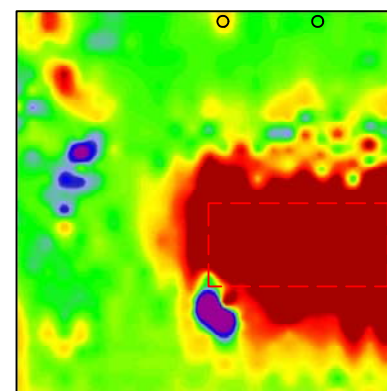
NOT TO SCALE BETWEEN
SURVEY AREAS

WESTERN SURVEY AREA



Over strong EM anomaly
areas, interpreted possible
USTs.

EASTERN SURVEY AREA



LEGEND:

○ SIGN POST

— FENCE

APPROXIMATE
SCALE - FEET



FIGURE 2
EM IN-PHASE (METAL SENSITIVE)
CONTOUR MAP - 9,000 Hz
8920 LAISY AVENUE
CLEVELAND, OHIO

Client
THE MANNIK & SMITH GROUP, INC.
MAUMEE, OHIO

GEOPHYSICAL IMAGING, INC.
3765 TIMBER VALLEY DR
MAUMEE, OH 43537

DRAWN MH

CHECKED

DRAWING NAME

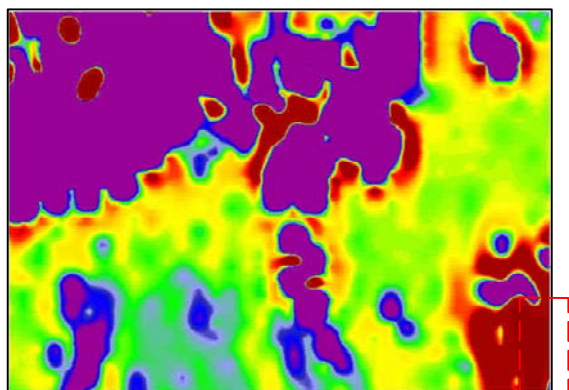
24-1003Fig2





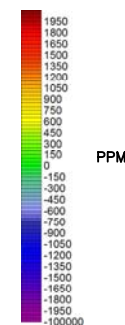
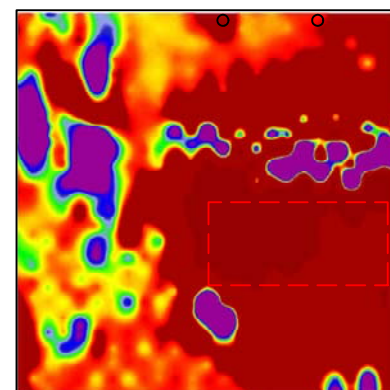
NOT TO SCALE BETWEEN
SURVEY AREAS

WESTERN SURVEY AREA



Over strong EM anomaly
areas, interpreted possible
USTs.

EASTERN SURVEY AREA



LEGEND:

○ SIGN POST

— FENCE

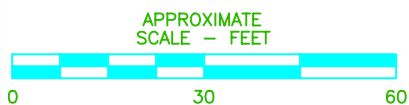
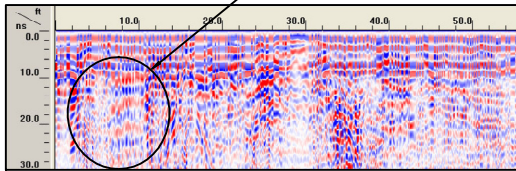
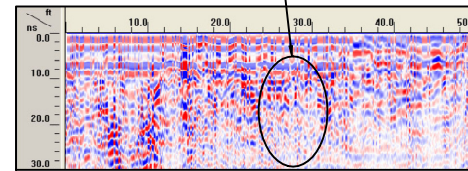


FIGURE 3 EM QUADRATURE (TERRAIN CONDUCTIVITY) CONTOUR MAP - 9,000 Hz 8920 LAISY AVENUE CLEVELAND, OHIO	GEOPHYSICAL IMAGING, INC. 3765 TIMBER VALLEY DR MAUMEE, OH 43537	
	Client THE MANNIK & SMITH GROUP, INC. MAUMEE, OHIO	
	CHECKED	

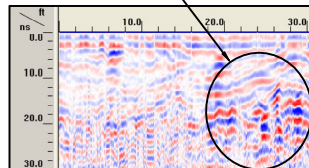
LINESCAN A: over strong EM anomaly area,
interpreted possible a UST.



LINESCAN B: over strong EM anomaly area,
interpreted possible a UST.



LINESCAN C: over strong EM anomaly area, interpreted possible a UST.



LINESCAN D: over strong EM anomaly area, interpreted possible a UST.

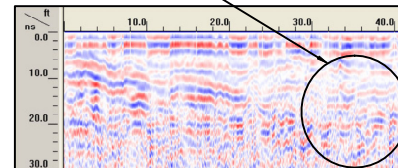


FIGURE 4
TARGETED GPR LINESCAN
LINESCANS A, B, C, AND D
8920 LAISY AVENUE
CLEVELAND, OHIO

Client
THE MANNIK & SMITH GROUP, INC.
MAUMEE, OHIO

GEOPHYSICAL IMAGING, INC.
3765 TIMBER VALLEY DR
MAUMEE, OH 43537

DRAWN MH

CHECKED

DRAWING NAME

24-1003Fig4



**APPENDIX B
BORING LOGS**




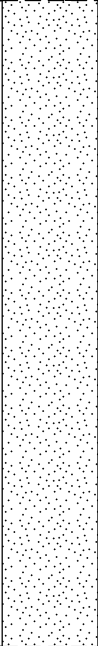

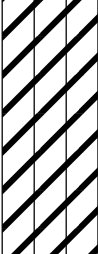
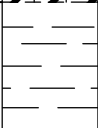
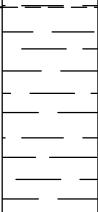


Soil Boring / Monitoring Well Number: SB-07

Project Number: 401.ODAS003-53
Project Name: Laisy Avenue
Site Location: 8920 Laisy Avenue
Client: OEPA
MSG Personnel: John Thornburg

Contractor: The Mannik & Smith Group, Inc.
Driller: Michael Harris
Drilling Method: Direct Push Geoprobe
Drill Rig: 7822DT
Total Depth: 20 feet

MW Installation Date:
Northing: NA
Easting: NA
Ground Surface Elev.: NA

Depth (ft.)	Elev. (ft.)	Well Diagram	Elev. (ft.)	Graphic Log	Description of Cuttings	Number	Type	FID/PID (ppm)	Recovery (in.)	Remarks	
5 10 15 20					Brown silty CLAY , little fine to coarse sand, trace fine gravel, moist (Fill)	1	DP	0	14	Made two attempts at MW installation. Refusals at 8.0 and 5.5 ft. Metal conduit wrapped around augers	
					Brown and gray fine to coarse SAND , some fine to coarse gravel, trace cinder block, and concrete, moist (Fill)		DP		0		
						2	DP		3		
							DP		0		
							DP		0		
						CONCRETE , crushed, trace wood, moist (Fill)	3	DP	0		22
						Gray silty CLAY , little fine to coarse sand, little fine to medium gravel, moist		DP			0
						4	DP	0	12		
						Gray SHALE , weathered, moist		DP	0		19
						Gray SHALE , weathered, wet		DP			0
					End of Soil Boring = 20 feet						



Soil Boring / Monitoring Well Number: SB-08

Project Number: 401.ODAS003-53
Project Name: Laisy Avenue
Site Location: 8920 Laisy Avenue
Client: OEPA
MSG Personnel: John Thornburg

Contractor: The Mannik & Smith Group, Inc.
Driller: Michael Harris
Drilling Method: Direct Push Geoprobe
Drill Rig: 7822DT
Total Depth: 23 feet

MW Installation Date:
Northing: NA
Easting: NA
Ground Surface Elev.: NA

Depth (ft)	Elev. (ft.)	Well Diagram	Elev. (ft.)	Graphic Log	Description of Cuttings	Number	Type	FID/PID (ppm)	Recovery (in.)	Remarks
5					Brown silty CLAY , little fine to coarse sand, moist (Fill) BRICK	1	DP	0	19	
							DP		0	
10					Gray fine to coarse SAND , some brick and tile, little silt, trace glass, moist (Fill)	2	DP	0	12	
							DP		2	
							DP		0	
15					Gray and brown fine to coarse SAND , little clay, little brick, trace glass, coal, concrete, carpet, moist (Fill)	3	DP	0	24	
							DP		5	
							DP	0	12	
20					Brown clayey fine to medium SAND , little fine gravel, wet (Fill)		DP	0	19	
							DP		0	
							DP		0	
25					Gray silty CLAY , little fine to medium gravel, moist	5	DP		21	
							DP		0	
					End of Soil Boring = 23 feet					

Soil Boring / Monitoring
Well Number: SB-14

Project Number: 401.ODAS003-53
Project Name: Laisy Avenue
Site Location: 8920 Laisy Avenue
Client: OEPA
MSG Personnel: John Thornburg

Contractor: The Mannik & Smith Group, Inc.
Driller: Michael Harris
Drilling Method: Direct Push Geoprobe
Drill Rig: 7822DT
Total Depth: 20 feet

MW Installation Date:
Northing: NA
Easting: NA
Ground Surface Elev.: NA

Depth (ft)	Elev. (ft.)	Well Diagram	Elev. (ft.)	Graphic Log	Description of Cuttings	Number	Type	FID/PID (ppm)	Recovery (in.)	Remarks
					<u>CONCRETE</u>					
					Brown silty <u>CLAY</u> , little fine to coarse sand, little fine to medium gravel, moist (Fill)	1	DP	0	24	
							DP		3	
5						2	DP		12	
					Brown fine to medium <u>SAND</u> , little clay, wet					
					Brown silty <u>CLAY</u> , little fine to coarse sand, little fine to coarse gravel, moist		DP	0	24	
							DP		3	
10					Brown <u>SILT</u> , some fine sand, trace fin gravel, dry	3	DP	0	24	Made two attempts at MW installation. Refusals at 8.0 and 12.0 ft.
					Gray <u>SHALE</u> , weathered, moist		DP	0	19	
15						4	DP		12	
					Gray <u>SHALE</u> , weathered, wet		DP		20	
							DP		0	
20					End of Soil Boring = 20 feet					



Soil Boring / Monitoring Well Number: SB-16/MW-16

Project Number: 401.ODAS003-53
Project Name: Laisy Avenue
Site Location: 8920 Laisy Avenue
Client: OEPA
MSG Personnel: John Thornburg

Contractor: The Mannik & Smith Group, Inc.
Driller: Michael Harris
Drilling Method: Macrocore/4.25 HSA
Drill Rig: 7822DT
Total Depth: 20 feet

MW Installation Date: 4/17/2024
Northing: NA
Easting: NA
Ground Surface Elev.: NA

Depth (ft)	Elev. (ft.)	Well Diagram	Elev. (ft.)	Graphic Log	Description of Cuttings	Number	Type	FID/PID (ppm)	Recovery (in.)	Remarks
		Casing Type: PVC								
		2" PVC Riser with bentonite seal			CONCRETE Brown SILT , some fine sand, trace wood, moist (Fill)	1	DP	0.1	24	
							DP		3	
5					Gray fine to coarse SAND , some fine to medium gravel, moist	2	DP	0.6	12	
					Gray and brown fine to coarse SAND , little fine to medium gravel, little silt, wet		DP	1.9	24	
		2" PVC Riser with filter pack					DP		3	
10						3	DP	5.7	24	
							DP		7	
		2" PVC 0.010 slot screen with filter sand				4	DP		12	
15					Gray fine to medium SAND , trace silt, petroleum odor, wet		DP	236	8	
							DP		0	
20					End of Soil Boring = 20 feet					

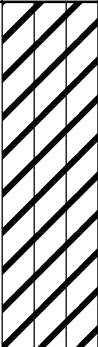
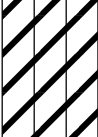
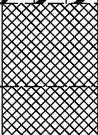
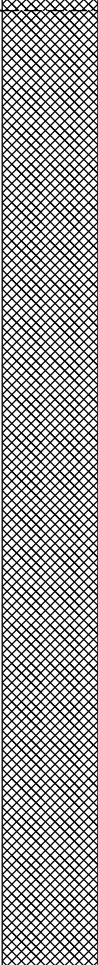
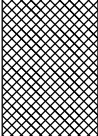
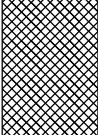
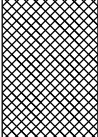
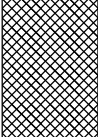
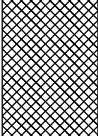
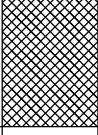


Soil Boring / Monitoring Well Number: SB-17

Project Number: 401.ODAS003-53
Project Name: Laisy Avenue
Site Location: 8920 Laisy Avenue
Client: OEPA
MSG Personnel: John Thornburg

Contractor: The Mannik & Smith Group, Inc.
Driller: Michael Harris
Drilling Method: Direct Push Geoprobe
Drill Rig: 7822DT
Total Depth: 20 feet

MW Installation Date:
Northing: NA
Easting: NA
Ground Surface Elev.: NA

Depth (ft)	Elev. (ft.)	Well Diagram	Elev. (ft.)	Graphic Log	Description of Cuttings	Number	Type	FID/PID (ppm)	Recovery (in.)	Remarks
					Brown silty CLAY , little fine to coarse sand, trace brick and concrete, moist (Fill)	1	DP	0	24	
							DP		9	
5					BRICK , some wood fragments (Fill)	2	DP	0	12	
					No sample recovery. Fill material with carpet, wood, concrete, and brick, wet		DP		3	
							DP		0	
10						3	DP		0	
							DP		0	
15						4	DP		0	
							DP		0	
20							DP		0	
					End of Soil Boring = 20 feet					

APPENDIX C
LABORATORY REPORTS





24-Apr-2024

Matt Pesci
The Mannik & Smith Group, Inc.
1160 Dublin Road
Suite 100
Columbus, OH 43215

Re: **Laisy Ave; MS24-26; ODAS0003**

Work Order: **24040599**

Dear Matt,

ALS Environmental received 15 samples on 12-Apr-2024 03:53 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met 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 Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 128.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

Rob Nieman

Electronically approved by: Rob Nieman

Rob Nieman
Project Manager

Report of Laboratory Analysis

ADDRESS 4388 Glendale Milford Rd Cincinnati, OH 45242- | PHONE (513) 733-5336 | FAX (513) 733-5347

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental 

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Work Order: 24040599

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
24040599-01	SB-2 (2-4')	Soil		4/10/2024 13:35	4/12/2024 15:53	<input type="checkbox"/>
24040599-02	SB-1 (2-4')	Soil		4/10/2024 14:20	4/12/2024 15:53	<input type="checkbox"/>
24040599-03	SB-4 (0-2')	Soil		4/10/2024 15:00	4/12/2024 15:53	<input type="checkbox"/>
24040599-04	SB-6 (0-2')	Soil		4/10/2024 15:15	4/12/2024 15:53	<input type="checkbox"/>
24040599-05	SB-5 (0-2')	Soil		4/10/2024 15:30	4/12/2024 15:53	<input type="checkbox"/>
24040599-06	SB-5 (2-4')	Soil		4/10/2024 16:10	4/12/2024 15:53	<input type="checkbox"/>
24040599-07	SB-7 (0-2')	Soil		4/11/2024 09:35	4/12/2024 15:53	<input type="checkbox"/>
24040599-08	SB-7 (10-12')	Soil		4/11/2024 09:50	4/12/2024 15:53	<input type="checkbox"/>
24040599-09	SB-8 (5-7')	Soil		4/11/2024 10:25	4/12/2024 15:53	<input type="checkbox"/>
24040599-10	SB-8 (10-12')	Soil		4/11/2024 10:40	4/12/2024 15:53	<input type="checkbox"/>
24040599-11	SB-10 (2-4')	Soil		4/11/2024 11:50	4/12/2024 15:53	<input type="checkbox"/>
24040599-12	SB-9 (0-2')	Soil		4/11/2024 12:05	4/12/2024 15:53	<input type="checkbox"/>
24040599-13	SB-12 (0-2')	Soil		4/11/2024 12:55	4/12/2024 15:53	<input type="checkbox"/>
24040599-14	SB-12 (5-7')	Soil		4/11/2024 13:05	4/12/2024 15:53	<input type="checkbox"/>
24040599-15	Trip Blank	Water		4/11/2024	4/12/2024 15:53	<input type="checkbox"/>

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Work Order: 24040599

Case Narrative

The analyses requested were analyzed according to Ohio Voluntary Action Program requirements. Affidavits are available upon request.

The analytical data provided relates directly to the samples received by ALS Laboratory Group and for only the analyses requested.

QC sample results for this data met 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 Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

Batch 98168, Method 8015_DRO_S, Sample 24040599-02C: Surrogate failure due to sample matrix.

Batch 98168, Method 8015_DRO_S, Sample 24040616-24BMS: MS/MSD failure due to hydrocarbons.

Batch 98168, Method 8015_DRO_S, Sample 24040616-24BMSD: MS/MSD failure due to hydrocarbons.

Batch R228578, Method 8260_VOC_5035, Sample 24040599-09A: Select internal standards outside QC range due to sample matrix. Sample was re-analyzed and the results were similar.

Batch R228578, Method 8260_VOC_5035, Sample 24040599-10A: Select internal standards outside QC range due to sample matrix. Sample was re-analyzed and the results were similar.

Batch R228578, Method 8260_VOC_5035, Sample 24040599-11A: Select internal standards outside QC range due to sample matrix. Sample was re-analyzed and the results were similar.

Batch R228578, Method 8260_VOC_5035, Sample 24040599-12A: Select internal standards outside QC range due to sample matrix. Sample was re-analyzed and the results were similar.

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-2 (2-4')
Collection Date: 4/10/2024 01:35 PM

Work Order: 24040599
Lab ID: 24040599-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS AND OIL RANGE ORGANICS			SW8015B	Prep: SW3546 4/17/24 14:21		Analyst: TME
TPH C10-C20	44		17	mg/Kg-dry	1	4/18/2024 01:07 PM
TPH C20-C34	240		17	mg/Kg-dry	1	4/18/2024 01:07 PM
Surr: Nonane	46.2		13.1-113	%REC	1	4/18/2024 01:07 PM
Surr: Pentacosane	36.5		30.6-143	%REC	1	4/18/2024 01:07 PM
GASOLINE RANGE ORGANICS (C6-C12)			SW8015A			Analyst: LAK
TPH C6-C12	ND		2.5	mg/Kg-dry	1	4/15/2024 04:16 PM
Surr: Cyclooctane	77.8		65.2-156	%REC	1	4/15/2024 04:16 PM
MOISTURE			SM2540B			Analyst: CS
Moisture	20			% of sample	1	4/16/2024
PAH COMPOUNDS			SW8270C	Prep: SW3546 4/18/24 17:07		Analyst: RA
1-Methylnaphthalene	ND		0.25	mg/Kg-dry	1	4/19/2024 11:12 AM
2-Methylnaphthalene	0.26		0.25	mg/Kg-dry	1	4/19/2024 11:12 AM
Acenaphthene	0.30		0.25	mg/Kg-dry	1	4/19/2024 11:12 AM
Acenaphthylene	ND		0.25	mg/Kg-dry	1	4/19/2024 11:12 AM
Anthracene	0.56		0.25	mg/Kg-dry	1	4/19/2024 11:12 AM
Benzo(a)anthracene	0.85		0.12	mg/Kg-dry	1	4/19/2024 11:12 AM
Benzo(a)pyrene	0.74		0.12	mg/Kg-dry	1	4/19/2024 11:12 AM
Benzo(b)fluoranthene	0.87		0.25	mg/Kg-dry	1	4/19/2024 11:12 AM
Benzo(g,h,i)perylene	0.45		0.25	mg/Kg-dry	1	4/19/2024 11:12 AM
Benzo(k)fluoranthene	0.31		0.25	mg/Kg-dry	1	4/19/2024 11:12 AM
Carbazole	ND		0.25	mg/Kg-dry	1	4/19/2024 11:12 AM
Chrysene	0.84		0.25	mg/Kg-dry	1	4/19/2024 11:12 AM
Dibenzo(a,h)anthracene	ND		0.12	mg/Kg-dry	1	4/19/2024 11:12 AM
Dibenzofuran	0.32		0.25	mg/Kg-dry	1	4/19/2024 11:12 AM
Fluoranthene	2.1		0.25	mg/Kg-dry	1	4/19/2024 11:12 AM
Fluorene	0.48		0.25	mg/Kg-dry	1	4/19/2024 11:12 AM
Indeno(1,2,3-cd)pyrene	0.32		0.12	mg/Kg-dry	1	4/19/2024 11:12 AM
Naphthalene	0.53		0.25	mg/Kg-dry	1	4/19/2024 11:12 AM
Phenanthrene	2.0		0.25	mg/Kg-dry	1	4/19/2024 11:12 AM
Pyrene	1.6		0.25	mg/Kg-dry	1	4/19/2024 11:12 AM
Surr: 2-Fluorobiphenyl	74.5		30-116	%REC	1	4/19/2024 11:12 AM
VOLATILE ORGANIC COMPOUNDS			SW8260B			Analyst: SK
1,1,1,2-Tetrachloroethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
1,1,1-Trichloroethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
1,1,2,2-Tetrachloroethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
1,1,2-Trichloroethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
1,1-Dichloroethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.

Project: Laisy Ave; MS24-26; ODAS0003

Work Order: 24040599

Sample ID: SB-2 (2-4')

Lab ID: 24040599-01

Collection Date: 4/10/2024 01:35 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,1-Dichloroethene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
1,1-Dichloropropene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
1,2,3-Trichlorobenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
1,2,3-Trichloropropane	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
1,2,4-Trichlorobenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
1,2,4-Trimethylbenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
1,2-Dibromo-3-chloropropane	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
1,2-Dibromoethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
1,2-Dichlorobenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
1,2-Dichloroethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
1,2-Dichloropropane	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
1,3,5-Trimethylbenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
1,3-Dichlorobenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
1,3-Dichloropropane	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
1,4-Dichlorobenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
2,2-Dichloropropane	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
2-Butanone	ND		0.054	mg/Kg-dry	1	4/17/2024 08:12 PM
2-Chlorotoluene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
2-Hexanone	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
4-Chlorotoluene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
4-Methyl-2-pentanone	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Acetone	ND		0.054	mg/Kg-dry	1	4/17/2024 08:12 PM
Benzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Bromobenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Bromochloromethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Bromodichloromethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Bromoform	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Bromomethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Carbon disulfide	0.016		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Carbon tetrachloride	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Chlorobenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Chloroethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Chloroform	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Chloromethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
cis-1,2-Dichloroethene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
cis-1,3-Dichloropropene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Dibromochloromethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Dibromomethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Dichlorodifluoromethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Ethylbenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-2 (2-4')
Collection Date: 4/10/2024 01:35 PM

Work Order: 24040599
Lab ID: 24040599-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Isopropylbenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
m,p-Xylene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Methyl tert-butyl ether	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Methylene chloride	ND		0.022	mg/Kg-dry	1	4/17/2024 08:12 PM
Naphthalene	0.0083		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
n-Butylbenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
n-Propylbenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
o-Xylene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
p-Isopropyltoluene	0.0065		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
sec-Butylbenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Styrene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
tert-Butylbenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Tetrachloroethene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Toluene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
trans-1,2-Dichloroethene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
trans-1,3-Dichloropropene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Trichloroethene	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Trichlorofluoromethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Vinyl chloride	ND		0.0054	mg/Kg-dry	1	4/17/2024 08:12 PM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	4/17/2024 08:12 PM
Surr: 4-Bromofluorobenzene	108		60-140	%REC	1	4/17/2024 08:12 PM
Surr: Dibromofluoromethane	126		60-140	%REC	1	4/17/2024 08:12 PM
Surr: Toluene-d8	105		60-140	%REC	1	4/17/2024 08:12 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-1 (2-4')
Collection Date: 4/10/2024 02:20 PM

Work Order: 24040599
Lab ID: 24040599-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS AND OIL RANGE ORGANICS			SW8015B	Prep: SW3546 4/17/24 14:21		Analyst: TME
TPH C10-C20	91		15	mg/Kg-dry	1	4/18/2024 01:25 PM
TPH C20-C34	340		15	mg/Kg-dry	1	4/18/2024 01:25 PM
Surr: Nonane	48.9		13.1-113	%REC	1	4/18/2024 01:25 PM
Surr: Pentacosane	27.1	S	30.6-143	%REC	1	4/18/2024 01:25 PM
GASOLINE RANGE ORGANICS (C6-C12)			SW8015A			Analyst: LAK
TPH C6-C12	ND		2.2	mg/Kg-dry	1	4/15/2024 05:37 PM
Surr: Cyclooctane	81.9		65.2-156	%REC	1	4/15/2024 05:37 PM
MOISTURE			SM2540B			Analyst: CS
Moisture	9.5			% of sample	1	4/16/2024
PAH COMPOUNDS			SW8270C	Prep: SW3546 4/18/24 17:07		Analyst: RA
1-Methylnaphthalene	ND		0.22	mg/Kg-dry	1	4/19/2024 11:30 AM
2-Methylnaphthalene	ND		0.22	mg/Kg-dry	1	4/19/2024 11:30 AM
Acenaphthene	ND		0.22	mg/Kg-dry	1	4/19/2024 11:30 AM
Acenaphthylene	ND		0.22	mg/Kg-dry	1	4/19/2024 11:30 AM
Anthracene	ND		0.22	mg/Kg-dry	1	4/19/2024 11:30 AM
Benzo(a)anthracene	ND		0.11	mg/Kg-dry	1	4/19/2024 11:30 AM
Benzo(a)pyrene	ND		0.11	mg/Kg-dry	1	4/19/2024 11:30 AM
Benzo(b)fluoranthene	ND		0.22	mg/Kg-dry	1	4/19/2024 11:30 AM
Benzo(g,h,i)perylene	ND		0.22	mg/Kg-dry	1	4/19/2024 11:30 AM
Benzo(k)fluoranthene	ND		0.22	mg/Kg-dry	1	4/19/2024 11:30 AM
Carbazole	ND		0.22	mg/Kg-dry	1	4/19/2024 11:30 AM
Chrysene	ND		0.22	mg/Kg-dry	1	4/19/2024 11:30 AM
Dibenzo(a,h)anthracene	ND		0.11	mg/Kg-dry	1	4/19/2024 11:30 AM
Dibenzofuran	ND		0.22	mg/Kg-dry	1	4/19/2024 11:30 AM
Fluoranthene	ND		0.22	mg/Kg-dry	1	4/19/2024 11:30 AM
Fluorene	ND		0.22	mg/Kg-dry	1	4/19/2024 11:30 AM
Indeno(1,2,3-cd)pyrene	ND		0.11	mg/Kg-dry	1	4/19/2024 11:30 AM
Naphthalene	ND		0.22	mg/Kg-dry	1	4/19/2024 11:30 AM
Phenanthrene	ND		0.22	mg/Kg-dry	1	4/19/2024 11:30 AM
Pyrene	ND		0.22	mg/Kg-dry	1	4/19/2024 11:30 AM
Surr: 2-Fluorobiphenyl	65.7		30-116	%REC	1	4/19/2024 11:30 AM
VOLATILE ORGANIC COMPOUNDS			SW8260B			Analyst: SK
1,1,1,2-Tetrachloroethane	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
1,1,1-Trichloroethane	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
1,1,2,2-Tetrachloroethane	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
1,1,2-Trichloroethane	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
1,1-Dichloroethane	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.

Project: Laisy Ave; MS24-26; ODAS0003

Sample ID: SB-1 (2-4')

Collection Date: 4/10/2024 02:20 PM

Work Order: 24040599

Lab ID: 24040599-02

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,1-Dichloroethene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
1,1-Dichloropropene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
1,2,3-Trichlorobenzene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
1,2,3-Trichloropropane	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
1,2,4-Trichlorobenzene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
1,2,4-Trimethylbenzene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
1,2-Dibromo-3-chloropropane	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
1,2-Dibromoethane	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
1,2-Dichlorobenzene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
1,2-Dichloroethane	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
1,2-Dichloropropane	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
1,3,5-Trimethylbenzene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
1,3-Dichlorobenzene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
1,3-Dichloropropane	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
1,4-Dichlorobenzene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
2,2-Dichloropropane	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
2-Butanone	ND		0.041	mg/Kg-dry	1	4/17/2024 04:09 PM
2-Chlorotoluene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
2-Hexanone	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
4-Chlorotoluene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
4-Methyl-2-pentanone	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Acetone	ND		0.041	mg/Kg-dry	1	4/17/2024 04:09 PM
Benzene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Bromobenzene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Bromochloromethane	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Bromodichloromethane	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Bromoform	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Bromomethane	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Carbon disulfide	0.0070		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Carbon tetrachloride	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Chlorobenzene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Chloroethane	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Chloroform	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Chloromethane	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
cis-1,2-Dichloroethene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
cis-1,3-Dichloropropene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Dibromochloromethane	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Dibromomethane	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Dichlorodifluoromethane	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Ethylbenzene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-1 (2-4')
Collection Date: 4/10/2024 02:20 PM

Work Order: 24040599
Lab ID: 24040599-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Isopropylbenzene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
m,p-Xylene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Methyl tert-butyl ether	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Methylene chloride	ND		0.016	mg/Kg-dry	1	4/17/2024 04:09 PM
Naphthalene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
n-Butylbenzene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
n-Propylbenzene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
o-Xylene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
p-Isopropyltoluene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
sec-Butylbenzene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Styrene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
tert-Butylbenzene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Tetrachloroethene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Toluene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
trans-1,2-Dichloroethene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
trans-1,3-Dichloropropene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Trichloroethene	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Trichlorofluoromethane	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Vinyl chloride	ND		0.0041	mg/Kg-dry	1	4/17/2024 04:09 PM
Xylenes, Total	ND		0.0082	mg/Kg-dry	1	4/17/2024 04:09 PM
<i>Surr: 4-Bromofluorobenzene</i>	112		60-140	%REC	1	4/17/2024 04:09 PM
<i>Surr: Dibromofluoromethane</i>	119		60-140	%REC	1	4/17/2024 04:09 PM
<i>Surr: Toluene-d8</i>	101		60-140	%REC	1	4/17/2024 04:09 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-4 (0-2')
Collection Date: 4/10/2024 03:00 PM

Work Order: 24040599
Lab ID: 24040599-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/17/24 15:34		Analyst: TSA
Aroclor 1016	ND		0.11	mg/Kg-dry	1	4/17/2024 11:15 PM
Aroclor 1221	ND		0.23	mg/Kg-dry	1	4/17/2024 11:15 PM
Aroclor 1232	ND		0.11	mg/Kg-dry	1	4/17/2024 11:15 PM
Aroclor 1242	ND		0.11	mg/Kg-dry	1	4/17/2024 11:15 PM
Aroclor 1248	ND		0.11	mg/Kg-dry	1	4/17/2024 11:15 PM
Aroclor 1254	ND		0.11	mg/Kg-dry	1	4/17/2024 11:15 PM
Aroclor 1260	ND		0.11	mg/Kg-dry	1	4/17/2024 11:15 PM
Aroclor 1262	ND		0.11	mg/Kg-dry	1	4/17/2024 11:15 PM
Aroclor 1268	ND		0.11	mg/Kg-dry	1	4/17/2024 11:15 PM
Surr: Decachlorobiphenyl	108		7.32-154	%REC	1	4/17/2024 11:15 PM
Surr: Tetrachloro-m-xylene	94.0		33.5-152	%REC	1	4/17/2024 11:15 PM
MOISTURE			SM2540B			Analyst: CS
Moisture	11			% of sample	1	4/16/2024
MERCURY BY CVAA			SW7471A	Prep: EPA 7471 4/17/24 15:22		Analyst: SLT
Mercury	0.023		0.013	mg/Kg-dry	1	4/18/2024 10:42 AM
METALS BY ICP			SW6010B	Prep: SW3050B 4/18/24 11:35		Analyst: JW
Antimony	1.1		0.45	mg/Kg-dry	1	4/18/2024 02:06 PM
Arsenic	8.8		1.1	mg/Kg-dry	1	4/18/2024 02:06 PM
Barium	43		4.5	mg/Kg-dry	1	4/18/2024 02:06 PM
Beryllium	0.65		0.22	mg/Kg-dry	1	4/18/2024 02:06 PM
Cadmium	0.29		0.22	mg/Kg-dry	1	4/18/2024 02:06 PM
Chromium	13		2.2	mg/Kg-dry	1	4/18/2024 02:06 PM
Cobalt	8.2		1.1	mg/Kg-dry	1	4/18/2024 02:06 PM
Lead	23		4.5	mg/Kg-dry	1	4/18/2024 02:06 PM
Nickel	26		2.2	mg/Kg-dry	1	4/18/2024 02:06 PM
Selenium	ND		0.67	mg/Kg-dry	1	4/18/2024 02:06 PM
Silver	ND		1.1	mg/Kg-dry	1	4/18/2024 02:06 PM
Thallium	ND		1.1	mg/Kg-dry	1	4/18/2024 02:06 PM
Vanadium	75		1.1	mg/Kg-dry	1	4/18/2024 02:06 PM
Zinc	78		11	mg/Kg-dry	1	4/18/2024 02:06 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C	Prep: SW3546 4/17/24 10:42		Analyst: RA
1,2,4,5-Tetrachlorobenzene	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
1,2,4-Trichlorobenzene	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
1,2-Dichlorobenzene	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
1,3-Dichlorobenzene	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
1,3-Dinitrobenzene	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
1,4-Dichlorobenzene	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-4 (0-2')
Collection Date: 4/10/2024 03:00 PM

Work Order: 24040599
Lab ID: 24040599-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1-Methylnaphthalene	ND		0.23	mg/Kg-dry	1	4/17/2024 12:32 PM
1-Naphthylamine	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
2,3,4,6-Tetrachlorophenol	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
2,4,5-Trichlorophenol	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
2,4,6-Trichlorophenol	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
2,4-Dichlorophenol	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
2,4-Dimethylphenol	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
2,4-Dinitrophenol	ND		1.9	mg/Kg-dry	1	4/17/2024 12:32 PM
2,4-Dinitrotoluene	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
2,6-Dichlorophenol	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
2,6-Dinitrotoluene	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
2-Acetylaminofluorene	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
2-Chloronaphthalene	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
2-Chlorophenol	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
2-Methylnaphthalene	ND		0.23	mg/Kg-dry	1	4/17/2024 12:32 PM
2-Methylphenol	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
2-Naphthylamine	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
2-Nitroaniline	ND		1.9	mg/Kg-dry	1	4/17/2024 12:32 PM
2-Nitrophenol	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
2-Picoline	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
3&4-Methylphenol	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
3,3'-Dichlorobenzidine	ND		0.74	mg/Kg-dry	1	4/17/2024 12:32 PM
3-Methylcholanthrene	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
3-Nitroaniline	ND		1.9	mg/Kg-dry	1	4/17/2024 12:32 PM
4,6-Dinitro-2-methylphenol	ND		1.9	mg/Kg-dry	1	4/17/2024 12:32 PM
4-Aminobiphenyl	ND		0.74	mg/Kg-dry	1	4/17/2024 12:32 PM
4-Bromophenyl phenyl ether	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
4-Chloro-3-methylphenol	ND		0.74	mg/Kg-dry	1	4/17/2024 12:32 PM
4-Chloroaniline	ND		0.74	mg/Kg-dry	1	4/17/2024 12:32 PM
4-Chlorophenyl phenyl ether	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
4-Nitroaniline	ND		0.74	mg/Kg-dry	1	4/17/2024 12:32 PM
4-Nitrophenol	ND		1.9	mg/Kg-dry	1	4/17/2024 12:32 PM
4-Nitroquinoline 1-oxide	ND		1.9	mg/Kg-dry	1	4/17/2024 12:32 PM
5-Nitro-o-toluidine	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
7,12-Dimethylbenz(a)anthracene	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Acenaphthene	ND		0.23	mg/Kg-dry	1	4/17/2024 12:32 PM
Acenaphthylene	ND		0.23	mg/Kg-dry	1	4/17/2024 12:32 PM
Acetophenone	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Aniline	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Anthracene	ND		0.23	mg/Kg-dry	1	4/17/2024 12:32 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-4 (0-2')
Collection Date: 4/10/2024 03:00 PM

Work Order: 24040599
Lab ID: 24040599-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Azobenzene	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Benzidine	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Benzo(a)anthracene	ND		0.11	mg/Kg-dry	1	4/17/2024 12:32 PM
Benzo(a)pyrene	ND		0.11	mg/Kg-dry	1	4/17/2024 12:32 PM
Benzo(b)fluoranthene	ND		0.23	mg/Kg-dry	1	4/17/2024 12:32 PM
Benzo(g,h,i)perylene	ND		0.23	mg/Kg-dry	1	4/17/2024 12:32 PM
Benzo(k)fluoranthene	ND		0.23	mg/Kg-dry	1	4/17/2024 12:32 PM
Benzyl alcohol	ND		0.74	mg/Kg-dry	1	4/17/2024 12:32 PM
Bis(2-chloroethoxy)methane	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Bis(2-chloroethyl)ether	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Bis(2-chloroisopropyl)ether	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Bis(2-ethylhexyl)phthalate	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Butyl benzyl phthalate	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Carbazole	ND		0.23	mg/Kg-dry	1	4/17/2024 12:32 PM
Chrysene	ND		0.23	mg/Kg-dry	1	4/17/2024 12:32 PM
Dibenzo(a,h)anthracene	ND		0.11	mg/Kg-dry	1	4/17/2024 12:32 PM
Dibenzofuran	ND		0.23	mg/Kg-dry	1	4/17/2024 12:32 PM
Diethyl phthalate	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Dimethyl phthalate	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Di-n-butyl phthalate	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Di-n-octyl phthalate	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Dinoseb	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Diphenylamine	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Ethyl methanesulfonate	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Fluoranthene	ND		0.23	mg/Kg-dry	1	4/17/2024 12:32 PM
Fluorene	ND		0.23	mg/Kg-dry	1	4/17/2024 12:32 PM
Hexachlorobenzene	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Hexachlorobutadiene	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Hexachlorocyclopentadiene	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Hexachloroethane	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Indeno(1,2,3-cd)pyrene	ND		0.11	mg/Kg-dry	1	4/17/2024 12:32 PM
Isophorone	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Isosafrole	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Methapyrilene	ND		1.9	mg/Kg-dry	1	4/17/2024 12:32 PM
Methyl methanesulfonate	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Naphthalene	ND		0.23	mg/Kg-dry	1	4/17/2024 12:32 PM
Nitrobenzene	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
N-Nitrosodiethylamine	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
N-Nitrosodimethylamine	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
N-Nitroso-di-n-butylamine	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-4 (0-2')
Collection Date: 4/10/2024 03:00 PM

Work Order: 24040599
Lab ID: 24040599-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
N-Nitrosomethylethylamine	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
N-Nitrosomorpholine	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
N-Nitrosopiperidine	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
N-Nitrosopyrrolidine	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
o-Toluidine	ND		1.9	mg/Kg-dry	1	4/17/2024 12:32 PM
p-Dimethylaminoazobenzene	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Pentachlorobenzene	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Pentachloroethane	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Pentachloronitrobenzene	ND		0.74	mg/Kg-dry	1	4/17/2024 12:32 PM
Pentachlorophenol	ND		1.9	mg/Kg-dry	1	4/17/2024 12:32 PM
Phenacetin	ND		0.74	mg/Kg-dry	1	4/17/2024 12:32 PM
Phenanthrene	ND		0.23	mg/Kg-dry	1	4/17/2024 12:32 PM
Phenol	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Pyrene	ND		0.23	mg/Kg-dry	1	4/17/2024 12:32 PM
Pyridine	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
Safrole	ND		0.37	mg/Kg-dry	1	4/17/2024 12:32 PM
<i>Surr: 2,4,6-Tribromophenol</i>	73.3		14.2-136	%REC	1	4/17/2024 12:32 PM
<i>Surr: 2-Fluorobiphenyl</i>	65.9		30-116	%REC	1	4/17/2024 12:32 PM
<i>Surr: 2-Fluorophenol</i>	69.7		5.42-113	%REC	1	4/17/2024 12:32 PM
<i>Surr: 4-Terphenyl-d14</i>	69.3		27.3-138	%REC	1	4/17/2024 12:32 PM
<i>Surr: Nitrobenzene-d5</i>	74.4		23.7-109	%REC	1	4/17/2024 12:32 PM
<i>Surr: Phenol-d6</i>	70.3		13.8-108	%REC	1	4/17/2024 12:32 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Analyst: SK	
1,1,1,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
1,1,1-Trichloroethane	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
1,1,2,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
1,1,2-Trichloroethane	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
1,1-Dichloroethane	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
1,1-Dichloroethene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
1,1-Dichloropropene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
1,2,3-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
1,2,3-Trichloropropane	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
1,2,4-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
1,2,4-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
1,2-Dibromo-3-chloropropane	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
1,2-Dibromoethane	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
1,2-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
1,2-Dichloroethane	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
1,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-4 (0-2')
Collection Date: 4/10/2024 03:00 PM

Work Order: 24040599
Lab ID: 24040599-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
1,3-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
1,3-Dichloropropane	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
1,4-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
2,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
2-Butanone	ND		0.049	mg/Kg-dry	1	4/17/2024 04:30 PM
2-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
2-Hexanone	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
4-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
4-Methyl-2-pentanone	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Acetone	ND		0.049	mg/Kg-dry	1	4/17/2024 04:30 PM
Benzene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Bromobenzene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Bromochloromethane	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Bromodichloromethane	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Bromoform	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Bromomethane	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Carbon disulfide	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Carbon tetrachloride	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Chlorobenzene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Chloroethane	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Chloroform	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Chloromethane	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
cis-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
cis-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Dibromochloromethane	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Dibromomethane	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Dichlorodifluoromethane	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Ethylbenzene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Hexachlorobutadiene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Isopropylbenzene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
m,p-Xylene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Methyl tert-butyl ether	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	4/17/2024 04:30 PM
Naphthalene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
n-Butylbenzene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
n-Propylbenzene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
o-Xylene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
p-Isopropyltoluene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
sec-Butylbenzene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.

Project: Laisy Ave; MS24-26; ODAS0003

Sample ID: SB-4 (0-2')

Collection Date: 4/10/2024 03:00 PM

Work Order: 24040599

Lab ID: 24040599-03

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
tert-Butylbenzene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Tetrachloroethene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Toluene	0.0052		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
trans-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
trans-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Trichloroethene	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Trichlorofluoromethane	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Vinyl chloride	ND		0.0049	mg/Kg-dry	1	4/17/2024 04:30 PM
Xylenes, Total	ND		0.0098	mg/Kg-dry	1	4/17/2024 04:30 PM
<i>Surr: 4-Bromofluorobenzene</i>	116		60-140	%REC	1	4/17/2024 04:30 PM
<i>Surr: Dibromofluoromethane</i>	118		60-140	%REC	1	4/17/2024 04:30 PM
<i>Surr: Toluene-d8</i>	101		60-140	%REC	1	4/17/2024 04:30 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-6 (0-2')
Collection Date: 4/10/2024 03:15 PM

Work Order: 24040599
Lab ID: 24040599-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/17/24 15:34		Analyst: TSA
Aroclor 1016	ND		0.12	mg/Kg-dry	1	4/17/2024 11:31 PM
Aroclor 1221	ND		0.24	mg/Kg-dry	1	4/17/2024 11:31 PM
Aroclor 1232	ND		0.12	mg/Kg-dry	1	4/17/2024 11:31 PM
Aroclor 1242	ND		0.12	mg/Kg-dry	1	4/17/2024 11:31 PM
Aroclor 1248	ND		0.12	mg/Kg-dry	1	4/17/2024 11:31 PM
Aroclor 1254	ND		0.12	mg/Kg-dry	1	4/17/2024 11:31 PM
Aroclor 1260	ND		0.12	mg/Kg-dry	1	4/17/2024 11:31 PM
Aroclor 1262	ND		0.12	mg/Kg-dry	1	4/17/2024 11:31 PM
Aroclor 1268	ND		0.12	mg/Kg-dry	1	4/17/2024 11:31 PM
Surr: Decachlorobiphenyl	106		7.32-154	%REC	1	4/17/2024 11:31 PM
Surr: Tetrachloro-m-xylene	94.0		33.5-152	%REC	1	4/17/2024 11:31 PM
MOISTURE			SM2540B			Analyst: CS
Moisture	18			% of sample	1	4/16/2024
MERCURY BY CVAA			SW7471A	Prep: EPA 7471 4/22/24 12:23		Analyst: SLT
Mercury	0.096		0.014	mg/Kg-dry	1	4/22/2024 03:14 PM
METALS BY ICP			SW6010B	Prep: SW3050B 4/18/24 11:35		Analyst: JW
Antimony	3.3		0.48	mg/Kg-dry	1	4/18/2024 02:08 PM
Arsenic	11		1.2	mg/Kg-dry	1	4/18/2024 02:08 PM
Barium	45		4.8	mg/Kg-dry	1	4/18/2024 02:08 PM
Beryllium	0.65		0.24	mg/Kg-dry	1	4/18/2024 02:08 PM
Cadmium	0.65		0.24	mg/Kg-dry	1	4/18/2024 02:08 PM
Chromium	14		2.4	mg/Kg-dry	1	4/18/2024 02:08 PM
Cobalt	7.1		1.2	mg/Kg-dry	1	4/18/2024 02:08 PM
Lead	190		4.8	mg/Kg-dry	1	4/18/2024 02:08 PM
Nickel	21		2.4	mg/Kg-dry	1	4/18/2024 02:08 PM
Selenium	ND		0.73	mg/Kg-dry	1	4/18/2024 02:08 PM
Silver	ND		1.2	mg/Kg-dry	1	4/18/2024 02:08 PM
Thallium	ND		1.2	mg/Kg-dry	1	4/18/2024 02:08 PM
Vanadium	25		1.2	mg/Kg-dry	1	4/18/2024 02:08 PM
Zinc	110		12	mg/Kg-dry	1	4/18/2024 02:08 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C	Prep: SW3546 4/17/24 10:42		Analyst: RA
1,2,4,5-Tetrachlorobenzene	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
1,2,4-Trichlorobenzene	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
1,2-Dichlorobenzene	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
1,3-Dichlorobenzene	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
1,3-Dinitrobenzene	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
1,4-Dichlorobenzene	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-6 (0-2')
Collection Date: 4/10/2024 03:15 PM

Work Order: 24040599
Lab ID: 24040599-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1-Methylnaphthalene	ND		0.24	mg/Kg-dry	1	4/17/2024 12:46 PM
1-Naphthylamine	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
2,3,4,6-Tetrachlorophenol	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
2,4,5-Trichlorophenol	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
2,4,6-Trichlorophenol	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
2,4-Dichlorophenol	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
2,4-Dimethylphenol	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
2,4-Dinitrophenol	ND		2.0	mg/Kg-dry	1	4/17/2024 12:46 PM
2,4-Dinitrotoluene	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
2,6-Dichlorophenol	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
2,6-Dinitrotoluene	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
2-Acetylaminofluorene	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
2-Chloronaphthalene	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
2-Chlorophenol	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
2-Methylnaphthalene	ND		0.24	mg/Kg-dry	1	4/17/2024 12:46 PM
2-Methylphenol	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
2-Naphthylamine	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
2-Nitroaniline	ND		2.0	mg/Kg-dry	1	4/17/2024 12:46 PM
2-Nitrophenol	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
2-Picoline	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
3&4-Methylphenol	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
3,3'-Dichlorobenzidine	ND		0.81	mg/Kg-dry	1	4/17/2024 12:46 PM
3-Methylcholanthrene	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
3-Nitroaniline	ND		2.0	mg/Kg-dry	1	4/17/2024 12:46 PM
4,6-Dinitro-2-methylphenol	ND		2.0	mg/Kg-dry	1	4/17/2024 12:46 PM
4-Aminobiphenyl	ND		0.81	mg/Kg-dry	1	4/17/2024 12:46 PM
4-Bromophenyl phenyl ether	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
4-Chloro-3-methylphenol	ND		0.81	mg/Kg-dry	1	4/17/2024 12:46 PM
4-Chloroaniline	ND		0.81	mg/Kg-dry	1	4/17/2024 12:46 PM
4-Chlorophenyl phenyl ether	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
4-Nitroaniline	ND		0.81	mg/Kg-dry	1	4/17/2024 12:46 PM
4-Nitrophenol	ND		2.0	mg/Kg-dry	1	4/17/2024 12:46 PM
4-Nitroquinoline 1-oxide	ND		2.0	mg/Kg-dry	1	4/17/2024 12:46 PM
5-Nitro-o-toluidine	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
7,12-Dimethylbenz(a)anthracene	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Acenaphthene	ND		0.24	mg/Kg-dry	1	4/17/2024 12:46 PM
Acenaphthylene	ND		0.24	mg/Kg-dry	1	4/17/2024 12:46 PM
Acetophenone	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Aniline	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Anthracene	ND		0.24	mg/Kg-dry	1	4/17/2024 12:46 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.

Project: Laisy Ave; MS24-26; ODAS0003

Sample ID: SB-6 (0-2')

Collection Date: 4/10/2024 03:15 PM

Work Order: 24040599

Lab ID: 24040599-04

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Azobenzene	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Benzidine	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Benzo(a)anthracene	ND		0.12	mg/Kg-dry	1	4/17/2024 12:46 PM
Benzo(a)pyrene	ND		0.12	mg/Kg-dry	1	4/17/2024 12:46 PM
Benzo(b)fluoranthene	ND		0.24	mg/Kg-dry	1	4/17/2024 12:46 PM
Benzo(g,h,i)perylene	ND		0.24	mg/Kg-dry	1	4/17/2024 12:46 PM
Benzo(k)fluoranthene	ND		0.24	mg/Kg-dry	1	4/17/2024 12:46 PM
Benzyl alcohol	ND		0.81	mg/Kg-dry	1	4/17/2024 12:46 PM
Bis(2-chloroethoxy)methane	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Bis(2-chloroethyl)ether	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Bis(2-chloroisopropyl)ether	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Bis(2-ethylhexyl)phthalate	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Butyl benzyl phthalate	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Carbazole	ND		0.24	mg/Kg-dry	1	4/17/2024 12:46 PM
Chrysene	ND		0.24	mg/Kg-dry	1	4/17/2024 12:46 PM
Dibenzo(a,h)anthracene	ND		0.12	mg/Kg-dry	1	4/17/2024 12:46 PM
Dibenzofuran	ND		0.24	mg/Kg-dry	1	4/17/2024 12:46 PM
Diethyl phthalate	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Dimethyl phthalate	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Di-n-butyl phthalate	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Di-n-octyl phthalate	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Dinoseb	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Diphenylamine	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Ethyl methanesulfonate	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Fluoranthene	ND		0.24	mg/Kg-dry	1	4/17/2024 12:46 PM
Fluorene	ND		0.24	mg/Kg-dry	1	4/17/2024 12:46 PM
Hexachlorobenzene	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Hexachlorobutadiene	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Hexachlorocyclopentadiene	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Hexachloroethane	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Indeno(1,2,3-cd)pyrene	ND		0.12	mg/Kg-dry	1	4/17/2024 12:46 PM
Isophorone	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Isosafrole	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Methapyrilene	ND		2.0	mg/Kg-dry	1	4/17/2024 12:46 PM
Methyl methanesulfonate	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Naphthalene	ND		0.24	mg/Kg-dry	1	4/17/2024 12:46 PM
Nitrobenzene	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
N-Nitrosodiethylamine	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
N-Nitrosodimethylamine	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
N-Nitroso-di-n-butylamine	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-6 (0-2')
Collection Date: 4/10/2024 03:15 PM

Work Order: 24040599
Lab ID: 24040599-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
N-Nitrosomethylethylamine	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
N-Nitrosomorpholine	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
N-Nitrosopiperidine	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
N-Nitrosopyrrolidine	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
o-Toluidine	ND		2.0	mg/Kg-dry	1	4/17/2024 12:46 PM
p-Dimethylaminoazobenzene	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Pentachlorobenzene	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Pentachloroethane	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Pentachloronitrobenzene	ND		0.81	mg/Kg-dry	1	4/17/2024 12:46 PM
Pentachlorophenol	ND		2.0	mg/Kg-dry	1	4/17/2024 12:46 PM
Phenacetin	ND		0.81	mg/Kg-dry	1	4/17/2024 12:46 PM
Phenanthrene	ND		0.24	mg/Kg-dry	1	4/17/2024 12:46 PM
Phenol	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Pyrene	ND		0.24	mg/Kg-dry	1	4/17/2024 12:46 PM
Pyridine	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
Safrole	ND		0.40	mg/Kg-dry	1	4/17/2024 12:46 PM
<i>Surr: 2,4,6-Tribromophenol</i>	76.4		14.2-136	%REC	1	4/17/2024 12:46 PM
<i>Surr: 2-Fluorobiphenyl</i>	69.4		30-116	%REC	1	4/17/2024 12:46 PM
<i>Surr: 2-Fluorophenol</i>	73.1		5.42-113	%REC	1	4/17/2024 12:46 PM
<i>Surr: 4-Terphenyl-d14</i>	69.1		27.3-138	%REC	1	4/17/2024 12:46 PM
<i>Surr: Nitrobenzene-d5</i>	77.5		23.7-109	%REC	1	4/17/2024 12:46 PM
<i>Surr: Phenol-d6</i>	72.3		13.8-108	%REC	1	4/17/2024 12:46 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B	Analyst: SK		
1,1,1,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
1,1,1-Trichloroethane	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
1,1,2,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
1,1,2-Trichloroethane	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
1,1-Dichloroethane	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
1,1-Dichloroethene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
1,1-Dichloropropene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
1,2,3-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
1,2,3-Trichloropropane	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
1,2,4-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
1,2,4-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
1,2-Dibromo-3-chloropropane	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
1,2-Dibromoethane	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
1,2-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
1,2-Dichloroethane	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
1,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.

Project: Laisy Ave; MS24-26; ODAS0003

Sample ID: SB-6 (0-2')

Collection Date: 4/10/2024 03:15 PM

Work Order: 24040599

Lab ID: 24040599-04

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
1,3-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
1,3-Dichloropropane	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
1,4-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
2,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
2-Butanone	ND		0.046	mg/Kg-dry	1	4/17/2024 04:50 PM
2-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
2-Hexanone	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
4-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
4-Methyl-2-pentanone	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Acetone	ND		0.046	mg/Kg-dry	1	4/17/2024 04:50 PM
Benzene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Bromobenzene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Bromochloromethane	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Bromodichloromethane	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Bromoform	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Bromomethane	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Carbon disulfide	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Carbon tetrachloride	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Chlorobenzene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Chloroethane	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Chloroform	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Chloromethane	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
cis-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
cis-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Dibromochloromethane	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Dibromomethane	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Dichlorodifluoromethane	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Ethylbenzene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Hexachlorobutadiene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Isopropylbenzene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
m,p-Xylene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Methyl tert-butyl ether	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Methylene chloride	ND		0.018	mg/Kg-dry	1	4/17/2024 04:50 PM
Naphthalene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
n-Butylbenzene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
n-Propylbenzene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
o-Xylene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
p-Isopropyltoluene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
sec-Butylbenzene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-6 (0-2')
Collection Date: 4/10/2024 03:15 PM

Work Order: 24040599
Lab ID: 24040599-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
tert-Butylbenzene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Tetrachloroethene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Toluene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
trans-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
trans-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Trichloroethene	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Trichlorofluoromethane	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Vinyl chloride	ND		0.0046	mg/Kg-dry	1	4/17/2024 04:50 PM
Xylenes, Total	ND		0.0092	mg/Kg-dry	1	4/17/2024 04:50 PM
<i>Surr: 4-Bromofluorobenzene</i>	110		60-140	%REC	1	4/17/2024 04:50 PM
<i>Surr: Dibromofluoromethane</i>	122		60-140	%REC	1	4/17/2024 04:50 PM
<i>Surr: Toluene-d8</i>	103		60-140	%REC	1	4/17/2024 04:50 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-5 (0-2')
Collection Date: 4/10/2024 03:30 PM

Work Order: 24040599
Lab ID: 24040599-05
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/17/24 15:34		Analyst: TSA
Aroclor 1016	ND		0.12	mg/Kg-dry	1	4/17/2024 11:47 PM
Aroclor 1221	ND		0.25	mg/Kg-dry	1	4/17/2024 11:47 PM
Aroclor 1232	ND		0.12	mg/Kg-dry	1	4/17/2024 11:47 PM
Aroclor 1242	ND		0.12	mg/Kg-dry	1	4/17/2024 11:47 PM
Aroclor 1248	ND		0.12	mg/Kg-dry	1	4/17/2024 11:47 PM
Aroclor 1254	ND		0.12	mg/Kg-dry	1	4/17/2024 11:47 PM
Aroclor 1260	ND		0.12	mg/Kg-dry	1	4/17/2024 11:47 PM
Aroclor 1262	ND		0.12	mg/Kg-dry	1	4/17/2024 11:47 PM
Aroclor 1268	ND		0.12	mg/Kg-dry	1	4/17/2024 11:47 PM
Surr: Decachlorobiphenyl	104		7.32-154	%REC	1	4/17/2024 11:47 PM
Surr: Tetrachloro-m-xylene	92.0		33.5-152	%REC	1	4/17/2024 11:47 PM
MOISTURE			SM2540B			Analyst: CS
Moisture	19			% of sample	1	4/16/2024
MERCURY BY CVAA			SW7471A	Prep: EPA 7471 4/22/24 12:23		Analyst: SLT
Mercury	0.049		0.014	mg/Kg-dry	1	4/22/2024 03:16 PM
METALS BY ICP			SW6010B	Prep: SW3050B 4/18/24 11:35		Analyst: JW
Antimony	2.9		0.49	mg/Kg-dry	1	4/18/2024 02:13 PM
Arsenic	11		1.2	mg/Kg-dry	1	4/18/2024 02:13 PM
Barium	64		4.9	mg/Kg-dry	1	4/18/2024 02:13 PM
Beryllium	0.64		0.24	mg/Kg-dry	1	4/18/2024 02:13 PM
Cadmium	2.2		0.24	mg/Kg-dry	1	4/18/2024 02:13 PM
Chromium	16		2.4	mg/Kg-dry	1	4/18/2024 02:13 PM
Cobalt	4.5		1.2	mg/Kg-dry	1	4/18/2024 02:13 PM
Lead	200		4.9	mg/Kg-dry	1	4/18/2024 02:13 PM
Nickel	24		2.4	mg/Kg-dry	1	4/18/2024 02:13 PM
Selenium	ND		0.73	mg/Kg-dry	1	4/18/2024 02:13 PM
Silver	ND		1.2	mg/Kg-dry	1	4/18/2024 02:13 PM
Thallium	ND		1.2	mg/Kg-dry	1	4/18/2024 02:13 PM
Vanadium	66		1.2	mg/Kg-dry	1	4/18/2024 02:13 PM
Zinc	580		12	mg/Kg-dry	1	4/18/2024 02:13 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C	Prep: SW3546 4/17/24 10:42		Analyst: RA
1,2,4,5-Tetrachlorobenzene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
1,2,4-Trichlorobenzene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
1,2-Dichlorobenzene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
1,3-Dichlorobenzene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
1,3-Dinitrobenzene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
1,4-Dichlorobenzene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.

Project: Laisy Ave; MS24-26; ODAS0003

Sample ID: SB-5 (0-2')

Collection Date: 4/10/2024 03:30 PM

Work Order: 24040599

Lab ID: 24040599-05

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1-Methylnaphthalene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:00 PM
1-Naphthylamine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
2,3,4,6-Tetrachlorophenol	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
2,4,5-Trichlorophenol	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
2,4,6-Trichlorophenol	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
2,4-Dichlorophenol	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
2,4-Dimethylphenol	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
2,4-Dinitrophenol	ND		2.0	mg/Kg-dry	1	4/17/2024 01:00 PM
2,4-Dinitrotoluene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
2,6-Dichlorophenol	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
2,6-Dinitrotoluene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
2-Acetylaminofluorene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
2-Chloronaphthalene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
2-Chlorophenol	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
2-Methylnaphthalene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:00 PM
2-Methylphenol	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
2-Naphthylamine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
2-Nitroaniline	ND		2.0	mg/Kg-dry	1	4/17/2024 01:00 PM
2-Nitrophenol	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
2-Picoline	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
3&4-Methylphenol	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
3,3'-Dichlorobenzidine	ND		0.82	mg/Kg-dry	1	4/17/2024 01:00 PM
3-Methylcholanthrene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
3-Nitroaniline	ND		2.0	mg/Kg-dry	1	4/17/2024 01:00 PM
4,6-Dinitro-2-methylphenol	ND		2.0	mg/Kg-dry	1	4/17/2024 01:00 PM
4-Aminobiphenyl	ND		0.82	mg/Kg-dry	1	4/17/2024 01:00 PM
4-Bromophenyl phenyl ether	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
4-Chloro-3-methylphenol	ND		0.82	mg/Kg-dry	1	4/17/2024 01:00 PM
4-Chloroaniline	ND		0.82	mg/Kg-dry	1	4/17/2024 01:00 PM
4-Chlorophenyl phenyl ether	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
4-Nitroaniline	ND		0.82	mg/Kg-dry	1	4/17/2024 01:00 PM
4-Nitrophenol	ND		2.0	mg/Kg-dry	1	4/17/2024 01:00 PM
4-Nitroquinoline 1-oxide	ND		2.0	mg/Kg-dry	1	4/17/2024 01:00 PM
5-Nitro-o-toluidine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
7,12-Dimethylbenz(a)anthracene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Acenaphthene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:00 PM
Acenaphthylene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:00 PM
Acetophenone	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Aniline	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Anthracene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:00 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-5 (0-2')
Collection Date: 4/10/2024 03:30 PM

Work Order: 24040599
Lab ID: 24040599-05
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Azobenzene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Benzidine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Benzo(a)anthracene	0.65		0.12	mg/Kg-dry	1	4/17/2024 01:00 PM
Benzo(a)pyrene	0.47		0.12	mg/Kg-dry	1	4/17/2024 01:00 PM
Benzo(b)fluoranthene	0.81		0.25	mg/Kg-dry	1	4/17/2024 01:00 PM
Benzo(g,h,i)perylene	0.50		0.25	mg/Kg-dry	1	4/17/2024 01:00 PM
Benzo(k)fluoranthene	0.34		0.25	mg/Kg-dry	1	4/17/2024 01:00 PM
Benzyl alcohol	ND		0.82	mg/Kg-dry	1	4/17/2024 01:00 PM
Bis(2-chloroethoxy)methane	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Bis(2-chloroethyl)ether	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Bis(2-chloroisopropyl)ether	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Bis(2-ethylhexyl)phthalate	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Butyl benzyl phthalate	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Carbazole	ND		0.25	mg/Kg-dry	1	4/17/2024 01:00 PM
Chrysene	0.68		0.25	mg/Kg-dry	1	4/17/2024 01:00 PM
Dibenzo(a,h)anthracene	ND		0.12	mg/Kg-dry	1	4/17/2024 01:00 PM
Dibenzofuran	ND		0.25	mg/Kg-dry	1	4/17/2024 01:00 PM
Diethyl phthalate	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Dimethyl phthalate	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Di-n-butyl phthalate	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Di-n-octyl phthalate	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Dinoseb	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Diphenylamine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Ethyl methanesulfonate	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Fluoranthene	1.5		0.25	mg/Kg-dry	1	4/17/2024 01:00 PM
Fluorene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:00 PM
Hexachlorobenzene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Hexachlorobutadiene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Hexachlorocyclopentadiene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Hexachloroethane	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Indeno(1,2,3-cd)pyrene	ND		0.12	mg/Kg-dry	1	4/17/2024 01:00 PM
Isophorone	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Isosafrole	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Methapyrilene	ND		2.0	mg/Kg-dry	1	4/17/2024 01:00 PM
Methyl methanesulfonate	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Naphthalene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:00 PM
Nitrobenzene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
N-Nitrosodiethylamine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
N-Nitrosodimethylamine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
N-Nitroso-di-n-butylamine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-5 (0-2')
Collection Date: 4/10/2024 03:30 PM

Work Order: 24040599
Lab ID: 24040599-05
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
N-Nitrosomethylethylamine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
N-Nitrosomorpholine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
N-Nitrosopiperidine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
N-Nitrosopyrrolidine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
o-Toluidine	ND		2.0	mg/Kg-dry	1	4/17/2024 01:00 PM
p-Dimethylaminoazobenzene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Pentachlorobenzene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Pentachloroethane	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Pentachloronitrobenzene	ND		0.82	mg/Kg-dry	1	4/17/2024 01:00 PM
Pentachlorophenol	ND		2.0	mg/Kg-dry	1	4/17/2024 01:00 PM
Phenacetin	ND		0.82	mg/Kg-dry	1	4/17/2024 01:00 PM
Phenanthrene	1.0		0.25	mg/Kg-dry	1	4/17/2024 01:00 PM
Phenol	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Pyrene	1.3		0.25	mg/Kg-dry	1	4/17/2024 01:00 PM
Pyridine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
Safrole	ND		0.41	mg/Kg-dry	1	4/17/2024 01:00 PM
<i>Surr: 2,4,6-Tribromophenol</i>	<i>80.3</i>		<i>14.2-136</i>	<i>%REC</i>	1	4/17/2024 01:00 PM
<i>Surr: 2-Fluorobiphenyl</i>	<i>70.9</i>		<i>30-116</i>	<i>%REC</i>	1	4/17/2024 01:00 PM
<i>Surr: 2-Fluorophenol</i>	<i>73.8</i>		<i>5.42-113</i>	<i>%REC</i>	1	4/17/2024 01:00 PM
<i>Surr: 4-Terphenyl-d14</i>	<i>73.0</i>		<i>27.3-138</i>	<i>%REC</i>	1	4/17/2024 01:00 PM
<i>Surr: Nitrobenzene-d5</i>	<i>78.1</i>		<i>23.7-109</i>	<i>%REC</i>	1	4/17/2024 01:00 PM
<i>Surr: Phenol-d6</i>	<i>73.9</i>		<i>13.8-108</i>	<i>%REC</i>	1	4/17/2024 01:00 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Analyst: SK	
1,1,1,2-Tetrachloroethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
1,1,1-Trichloroethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
1,1,2,2-Tetrachloroethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
1,1,2-Trichloroethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
1,1-Dichloroethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
1,1-Dichloroethene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
1,1-Dichloropropene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
1,2,3-Trichlorobenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
1,2,3-Trichloropropane	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
1,2,4-Trichlorobenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
1,2,4-Trimethylbenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
1,2-Dibromo-3-chloropropane	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
1,2-Dibromoethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
1,2-Dichlorobenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
1,2-Dichloroethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
1,2-Dichloropropane	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.

Project: Laisy Ave; MS24-26; ODAS0003

Work Order: 24040599

Sample ID: SB-5 (0-2')

Lab ID: 24040599-05

Collection Date: 4/10/2024 03:30 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
1,3-Dichlorobenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
1,3-Dichloropropane	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
1,4-Dichlorobenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
2,2-Dichloropropane	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
2-Butanone	ND		0.054	mg/Kg-dry	1	4/17/2024 05:10 PM
2-Chlorotoluene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
2-Hexanone	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
4-Chlorotoluene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
4-Methyl-2-pentanone	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Acetone	ND		0.054	mg/Kg-dry	1	4/17/2024 05:10 PM
Benzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Bromobenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Bromochloromethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Bromodichloromethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Bromoform	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Bromomethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Carbon disulfide	0.011		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Carbon tetrachloride	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Chlorobenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Chloroethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Chloroform	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Chloromethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
cis-1,2-Dichloroethene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
cis-1,3-Dichloropropene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Dibromochloromethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Dibromomethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Dichlorodifluoromethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Ethylbenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Hexachlorobutadiene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Isopropylbenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
m,p-Xylene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Methyl tert-butyl ether	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Methylene chloride	ND		0.022	mg/Kg-dry	1	4/17/2024 05:10 PM
Naphthalene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
n-Butylbenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
n-Propylbenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
o-Xylene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
p-Isopropyltoluene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
sec-Butylbenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.

Project: Laisy Ave; MS24-26; ODAS0003

Sample ID: SB-5 (0-2')

Collection Date: 4/10/2024 03:30 PM

Work Order: 24040599

Lab ID: 24040599-05

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
tert-Butylbenzene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Tetrachloroethene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Toluene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
trans-1,2-Dichloroethene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
trans-1,3-Dichloropropene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Trichloroethene	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Trichlorofluoromethane	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Vinyl chloride	ND		0.0054	mg/Kg-dry	1	4/17/2024 05:10 PM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	4/17/2024 05:10 PM
<i>Surr: 4-Bromofluorobenzene</i>	108		60-140	%REC	1	4/17/2024 05:10 PM
<i>Surr: Dibromofluoromethane</i>	115		60-140	%REC	1	4/17/2024 05:10 PM
<i>Surr: Toluene-d8</i>	105		60-140	%REC	1	4/17/2024 05:10 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-5 (2-4')
Collection Date: 4/10/2024 04:10 PM

Work Order: 24040599
Lab ID: 24040599-06
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/17/24 15:34		Analyst: TSA
Aroclor 1016	ND		0.13	mg/Kg-dry	1	4/18/2024
Aroclor 1221	ND		0.26	mg/Kg-dry	1	4/18/2024
Aroclor 1232	ND		0.13	mg/Kg-dry	1	4/18/2024
Aroclor 1242	ND		0.13	mg/Kg-dry	1	4/18/2024
Aroclor 1248	ND		0.13	mg/Kg-dry	1	4/18/2024
Aroclor 1254	ND		0.13	mg/Kg-dry	1	4/18/2024
Aroclor 1260	ND		0.13	mg/Kg-dry	1	4/18/2024
Aroclor 1262	ND		0.13	mg/Kg-dry	1	4/18/2024
Aroclor 1268	ND		0.13	mg/Kg-dry	1	4/18/2024
Surr: Decachlorobiphenyl	94.0		7.32-154	%REC	1	4/18/2024
Surr: Tetrachloro-m-xylene	96.0		33.5-152	%REC	1	4/18/2024
MOISTURE			SM2540B			Analyst: CS
Moisture	22			% of sample	1	4/16/2024
MERCURY BY CVAA			SW7471A	Prep: EPA 7471 4/22/24 12:23		Analyst: SLT
Mercury	0.032		0.015	mg/Kg-dry	1	4/22/2024 03:18 PM
METALS BY ICP			SW6010B	Prep: SW3050B 4/18/24 11:35		Analyst: JW
Antimony	0.79		0.50	mg/Kg-dry	1	4/18/2024 02:14 PM
Arsenic	7.2		1.3	mg/Kg-dry	1	4/18/2024 02:14 PM
Barium	100		5.0	mg/Kg-dry	1	4/18/2024 02:14 PM
Beryllium	0.65		0.25	mg/Kg-dry	1	4/18/2024 02:14 PM
Cadmium	ND		0.25	mg/Kg-dry	1	4/18/2024 02:14 PM
Chromium	9.7		2.5	mg/Kg-dry	1	4/18/2024 02:14 PM
Cobalt	2.6		1.3	mg/Kg-dry	1	4/18/2024 02:14 PM
Lead	23		5.0	mg/Kg-dry	1	4/18/2024 02:14 PM
Nickel	8.5		2.5	mg/Kg-dry	1	4/18/2024 02:14 PM
Selenium	ND		0.76	mg/Kg-dry	1	4/18/2024 02:14 PM
Silver	ND		1.3	mg/Kg-dry	1	4/18/2024 02:14 PM
Thallium	ND		1.3	mg/Kg-dry	1	4/18/2024 02:14 PM
Vanadium	82		1.3	mg/Kg-dry	1	4/18/2024 02:14 PM
Zinc	33		13	mg/Kg-dry	1	4/18/2024 02:14 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C	Prep: SW3546 4/17/24 10:42		Analyst: RA
1,2,4,5-Tetrachlorobenzene	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
1,2,4-Trichlorobenzene	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
1,2-Dichlorobenzene	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
1,3-Dichlorobenzene	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
1,3-Dinitrobenzene	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
1,4-Dichlorobenzene	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-5 (2-4')
Collection Date: 4/10/2024 04:10 PM

Work Order: 24040599
Lab ID: 24040599-06
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1-Methylnaphthalene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:13 PM
1-Naphthylamine	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
2,3,4,6-Tetrachlorophenol	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
2,4,5-Trichlorophenol	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
2,4,6-Trichlorophenol	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
2,4-Dichlorophenol	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
2,4-Dimethylphenol	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
2,4-Dinitrophenol	ND		2.1	mg/Kg-dry	1	4/17/2024 01:13 PM
2,4-Dinitrotoluene	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
2,6-Dichlorophenol	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
2,6-Dinitrotoluene	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
2-Acetylaminofluorene	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
2-Chloronaphthalene	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
2-Chlorophenol	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
2-Methylnaphthalene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:13 PM
2-Methylphenol	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
2-Naphthylamine	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
2-Nitroaniline	ND		2.1	mg/Kg-dry	1	4/17/2024 01:13 PM
2-Nitrophenol	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
2-Picoline	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
3&4-Methylphenol	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
3,3'-Dichlorobenzidine	ND		0.84	mg/Kg-dry	1	4/17/2024 01:13 PM
3-Methylcholanthrene	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
3-Nitroaniline	ND		2.1	mg/Kg-dry	1	4/17/2024 01:13 PM
4,6-Dinitro-2-methylphenol	ND		2.1	mg/Kg-dry	1	4/17/2024 01:13 PM
4-Aminobiphenyl	ND		0.84	mg/Kg-dry	1	4/17/2024 01:13 PM
4-Bromophenyl phenyl ether	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
4-Chloro-3-methylphenol	ND		0.84	mg/Kg-dry	1	4/17/2024 01:13 PM
4-Chloroaniline	ND		0.84	mg/Kg-dry	1	4/17/2024 01:13 PM
4-Chlorophenyl phenyl ether	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
4-Nitroaniline	ND		0.84	mg/Kg-dry	1	4/17/2024 01:13 PM
4-Nitrophenol	ND		2.1	mg/Kg-dry	1	4/17/2024 01:13 PM
4-Nitroquinoline 1-oxide	ND		2.1	mg/Kg-dry	1	4/17/2024 01:13 PM
5-Nitro-o-toluidine	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
7,12-Dimethylbenz(a)anthracene	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Acenaphthene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:13 PM
Acenaphthylene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:13 PM
Acetophenone	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Aniline	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Anthracene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:13 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.

Project: Laisy Ave; MS24-26; ODAS0003

Sample ID: SB-5 (2-4')

Collection Date: 4/10/2024 04:10 PM

Work Order: 24040599

Lab ID: 24040599-06

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Azobenzene	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Benzidine	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Benzo(a)anthracene	ND		0.13	mg/Kg-dry	1	4/17/2024 01:13 PM
Benzo(a)pyrene	ND		0.13	mg/Kg-dry	1	4/17/2024 01:13 PM
Benzo(b)fluoranthene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:13 PM
Benzo(g,h,i)perylene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:13 PM
Benzo(k)fluoranthene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:13 PM
Benzyl alcohol	ND		0.84	mg/Kg-dry	1	4/17/2024 01:13 PM
Bis(2-chloroethoxy)methane	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Bis(2-chloroethyl)ether	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Bis(2-chloroisopropyl)ether	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Bis(2-ethylhexyl)phthalate	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Butyl benzyl phthalate	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Carbazole	ND		0.25	mg/Kg-dry	1	4/17/2024 01:13 PM
Chrysene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:13 PM
Dibenzo(a,h)anthracene	ND		0.13	mg/Kg-dry	1	4/17/2024 01:13 PM
Dibenzofuran	ND		0.25	mg/Kg-dry	1	4/17/2024 01:13 PM
Diethyl phthalate	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Dimethyl phthalate	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Di-n-butyl phthalate	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Di-n-octyl phthalate	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Dinoseb	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Diphenylamine	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Ethyl methanesulfonate	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Fluoranthene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:13 PM
Fluorene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:13 PM
Hexachlorobenzene	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Hexachlorobutadiene	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Hexachlorocyclopentadiene	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Hexachloroethane	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Indeno(1,2,3-cd)pyrene	ND		0.13	mg/Kg-dry	1	4/17/2024 01:13 PM
Isophorone	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Isosafrole	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Methapyrilene	ND		2.1	mg/Kg-dry	1	4/17/2024 01:13 PM
Methyl methanesulfonate	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Naphthalene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:13 PM
Nitrobenzene	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
N-Nitrosodiethylamine	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
N-Nitrosodimethylamine	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
N-Nitroso-di-n-butylamine	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-5 (2-4')
Collection Date: 4/10/2024 04:10 PM

Work Order: 24040599
Lab ID: 24040599-06
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
N-Nitrosomethylethylamine	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
N-Nitrosomorpholine	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
N-Nitrosopiperidine	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
N-Nitrosopyrrolidine	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
o-Toluidine	ND		2.1	mg/Kg-dry	1	4/17/2024 01:13 PM
p-Dimethylaminoazobenzene	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Pentachlorobenzene	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Pentachloroethane	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Pentachloronitrobenzene	ND		0.84	mg/Kg-dry	1	4/17/2024 01:13 PM
Pentachlorophenol	ND		2.1	mg/Kg-dry	1	4/17/2024 01:13 PM
Phenacetin	ND		0.84	mg/Kg-dry	1	4/17/2024 01:13 PM
Phenanthrene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:13 PM
Phenol	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Pyrene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:13 PM
Pyridine	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
Safrole	ND		0.42	mg/Kg-dry	1	4/17/2024 01:13 PM
<i>Surr: 2,4,6-Tribromophenol</i>	76.3		14.2-136	%REC	1	4/17/2024 01:13 PM
<i>Surr: 2-Fluorobiphenyl</i>	70.1		30-116	%REC	1	4/17/2024 01:13 PM
<i>Surr: 2-Fluorophenol</i>	71.9		5.42-113	%REC	1	4/17/2024 01:13 PM
<i>Surr: 4-Terphenyl-d14</i>	72.6		27.3-138	%REC	1	4/17/2024 01:13 PM
<i>Surr: Nitrobenzene-d5</i>	74.8		23.7-109	%REC	1	4/17/2024 01:13 PM
<i>Surr: Phenol-d6</i>	71.8		13.8-108	%REC	1	4/17/2024 01:13 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Analyst: SK	
1,1,1,2-Tetrachloroethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
1,1,1-Trichloroethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
1,1,2,2-Tetrachloroethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
1,1,2-Trichloroethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
1,1-Dichloroethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
1,1-Dichloroethene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
1,1-Dichloropropene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
1,2,3-Trichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
1,2,3-Trichloropropane	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
1,2,4-Trichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
1,2,4-Trimethylbenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
1,2-Dibromo-3-chloropropane	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
1,2-Dibromoethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
1,2-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
1,2-Dichloroethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
1,2-Dichloropropane	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-5 (2-4')
Collection Date: 4/10/2024 04:10 PM

Work Order: 24040599
Lab ID: 24040599-06
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
1,3-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
1,3-Dichloropropane	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
1,4-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
2,2-Dichloropropane	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
2-Butanone	ND		0.052	mg/Kg-dry	1	4/17/2024 08:32 PM
2-Chlorotoluene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
2-Hexanone	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
4-Chlorotoluene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
4-Methyl-2-pentanone	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Acetone	ND		0.052	mg/Kg-dry	1	4/17/2024 08:32 PM
Benzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Bromobenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Bromochloromethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Bromodichloromethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Bromoform	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Bromomethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Carbon disulfide	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Carbon tetrachloride	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Chlorobenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Chloroethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Chloroform	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Chloromethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
cis-1,2-Dichloroethene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
cis-1,3-Dichloropropene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Dibromochloromethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Dibromomethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Dichlorodifluoromethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Ethylbenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Hexachlorobutadiene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Isopropylbenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
m,p-Xylene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Methyl tert-butyl ether	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	4/17/2024 08:32 PM
Naphthalene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
n-Butylbenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
n-Propylbenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
o-Xylene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
p-Isopropyltoluene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
sec-Butylbenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.

Project: Laisy Ave; MS24-26; ODAS0003

Work Order: 24040599

Sample ID: SB-5 (2-4')

Lab ID: 24040599-06

Collection Date: 4/10/2024 04:10 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
tert-Butylbenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Tetrachloroethene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Toluene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
trans-1,2-Dichloroethene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
trans-1,3-Dichloropropene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Trichloroethene	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Trichlorofluoromethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Vinyl chloride	ND		0.0052	mg/Kg-dry	1	4/17/2024 08:32 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	4/17/2024 08:32 PM
<i>Surr: 4-Bromofluorobenzene</i>	102		60-140	%REC	1	4/17/2024 08:32 PM
<i>Surr: Dibromofluoromethane</i>	132		60-140	%REC	1	4/17/2024 08:32 PM
<i>Surr: Toluene-d8</i>	102		60-140	%REC	1	4/17/2024 08:32 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-7 (0-2')
Collection Date: 4/11/2024 09:35 AM

Work Order: 24040599
Lab ID: 24040599-07
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/17/24 15:34		Analyst: TSA
Aroclor 1016	ND		0.24	mg/Kg-dry	1	4/18/2024 12:19 AM
Aroclor 1221	ND		0.48	mg/Kg-dry	1	4/18/2024 12:19 AM
Aroclor 1232	ND		0.24	mg/Kg-dry	1	4/18/2024 12:19 AM
Aroclor 1242	ND		0.24	mg/Kg-dry	1	4/18/2024 12:19 AM
Aroclor 1248	ND		0.24	mg/Kg-dry	1	4/18/2024 12:19 AM
Aroclor 1254	ND		0.24	mg/Kg-dry	1	4/18/2024 12:19 AM
Aroclor 1260	1.9		0.24	mg/Kg-dry	1	4/18/2024 12:19 AM
Aroclor 1262	ND		0.24	mg/Kg-dry	1	4/18/2024 12:19 AM
Aroclor 1268	ND		0.24	mg/Kg-dry	1	4/18/2024 12:19 AM
Surr: Decachlorobiphenyl	122		7.32-154	%REC	1	4/18/2024 12:19 AM
Surr: Tetrachloro-m-xylene	86.0		33.5-152	%REC	1	4/18/2024 12:19 AM
MOISTURE			SM2540B			Analyst: CS
Moisture	17			% of sample	1	4/16/2024
MERCURY BY CVAA			SW7471A	Prep: EPA 7471 4/22/24 12:23		Analyst: SLT
Mercury	0.087		0.014	mg/Kg-dry	1	4/22/2024 03:21 PM
METALS BY ICP			SW6010B	Prep: SW3050B 4/18/24 11:35		Analyst: JW
Antimony	1.7		0.47	mg/Kg-dry	1	4/18/2024 02:16 PM
Arsenic	6.6		1.2	mg/Kg-dry	1	4/18/2024 02:16 PM
Barium	140		4.7	mg/Kg-dry	1	4/18/2024 02:16 PM
Beryllium	0.36		0.23	mg/Kg-dry	1	4/18/2024 02:16 PM
Cadmium	1.6		0.23	mg/Kg-dry	1	4/18/2024 02:16 PM
Chromium	33		2.3	mg/Kg-dry	1	4/18/2024 02:16 PM
Cobalt	7.3		1.2	mg/Kg-dry	1	4/18/2024 02:16 PM
Lead	180		4.7	mg/Kg-dry	1	4/18/2024 02:16 PM
Nickel	15		2.3	mg/Kg-dry	1	4/18/2024 02:16 PM
Selenium	ND		0.70	mg/Kg-dry	1	4/18/2024 02:16 PM
Silver	ND		1.2	mg/Kg-dry	1	4/18/2024 02:16 PM
Thallium	ND		1.2	mg/Kg-dry	1	4/18/2024 02:16 PM
Vanadium	590		1.2	mg/Kg-dry	1	4/18/2024 02:16 PM
Zinc	140		12	mg/Kg-dry	1	4/18/2024 02:16 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C	Prep: SW3546 4/17/24 10:42		Analyst: RA
1,2,4,5-Tetrachlorobenzene	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
1,2,4-Trichlorobenzene	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
1,2-Dichlorobenzene	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
1,3-Dichlorobenzene	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
1,3-Dinitrobenzene	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
1,4-Dichlorobenzene	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-7 (0-2')
Collection Date: 4/11/2024 09:35 AM

Work Order: 24040599
Lab ID: 24040599-07
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1-Methylnaphthalene	0.87		0.48	mg/Kg-dry	1	4/17/2024 01:27 PM
1-Naphthylamine	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
2,3,4,6-Tetrachlorophenol	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
2,4,5-Trichlorophenol	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
2,4,6-Trichlorophenol	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
2,4-Dichlorophenol	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
2,4-Dimethylphenol	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
2,4-Dinitrophenol	ND		4.0	mg/Kg-dry	1	4/17/2024 01:27 PM
2,4-Dinitrotoluene	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
2,6-Dichlorophenol	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
2,6-Dinitrotoluene	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
2-Acetylaminofluorene	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
2-Chloronaphthalene	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
2-Chlorophenol	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
2-Methylnaphthalene	0.87		0.48	mg/Kg-dry	1	4/17/2024 01:27 PM
2-Methylphenol	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
2-Naphthylamine	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
2-Nitroaniline	ND		4.0	mg/Kg-dry	1	4/17/2024 01:27 PM
2-Nitrophenol	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
2-Picoline	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
3&4-Methylphenol	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
3,3'-Dichlorobenzidine	ND		1.6	mg/Kg-dry	1	4/17/2024 01:27 PM
3-Methylcholanthrene	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
3-Nitroaniline	ND		4.0	mg/Kg-dry	1	4/17/2024 01:27 PM
4,6-Dinitro-2-methylphenol	ND		4.0	mg/Kg-dry	1	4/17/2024 01:27 PM
4-Aminobiphenyl	ND		1.6	mg/Kg-dry	1	4/17/2024 01:27 PM
4-Bromophenyl phenyl ether	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
4-Chloro-3-methylphenol	ND		1.6	mg/Kg-dry	1	4/17/2024 01:27 PM
4-Chloroaniline	ND		1.6	mg/Kg-dry	1	4/17/2024 01:27 PM
4-Chlorophenyl phenyl ether	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
4-Nitroaniline	ND		1.6	mg/Kg-dry	1	4/17/2024 01:27 PM
4-Nitrophenol	ND		4.0	mg/Kg-dry	1	4/17/2024 01:27 PM
4-Nitroquinoline 1-oxide	ND		4.0	mg/Kg-dry	1	4/17/2024 01:27 PM
5-Nitro-o-toluidine	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
7,12-Dimethylbenz(a)anthracene	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Acenaphthene	4.5		0.48	mg/Kg-dry	1	4/17/2024 01:27 PM
Acenaphthylene	0.53		0.48	mg/Kg-dry	1	4/17/2024 01:27 PM
Acetophenone	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Aniline	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Anthracene	22		9.6	mg/Kg-dry	20	4/18/2024 01:49 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-7 (0-2')
Collection Date: 4/11/2024 09:35 AM

Work Order: 24040599
Lab ID: 24040599-07
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Azobenzene	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Benzidine	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Benzo(a)anthracene	110		4.8	mg/Kg-dry	20	4/18/2024 01:49 PM
Benzo(a)pyrene	68		4.8	mg/Kg-dry	20	4/18/2024 01:49 PM
Benzo(b)fluoranthene	110		9.6	mg/Kg-dry	20	4/18/2024 01:49 PM
Benzo(g,h,i)perylene	38		9.6	mg/Kg-dry	20	4/18/2024 01:49 PM
Benzo(k)fluoranthene	39		9.6	mg/Kg-dry	20	4/18/2024 01:49 PM
Benzyl alcohol	ND		1.6	mg/Kg-dry	1	4/17/2024 01:27 PM
Bis(2-chloroethoxy)methane	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Bis(2-chloroethyl)ether	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Bis(2-chloroisopropyl)ether	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Bis(2-ethylhexyl)phthalate	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Butyl benzyl phthalate	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Carbazole	9.5		0.48	mg/Kg-dry	1	4/17/2024 01:27 PM
Chrysene	110		9.6	mg/Kg-dry	20	4/18/2024 01:49 PM
Dibenzo(a,h)anthracene	13		4.8	mg/Kg-dry	20	4/18/2024 01:49 PM
Dibenzofuran	3.7		0.48	mg/Kg-dry	1	4/17/2024 01:27 PM
Diethyl phthalate	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Dimethyl phthalate	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Di-n-butyl phthalate	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Di-n-octyl phthalate	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Dinoseb	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Diphenylamine	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Ethyl methanesulfonate	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Fluoranthene	260		24	mg/Kg-dry	50	4/19/2024 02:35 PM
Fluorene	3.5		0.48	mg/Kg-dry	1	4/17/2024 01:27 PM
Hexachlorobenzene	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Hexachlorobutadiene	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Hexachlorocyclopentadiene	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Hexachloroethane	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Indeno(1,2,3-cd)pyrene	33		4.8	mg/Kg-dry	20	4/18/2024 01:49 PM
Isophorone	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Isosafrole	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Methapyrilene	ND		4.0	mg/Kg-dry	1	4/17/2024 01:27 PM
Methyl methanesulfonate	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Naphthalene	1.1		0.48	mg/Kg-dry	1	4/17/2024 01:27 PM
Nitrobenzene	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
N-Nitrosodiethylamine	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
N-Nitrosodimethylamine	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
N-Nitroso-di-n-butylamine	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-7 (0-2')
Collection Date: 4/11/2024 09:35 AM

Work Order: 24040599
Lab ID: 24040599-07
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
N-Nitrosomethylethylamine	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
N-Nitrosomorpholine	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
N-Nitrosopiperidine	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
N-Nitrosopyrrolidine	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
o-Toluidine	ND		4.0	mg/Kg-dry	1	4/17/2024 01:27 PM
p-Dimethylaminoazobenzene	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Pentachlorobenzene	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Pentachloroethane	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Pentachloronitrobenzene	ND		1.6	mg/Kg-dry	1	4/17/2024 01:27 PM
Pentachlorophenol	ND		4.0	mg/Kg-dry	1	4/17/2024 01:27 PM
Phenacetin	ND		1.6	mg/Kg-dry	1	4/17/2024 01:27 PM
Phenanthrene	93		9.6	mg/Kg-dry	20	4/18/2024 01:49 PM
Phenol	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Pyrene	180		9.6	mg/Kg-dry	20	4/18/2024 01:49 PM
Pyridine	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
Safrole	ND		0.79	mg/Kg-dry	1	4/17/2024 01:27 PM
<i>Surr: 2,4,6-Tribromophenol</i>	53.8		14.2-136	%REC	1	4/17/2024 01:27 PM
<i>Surr: 2-Fluorobiphenyl</i>	51.9		30-116	%REC	1	4/17/2024 01:27 PM
<i>Surr: 2-Fluorophenol</i>	50.0		5.42-113	%REC	1	4/17/2024 01:27 PM
<i>Surr: 4-Terphenyl-d14</i>	53.4		27.3-138	%REC	1	4/17/2024 01:27 PM
<i>Surr: Nitrobenzene-d5</i>	52.0		23.7-109	%REC	1	4/17/2024 01:27 PM
<i>Surr: Phenol-d6</i>	51.8		13.8-108	%REC	1	4/17/2024 01:27 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B	Analyst: SK		
1,1,1,2-Tetrachloroethane	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
1,1,1-Trichloroethane	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
1,1,2,2-Tetrachloroethane	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
1,1,2-Trichloroethane	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
1,1-Dichloroethane	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
1,1-Dichloroethene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
1,1-Dichloropropene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
1,2,3-Trichlorobenzene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
1,2,3-Trichloropropane	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
1,2,4-Trichlorobenzene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
1,2,4-Trimethylbenzene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
1,2-Dibromo-3-chloropropane	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
1,2-Dibromoethane	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
1,2-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
1,2-Dichloroethane	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
1,2-Dichloropropane	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.

Project: Laisy Ave; MS24-26; ODAS0003

Sample ID: SB-7 (0-2')

Collection Date: 4/11/2024 09:35 AM

Work Order: 24040599

Lab ID: 24040599-07

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
1,3-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
1,3-Dichloropropane	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
1,4-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
2,2-Dichloropropane	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
2-Butanone	ND		0.053	mg/Kg-dry	1	4/17/2024 05:30 PM
2-Chlorotoluene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
2-Hexanone	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
4-Chlorotoluene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
4-Methyl-2-pentanone	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Acetone	ND		0.053	mg/Kg-dry	1	4/17/2024 05:30 PM
Benzene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Bromobenzene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Bromochloromethane	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Bromodichloromethane	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Bromoform	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Bromomethane	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Carbon disulfide	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Carbon tetrachloride	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Chlorobenzene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Chloroethane	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Chloroform	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Chloromethane	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
cis-1,2-Dichloroethene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
cis-1,3-Dichloropropene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Dibromochloromethane	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Dibromomethane	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Dichlorodifluoromethane	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Ethylbenzene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Hexachlorobutadiene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Isopropylbenzene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
m,p-Xylene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Methyl tert-butyl ether	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	4/17/2024 05:30 PM
Naphthalene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
n-Butylbenzene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
n-Propylbenzene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
o-Xylene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
p-Isopropyltoluene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
sec-Butylbenzene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.

Project: Laisy Ave; MS24-26; ODAS0003

Sample ID: SB-7 (0-2')

Collection Date: 4/11/2024 09:35 AM

Work Order: 24040599

Lab ID: 24040599-07

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
tert-Butylbenzene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Tetrachloroethene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Toluene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
trans-1,2-Dichloroethene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
trans-1,3-Dichloropropene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Trichloroethene	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Trichlorofluoromethane	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Vinyl chloride	ND		0.0053	mg/Kg-dry	1	4/17/2024 05:30 PM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	4/17/2024 05:30 PM
<i>Surr: 4-Bromofluorobenzene</i>	116		60-140	%REC	1	4/17/2024 05:30 PM
<i>Surr: Dibromofluoromethane</i>	97.5		60-140	%REC	1	4/17/2024 05:30 PM
<i>Surr: Toluene-d8</i>	102		60-140	%REC	1	4/17/2024 05:30 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-7 (10-12')
Collection Date: 4/11/2024 09:50 AM

Work Order: 24040599
Lab ID: 24040599-08
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/17/24 15:34		Analyst: TSA
Aroclor 1016	ND		0.13	mg/Kg-dry	1	4/18/2024 12:36 AM
Aroclor 1221	ND		0.25	mg/Kg-dry	1	4/18/2024 12:36 AM
Aroclor 1232	ND		0.13	mg/Kg-dry	1	4/18/2024 12:36 AM
Aroclor 1242	ND		0.13	mg/Kg-dry	1	4/18/2024 12:36 AM
Aroclor 1248	ND		0.13	mg/Kg-dry	1	4/18/2024 12:36 AM
Aroclor 1254	ND		0.13	mg/Kg-dry	1	4/18/2024 12:36 AM
Aroclor 1260	ND		0.13	mg/Kg-dry	1	4/18/2024 12:36 AM
Aroclor 1262	ND		0.13	mg/Kg-dry	1	4/18/2024 12:36 AM
Aroclor 1268	ND		0.13	mg/Kg-dry	1	4/18/2024 12:36 AM
Surr: Decachlorobiphenyl	99.9		7.32-154	%REC	1	4/18/2024 12:36 AM
Surr: Tetrachloro-m-xylene	98.0		33.5-152	%REC	1	4/18/2024 12:36 AM
MOISTURE			SM2540B			Analyst: CS
Moisture	21			% of sample	1	4/16/2024
MERCURY BY CVAA			SW7471A	Prep: EPA 7471 4/22/24 12:23		Analyst: SLT
Mercury	0.054		0.014	mg/Kg-dry	1	4/22/2024 03:23 PM
METALS BY ICP			SW6010B	Prep: SW3050B 4/18/24 11:35		Analyst: JW
Antimony	3.0		0.50	mg/Kg-dry	1	4/18/2024 02:17 PM
Arsenic	9.1		1.2	mg/Kg-dry	1	4/18/2024 02:17 PM
Barium	73		5.0	mg/Kg-dry	1	4/18/2024 02:17 PM
Beryllium	0.85		0.25	mg/Kg-dry	1	4/18/2024 02:17 PM
Cadmium	0.42		0.25	mg/Kg-dry	1	4/18/2024 02:17 PM
Chromium	16		2.5	mg/Kg-dry	1	4/18/2024 02:17 PM
Cobalt	6.4		1.2	mg/Kg-dry	1	4/18/2024 02:17 PM
Lead	51		5.0	mg/Kg-dry	1	4/18/2024 02:17 PM
Nickel	27		2.5	mg/Kg-dry	1	4/18/2024 02:17 PM
Selenium	ND		0.74	mg/Kg-dry	1	4/18/2024 02:17 PM
Silver	ND		1.2	mg/Kg-dry	1	4/18/2024 02:17 PM
Thallium	ND		1.2	mg/Kg-dry	1	4/18/2024 02:17 PM
Vanadium	120		1.2	mg/Kg-dry	1	4/18/2024 02:17 PM
Zinc	130		12	mg/Kg-dry	1	4/18/2024 02:17 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C	Prep: SW3546 4/17/24 10:42		Analyst: RA
1,2,4,5-Tetrachlorobenzene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
1,2,4-Trichlorobenzene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
1,2-Dichlorobenzene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
1,3-Dichlorobenzene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
1,3-Dinitrobenzene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
1,4-Dichlorobenzene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-7 (10-12')
Collection Date: 4/11/2024 09:50 AM

Work Order: 24040599
Lab ID: 24040599-08
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1-Methylnaphthalene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:41 PM
1-Naphthylamine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
2,3,4,6-Tetrachlorophenol	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
2,4,5-Trichlorophenol	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
2,4,6-Trichlorophenol	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
2,4-Dichlorophenol	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
2,4-Dimethylphenol	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
2,4-Dinitrophenol	ND		2.1	mg/Kg-dry	1	4/17/2024 01:41 PM
2,4-Dinitrotoluene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
2,6-Dichlorophenol	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
2,6-Dinitrotoluene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
2-Acetylaminofluorene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
2-Chloronaphthalene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
2-Chlorophenol	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
2-Methylnaphthalene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:41 PM
2-Methylphenol	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
2-Naphthylamine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
2-Nitroaniline	ND		2.1	mg/Kg-dry	1	4/17/2024 01:41 PM
2-Nitrophenol	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
2-Picoline	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
3&4-Methylphenol	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
3,3'-Dichlorobenzidine	ND		0.83	mg/Kg-dry	1	4/17/2024 01:41 PM
3-Methylcholanthrene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
3-Nitroaniline	ND		2.1	mg/Kg-dry	1	4/17/2024 01:41 PM
4,6-Dinitro-2-methylphenol	ND		2.1	mg/Kg-dry	1	4/17/2024 01:41 PM
4-Aminobiphenyl	ND		0.83	mg/Kg-dry	1	4/17/2024 01:41 PM
4-Bromophenyl phenyl ether	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
4-Chloro-3-methylphenol	ND		0.83	mg/Kg-dry	1	4/17/2024 01:41 PM
4-Chloroaniline	ND		0.83	mg/Kg-dry	1	4/17/2024 01:41 PM
4-Chlorophenyl phenyl ether	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
4-Nitroaniline	ND		0.83	mg/Kg-dry	1	4/17/2024 01:41 PM
4-Nitrophenol	ND		2.1	mg/Kg-dry	1	4/17/2024 01:41 PM
4-Nitroquinoline 1-oxide	ND		2.1	mg/Kg-dry	1	4/17/2024 01:41 PM
5-Nitro-o-toluidine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
7,12-Dimethylbenz(a)anthracene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Acenaphthene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:41 PM
Acenaphthylene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:41 PM
Acetophenone	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Aniline	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Anthracene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:41 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-7 (10-12')
Collection Date: 4/11/2024 09:50 AM

Work Order: 24040599
Lab ID: 24040599-08
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Azobenzene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Benzidine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Benzo(a)anthracene	0.18		0.13	mg/Kg-dry	1	4/17/2024 01:41 PM
Benzo(a)pyrene	0.17		0.13	mg/Kg-dry	1	4/17/2024 01:41 PM
Benzo(b)fluoranthene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:41 PM
Benzo(g,h,i)perylene	0.56		0.25	mg/Kg-dry	1	4/17/2024 01:41 PM
Benzo(k)fluoranthene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:41 PM
Benzyl alcohol	ND		0.83	mg/Kg-dry	1	4/17/2024 01:41 PM
Bis(2-chloroethoxy)methane	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Bis(2-chloroethyl)ether	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Bis(2-chloroisopropyl)ether	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Bis(2-ethylhexyl)phthalate	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Butyl benzyl phthalate	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Carbazole	ND		0.25	mg/Kg-dry	1	4/17/2024 01:41 PM
Chrysene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:41 PM
Dibenzo(a,h)anthracene	ND		0.13	mg/Kg-dry	1	4/17/2024 01:41 PM
Dibenzofuran	ND		0.25	mg/Kg-dry	1	4/17/2024 01:41 PM
Diethyl phthalate	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Dimethyl phthalate	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Di-n-butyl phthalate	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Di-n-octyl phthalate	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Dinoseb	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Diphenylamine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Ethyl methanesulfonate	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Fluoranthene	0.32		0.25	mg/Kg-dry	1	4/17/2024 01:41 PM
Fluorene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:41 PM
Hexachlorobenzene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Hexachlorobutadiene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Hexachlorocyclopentadiene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Hexachloroethane	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Indeno(1,2,3-cd)pyrene	ND		0.13	mg/Kg-dry	1	4/17/2024 01:41 PM
Isophorone	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Isosafrole	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Methapyrilene	ND		2.1	mg/Kg-dry	1	4/17/2024 01:41 PM
Methyl methanesulfonate	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Naphthalene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:41 PM
Nitrobenzene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
N-Nitrosodiethylamine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
N-Nitrosodimethylamine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
N-Nitroso-di-n-butylamine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-7 (10-12')
Collection Date: 4/11/2024 09:50 AM

Work Order: 24040599
Lab ID: 24040599-08
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
N-Nitrosomethylethylamine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
N-Nitrosomorpholine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
N-Nitrosopiperidine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
N-Nitrosopyrrolidine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
o-Toluidine	ND		2.1	mg/Kg-dry	1	4/17/2024 01:41 PM
p-Dimethylaminoazobenzene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Pentachlorobenzene	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Pentachloroethane	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Pentachloronitrobenzene	ND		0.83	mg/Kg-dry	1	4/17/2024 01:41 PM
Pentachlorophenol	ND		2.1	mg/Kg-dry	1	4/17/2024 01:41 PM
Phenacetin	ND		0.83	mg/Kg-dry	1	4/17/2024 01:41 PM
Phenanthrene	ND		0.25	mg/Kg-dry	1	4/17/2024 01:41 PM
Phenol	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Pyrene	0.26		0.25	mg/Kg-dry	1	4/17/2024 01:41 PM
Pyridine	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
Safrole	ND		0.41	mg/Kg-dry	1	4/17/2024 01:41 PM
<i>Surr: 2,4,6-Tribromophenol</i>	77.9		14.2-136	%REC	1	4/17/2024 01:41 PM
<i>Surr: 2-Fluorobiphenyl</i>	71.9		30-116	%REC	1	4/17/2024 01:41 PM
<i>Surr: 2-Fluorophenol</i>	75.2		5.42-113	%REC	1	4/17/2024 01:41 PM
<i>Surr: 4-Terphenyl-d14</i>	73.2		27.3-138	%REC	1	4/17/2024 01:41 PM
<i>Surr: Nitrobenzene-d5</i>	77.2		23.7-109	%REC	1	4/17/2024 01:41 PM
<i>Surr: Phenol-d6</i>	74.7		13.8-108	%REC	1	4/17/2024 01:41 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B	Analyst: SK		
1,1,1,2-Tetrachloroethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
1,1,1-Trichloroethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
1,1,2,2-Tetrachloroethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
1,1,2-Trichloroethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
1,1-Dichloroethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
1,1-Dichloroethene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
1,1-Dichloropropene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
1,2,3-Trichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
1,2,3-Trichloropropane	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
1,2,4-Trichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
1,2,4-Trimethylbenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
1,2-Dibromo-3-chloropropane	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
1,2-Dibromoethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
1,2-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
1,2-Dichloroethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
1,2-Dichloropropane	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.

Project: Laisy Ave; MS24-26; ODAS0003

Sample ID: SB-7 (10-12')

Collection Date: 4/11/2024 09:50 AM

Work Order: 24040599

Lab ID: 24040599-08

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
1,3-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
1,3-Dichloropropane	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
1,4-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
2,2-Dichloropropane	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
2-Butanone	ND		0.052	mg/Kg-dry	1	4/17/2024 05:50 PM
2-Chlorotoluene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
2-Hexanone	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
4-Chlorotoluene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
4-Methyl-2-pentanone	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Acetone	ND		0.052	mg/Kg-dry	1	4/17/2024 05:50 PM
Benzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Bromobenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Bromochloromethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Bromodichloromethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Bromoform	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Bromomethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Carbon disulfide	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Carbon tetrachloride	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Chlorobenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Chloroethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Chloroform	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Chloromethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
cis-1,2-Dichloroethene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
cis-1,3-Dichloropropene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Dibromochloromethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Dibromomethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Dichlorodifluoromethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Ethylbenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Hexachlorobutadiene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Isopropylbenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
m,p-Xylene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Methyl tert-butyl ether	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	4/17/2024 05:50 PM
Naphthalene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
n-Butylbenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
n-Propylbenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
o-Xylene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
p-Isopropyltoluene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
sec-Butylbenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.

Project: Laisy Ave; MS24-26; ODAS0003

Work Order: 24040599

Sample ID: SB-7 (10-12')

Lab ID: 24040599-08

Collection Date: 4/11/2024 09:50 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
tert-Butylbenzene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Tetrachloroethene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Toluene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
trans-1,2-Dichloroethene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
trans-1,3-Dichloropropene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Trichloroethene	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Trichlorofluoromethane	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Vinyl chloride	ND		0.0052	mg/Kg-dry	1	4/17/2024 05:50 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	4/17/2024 05:50 PM
<i>Surr: 4-Bromofluorobenzene</i>	114		60-140	%REC	1	4/17/2024 05:50 PM
<i>Surr: Dibromofluoromethane</i>	105		60-140	%REC	1	4/17/2024 05:50 PM
<i>Surr: Toluene-d8</i>	103		60-140	%REC	1	4/17/2024 05:50 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-8 (5-7')
Collection Date: 4/11/2024 10:25 AM

Work Order: 24040599
Lab ID: 24040599-09
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/17/24 15:34		Analyst: TSA
Aroclor 1016	ND		0.13	mg/Kg-dry	1	4/18/2024
Aroclor 1221	ND		0.27	mg/Kg-dry	1	4/18/2024
Aroclor 1232	ND		0.13	mg/Kg-dry	1	4/18/2024
Aroclor 1242	ND		0.13	mg/Kg-dry	1	4/18/2024
Aroclor 1248	ND		0.13	mg/Kg-dry	1	4/18/2024
Aroclor 1254	ND		0.13	mg/Kg-dry	1	4/18/2024
Aroclor 1260	0.79		0.13	mg/Kg-dry	1	4/18/2024
Aroclor 1262	ND		0.13	mg/Kg-dry	1	4/18/2024
Aroclor 1268	ND		0.13	mg/Kg-dry	1	4/18/2024
Surr: Decachlorobiphenyl	110		7.32-154	%REC	1	4/18/2024
Surr: Tetrachloro-m-xylene	74.0		33.5-152	%REC	1	4/18/2024
MOISTURE			SM2540B			Analyst: CS
Moisture	26			% of sample	1	4/16/2024
MERCURY BY CVA			SW7471A	Prep: EPA 7471 4/22/24 12:23		Analyst: SLT
Mercury	0.34		0.078	mg/Kg-dry	5	4/22/2024 04:08 PM
METALS BY ICP			SW6010B	Prep: SW3050B 4/18/24 11:35		Analyst: JW
Antimony	5.3		0.52	mg/Kg-dry	1	4/18/2024 02:19 PM
Arsenic	9.8		1.3	mg/Kg-dry	1	4/18/2024 02:19 PM
Barium	240		5.2	mg/Kg-dry	1	4/18/2024 02:19 PM
Beryllium	0.55		0.26	mg/Kg-dry	1	4/18/2024 02:19 PM
Cadmium	4.1		0.26	mg/Kg-dry	1	4/18/2024 02:19 PM
Chromium	54		2.6	mg/Kg-dry	1	4/18/2024 02:19 PM
Cobalt	ND		1.3	mg/Kg-dry	1	4/18/2024 02:19 PM
Lead	520		5.2	mg/Kg-dry	1	4/18/2024 02:19 PM
Nickel	19		2.6	mg/Kg-dry	1	4/18/2024 02:19 PM
Selenium	ND		0.78	mg/Kg-dry	1	4/18/2024 02:19 PM
Silver	ND		1.3	mg/Kg-dry	1	4/18/2024 02:19 PM
Thallium	ND		1.3	mg/Kg-dry	1	4/18/2024 02:19 PM
Vanadium	310		1.3	mg/Kg-dry	1	4/18/2024 02:19 PM
Zinc	12,000		1,300	mg/Kg-dry	100	4/18/2024 02:58 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C	Prep: SW3546 4/18/24 16:19		Analyst: RA
1,2,4,5-Tetrachlorobenzene	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
1,2,4-Trichlorobenzene	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
1,2-Dichlorobenzene	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
1,3-Dichlorobenzene	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
1,3-Dinitrobenzene	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
1,4-Dichlorobenzene	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-8 (5-7')
Collection Date: 4/11/2024 10:25 AM

Work Order: 24040599
Lab ID: 24040599-09
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1-Methylnaphthalene	0.59		0.54	mg/Kg-dry	1	4/19/2024 06:15 PM
1-Naphthylamine	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
2,3,4,6-Tetrachlorophenol	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
2,4,5-Trichlorophenol	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
2,4,6-Trichlorophenol	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
2,4-Dichlorophenol	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
2,4-Dimethylphenol	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
2,4-Dinitrophenol	ND		4.4	mg/Kg-dry	1	4/19/2024 06:15 PM
2,4-Dinitrotoluene	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
2,6-Dichlorophenol	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
2,6-Dinitrotoluene	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
2-Acetylaminofluorene	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
2-Chloronaphthalene	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
2-Chlorophenol	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
2-Methylnaphthalene	0.57		0.54	mg/Kg-dry	1	4/19/2024 06:15 PM
2-Methylphenol	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
2-Naphthylamine	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
2-Nitroaniline	ND		4.4	mg/Kg-dry	1	4/19/2024 06:15 PM
2-Nitrophenol	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
2-Picoline	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
3&4-Methylphenol	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
3,3'-Dichlorobenzidine	ND		1.8	mg/Kg-dry	1	4/19/2024 06:15 PM
3-Methylcholanthrene	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
3-Nitroaniline	ND		4.4	mg/Kg-dry	1	4/19/2024 06:15 PM
4,6-Dinitro-2-methylphenol	ND		4.4	mg/Kg-dry	1	4/19/2024 06:15 PM
4-Aminobiphenyl	ND		1.8	mg/Kg-dry	1	4/19/2024 06:15 PM
4-Bromophenyl phenyl ether	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
4-Chloro-3-methylphenol	ND		1.8	mg/Kg-dry	1	4/19/2024 06:15 PM
4-Chloroaniline	ND		1.8	mg/Kg-dry	1	4/19/2024 06:15 PM
4-Chlorophenyl phenyl ether	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
4-Nitroaniline	ND		1.8	mg/Kg-dry	1	4/19/2024 06:15 PM
4-Nitrophenol	ND		4.4	mg/Kg-dry	1	4/19/2024 06:15 PM
4-Nitroquinoline 1-oxide	ND		4.4	mg/Kg-dry	1	4/19/2024 06:15 PM
5-Nitro-o-toluidine	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
7,12-Dimethylbenz(a)anthracene	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Acenaphthene	2.6		0.54	mg/Kg-dry	1	4/19/2024 06:15 PM
Acenaphthylene	4.1		0.54	mg/Kg-dry	1	4/19/2024 06:15 PM
Acetophenone	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Aniline	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Anthracene	11		5.4	mg/Kg-dry	10	4/24/2024 02:38 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-8 (5-7')
Collection Date: 4/11/2024 10:25 AM

Work Order: 24040599
Lab ID: 24040599-09
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Azobenzene	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Benzidine	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Benzo(a)anthracene	39		2.7	mg/Kg-dry	10	4/24/2024 02:38 PM
Benzo(a)pyrene	40		2.7	mg/Kg-dry	10	4/24/2024 02:38 PM
Benzo(b)fluoranthene	50		5.4	mg/Kg-dry	10	4/24/2024 02:38 PM
Benzo(g,h,i)perylene	24		5.4	mg/Kg-dry	10	4/24/2024 02:38 PM
Benzo(k)fluoranthene	18		5.4	mg/Kg-dry	10	4/24/2024 02:38 PM
Benzyl alcohol	ND		1.8	mg/Kg-dry	1	4/19/2024 06:15 PM
Bis(2-chloroethoxy)methane	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Bis(2-chloroethyl)ether	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Bis(2-chloroisopropyl)ether	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Bis(2-ethylhexyl)phthalate	6.6		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Butyl benzyl phthalate	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Carbazole	8.5		0.54	mg/Kg-dry	1	4/19/2024 06:15 PM
Chrysene	36		5.4	mg/Kg-dry	10	4/24/2024 02:38 PM
Dibenzo(a,h)anthracene	4.2		0.27	mg/Kg-dry	1	4/19/2024 06:15 PM
Dibenzofuran	2.1		0.54	mg/Kg-dry	1	4/19/2024 06:15 PM
Diethyl phthalate	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Dimethyl phthalate	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Di-n-butyl phthalate	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Di-n-octyl phthalate	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Dinoseb	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Diphenylamine	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Ethyl methanesulfonate	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Fluoranthene	92		5.4	mg/Kg-dry	10	4/24/2024 02:38 PM
Fluorene	2.7		0.54	mg/Kg-dry	1	4/19/2024 06:15 PM
Hexachlorobenzene	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Hexachlorobutadiene	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Hexachlorocyclopentadiene	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Hexachloroethane	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Indeno(1,2,3-cd)pyrene	22		2.7	mg/Kg-dry	10	4/24/2024 02:38 PM
Isophorone	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Isosafrole	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Methapyrilene	ND		4.4	mg/Kg-dry	1	4/19/2024 06:15 PM
Methyl methanesulfonate	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Naphthalene	0.96		0.54	mg/Kg-dry	1	4/19/2024 06:15 PM
Nitrobenzene	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
N-Nitrosodiethylamine	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
N-Nitrosodimethylamine	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
N-Nitroso-di-n-butylamine	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-8 (5-7')
Collection Date: 4/11/2024 10:25 AM

Work Order: 24040599
Lab ID: 24040599-09
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
N-Nitrosomethylethylamine	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
N-Nitrosomorpholine	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
N-Nitrosopiperidine	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
N-Nitrosopyrrolidine	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
o-Toluidine	ND		4.4	mg/Kg-dry	1	4/19/2024 06:15 PM
p-Dimethylaminoazobenzene	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Pentachlorobenzene	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Pentachloroethane	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Pentachloronitrobenzene	ND		1.8	mg/Kg-dry	1	4/19/2024 06:15 PM
Pentachlorophenol	ND		4.4	mg/Kg-dry	1	4/19/2024 06:15 PM
Phenacetin	ND		1.8	mg/Kg-dry	1	4/19/2024 06:15 PM
Phenanthrene	58		5.4	mg/Kg-dry	10	4/24/2024 02:38 PM
Phenol	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Pyrene	70		5.4	mg/Kg-dry	10	4/24/2024 02:38 PM
Pyridine	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
Safrole	ND		0.88	mg/Kg-dry	1	4/19/2024 06:15 PM
<i>Surr: 2,4,6-Tribromophenol</i>	40.3		14.2-136	%REC	1	4/19/2024 06:15 PM
<i>Surr: 2-Fluorobiphenyl</i>	37.6		30-116	%REC	1	4/19/2024 06:15 PM
<i>Surr: 2-Fluorophenol</i>	33.1		5.42-113	%REC	1	4/19/2024 06:15 PM
<i>Surr: 4-Terphenyl-d14</i>	41.0		27.3-138	%REC	1	4/19/2024 06:15 PM
<i>Surr: Nitrobenzene-d5</i>	34.2		23.7-109	%REC	1	4/19/2024 06:15 PM
<i>Surr: Phenol-d6</i>	35.4		13.8-108	%REC	1	4/19/2024 06:15 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B	Analyst: SK		
1,1,1,2-Tetrachloroethane	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
1,1,1-Trichloroethane	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
1,1,2,2-Tetrachloroethane	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
1,1,2-Trichloroethane	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
1,1-Dichloroethane	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
1,1-Dichloroethene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
1,1-Dichloropropene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
1,2,3-Trichlorobenzene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
1,2,3-Trichloropropane	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
1,2,4-Trichlorobenzene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
1,2,4-Trimethylbenzene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
1,2-Dibromo-3-chloropropane	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
1,2-Dibromoethane	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
1,2-Dichlorobenzene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
1,2-Dichloroethane	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
1,2-Dichloropropane	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.

Project: Laisy Ave; MS24-26; ODAS0003

Work Order: 24040599

Sample ID: SB-8 (5-7')

Lab ID: 24040599-09

Collection Date: 4/11/2024 10:25 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
1,3-Dichlorobenzene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
1,3-Dichloropropane	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
1,4-Dichlorobenzene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
2,2-Dichloropropane	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
2-Butanone	ND		0.071	mg/Kg-dry	1	4/17/2024 06:11 PM
2-Chlorotoluene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
2-Hexanone	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
4-Chlorotoluene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
4-Methyl-2-pentanone	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Acetone	ND		0.071	mg/Kg-dry	1	4/17/2024 06:11 PM
Benzene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Bromobenzene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Bromochloromethane	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Bromodichloromethane	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Bromoform	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Bromomethane	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Carbon disulfide	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Carbon tetrachloride	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Chlorobenzene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Chloroethane	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Chloroform	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Chloromethane	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
cis-1,2-Dichloroethene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
cis-1,3-Dichloropropene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Dibromochloromethane	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Dibromomethane	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Dichlorodifluoromethane	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Ethylbenzene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Hexachlorobutadiene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Isopropylbenzene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
m,p-Xylene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Methyl tert-butyl ether	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Methylene chloride	ND		0.029	mg/Kg-dry	1	4/17/2024 06:11 PM
Naphthalene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
n-Butylbenzene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
n-Propylbenzene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
o-Xylene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
p-Isopropyltoluene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
sec-Butylbenzene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-8 (5-7')
Collection Date: 4/11/2024 10:25 AM

Work Order: 24040599
Lab ID: 24040599-09
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
tert-Butylbenzene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Tetrachloroethene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Toluene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
trans-1,2-Dichloroethene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
trans-1,3-Dichloropropene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Trichloroethene	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Trichlorofluoromethane	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Vinyl chloride	ND		0.0071	mg/Kg-dry	1	4/17/2024 06:11 PM
Xylenes, Total	ND		0.014	mg/Kg-dry	1	4/17/2024 06:11 PM
<i>Surr: 4-Bromofluorobenzene</i>	132		60-140	%REC	1	4/17/2024 06:11 PM
<i>Surr: Dibromofluoromethane</i>	95.3		60-140	%REC	1	4/17/2024 06:11 PM
<i>Surr: Toluene-d8</i>	97.7		60-140	%REC	1	4/17/2024 06:11 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-8 (10-12')
Collection Date: 4/11/2024 10:40 AM

Work Order: 24040599
Lab ID: 24040599-10
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/17/24 15:34		Analyst: TSA
Aroclor 1016	ND		0.16	mg/Kg-dry	1	4/18/2024 01:08 AM
Aroclor 1221	ND		0.31	mg/Kg-dry	1	4/18/2024 01:08 AM
Aroclor 1232	ND		0.16	mg/Kg-dry	1	4/18/2024 01:08 AM
Aroclor 1242	ND		0.16	mg/Kg-dry	1	4/18/2024 01:08 AM
Aroclor 1248	ND		0.16	mg/Kg-dry	1	4/18/2024 01:08 AM
Aroclor 1254	ND		0.16	mg/Kg-dry	1	4/18/2024 01:08 AM
Aroclor 1260	ND		0.16	mg/Kg-dry	1	4/18/2024 01:08 AM
Aroclor 1262	ND		0.16	mg/Kg-dry	1	4/18/2024 01:08 AM
Aroclor 1268	ND		0.16	mg/Kg-dry	1	4/18/2024 01:08 AM
Surr: Decachlorobiphenyl	99.9		7.32-154	%REC	1	4/18/2024 01:08 AM
Surr: Tetrachloro-m-xylene	84.0		33.5-152	%REC	1	4/18/2024 01:08 AM
MOISTURE			SM2540B			Analyst: CS
Moisture	36			% of sample	1	4/16/2024
MERCURY BY CVA			SW7471A	Prep: EPA 7471 4/22/24 12:23		Analyst: SLT
Mercury	0.026		0.018	mg/Kg-dry	1	4/22/2024 03:31 PM
METALS BY ICP			SW6010B	Prep: SW3050B 4/19/24 12:03		Analyst: JW
Antimony	1.3		0.62	mg/Kg-dry	1	4/19/2024 02:05 PM
Arsenic	3.7		1.6	mg/Kg-dry	1	4/19/2024 02:05 PM
Barium	290		6.2	mg/Kg-dry	1	4/19/2024 02:05 PM
Beryllium	2.1		0.31	mg/Kg-dry	1	4/19/2024 02:05 PM
Cadmium	0.80		0.31	mg/Kg-dry	1	4/19/2024 02:05 PM
Chromium	9.4		3.1	mg/Kg-dry	1	4/19/2024 02:05 PM
Cobalt	ND		1.6	mg/Kg-dry	1	4/19/2024 02:05 PM
Lead	110		6.2	mg/Kg-dry	1	4/19/2024 02:05 PM
Nickel	7.5		3.1	mg/Kg-dry	1	4/19/2024 02:05 PM
Selenium	1.2		0.93	mg/Kg-dry	1	4/19/2024 02:05 PM
Silver	ND		1.6	mg/Kg-dry	1	4/19/2024 02:05 PM
Thallium	ND		1.6	mg/Kg-dry	1	4/19/2024 02:05 PM
Vanadium	670		1.6	mg/Kg-dry	1	4/19/2024 02:05 PM
Zinc	510		16	mg/Kg-dry	1	4/19/2024 02:05 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C	Prep: SW3546 4/17/24 10:42		Analyst: RA
1,2,4,5-Tetrachlorobenzene	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
1,2,4-Trichlorobenzene	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
1,2-Dichlorobenzene	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
1,3-Dichlorobenzene	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
1,3-Dinitrobenzene	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
1,4-Dichlorobenzene	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-8 (10-12')
Collection Date: 4/11/2024 10:40 AM

Work Order: 24040599
Lab ID: 24040599-10
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1-Methylnaphthalene	1.0		0.31	mg/Kg-dry	1	4/17/2024 01:55 PM
1-Naphthylamine	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
2,3,4,6-Tetrachlorophenol	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
2,4,5-Trichlorophenol	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
2,4,6-Trichlorophenol	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
2,4-Dichlorophenol	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
2,4-Dimethylphenol	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
2,4-Dinitrophenol	ND		2.6	mg/Kg-dry	1	4/17/2024 01:55 PM
2,4-Dinitrotoluene	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
2,6-Dichlorophenol	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
2,6-Dinitrotoluene	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
2-Acetylaminofluorene	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
2-Chloronaphthalene	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
2-Chlorophenol	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
2-Methylnaphthalene	1.3		0.31	mg/Kg-dry	1	4/17/2024 01:55 PM
2-Methylphenol	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
2-Naphthylamine	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
2-Nitroaniline	ND		2.6	mg/Kg-dry	1	4/17/2024 01:55 PM
2-Nitrophenol	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
2-Picoline	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
3&4-Methylphenol	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
3,3'-Dichlorobenzidine	ND		1.0	mg/Kg-dry	1	4/17/2024 01:55 PM
3-Methylcholanthrene	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
3-Nitroaniline	ND		2.6	mg/Kg-dry	1	4/17/2024 01:55 PM
4,6-Dinitro-2-methylphenol	ND		2.6	mg/Kg-dry	1	4/17/2024 01:55 PM
4-Aminobiphenyl	ND		1.0	mg/Kg-dry	1	4/17/2024 01:55 PM
4-Bromophenyl phenyl ether	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
4-Chloro-3-methylphenol	ND		1.0	mg/Kg-dry	1	4/17/2024 01:55 PM
4-Chloroaniline	ND		1.0	mg/Kg-dry	1	4/17/2024 01:55 PM
4-Chlorophenyl phenyl ether	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
4-Nitroaniline	ND		1.0	mg/Kg-dry	1	4/17/2024 01:55 PM
4-Nitrophenol	ND		2.6	mg/Kg-dry	1	4/17/2024 01:55 PM
4-Nitroquinoline 1-oxide	ND		2.6	mg/Kg-dry	1	4/17/2024 01:55 PM
5-Nitro-o-toluidine	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
7,12-Dimethylbenz(a)anthracene	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Acenaphthene	2.5		0.31	mg/Kg-dry	1	4/17/2024 01:55 PM
Acenaphthylene	0.38		0.31	mg/Kg-dry	1	4/17/2024 01:55 PM
Acetophenone	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Aniline	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Anthracene	9.9		3.1	mg/Kg-dry	10	4/18/2024 02:03 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-8 (10-12')
Collection Date: 4/11/2024 10:40 AM

Work Order: 24040599
Lab ID: 24040599-10
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Azobenzene	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Benzidine	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Benzo(a)anthracene	16		1.6	mg/Kg-dry	10	4/18/2024 02:03 PM
Benzo(a)pyrene	13		1.6	mg/Kg-dry	10	4/18/2024 02:03 PM
Benzo(b)fluoranthene	16		3.1	mg/Kg-dry	10	4/18/2024 02:03 PM
Benzo(g,h,i)perylene	4.9		0.31	mg/Kg-dry	1	4/17/2024 01:55 PM
Benzo(k)fluoranthene	6.1		3.1	mg/Kg-dry	10	4/18/2024 02:03 PM
Benzyl alcohol	ND		1.0	mg/Kg-dry	1	4/17/2024 01:55 PM
Bis(2-chloroethoxy)methane	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Bis(2-chloroethyl)ether	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Bis(2-chloroisopropyl)ether	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Bis(2-ethylhexyl)phthalate	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Butyl benzyl phthalate	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Carbazole	2.5		0.31	mg/Kg-dry	1	4/17/2024 01:55 PM
Chrysene	14		3.1	mg/Kg-dry	10	4/18/2024 02:03 PM
Dibenzo(a,h)anthracene	1.4		0.16	mg/Kg-dry	1	4/17/2024 01:55 PM
Dibenzofuran	2.3		0.31	mg/Kg-dry	1	4/17/2024 01:55 PM
Diethyl phthalate	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Dimethyl phthalate	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Di-n-butyl phthalate	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Di-n-octyl phthalate	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Dinoseb	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Diphenylamine	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Ethyl methanesulfonate	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Fluoranthene	37		3.1	mg/Kg-dry	10	4/18/2024 02:03 PM
Fluorene	4.5		0.31	mg/Kg-dry	1	4/17/2024 01:55 PM
Hexachlorobenzene	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Hexachlorobutadiene	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Hexachlorocyclopentadiene	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Hexachloroethane	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Indeno(1,2,3-cd)pyrene	4.3		0.16	mg/Kg-dry	1	4/17/2024 01:55 PM
Isophorone	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Isosafrole	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Methapyrilene	ND		2.6	mg/Kg-dry	1	4/17/2024 01:55 PM
Methyl methanesulfonate	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Naphthalene	1.7		0.31	mg/Kg-dry	1	4/17/2024 01:55 PM
Nitrobenzene	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
N-Nitrosodiethylamine	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
N-Nitrosodimethylamine	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
N-Nitroso-di-n-butylamine	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-8 (10-12')
Collection Date: 4/11/2024 10:40 AM

Work Order: 24040599
Lab ID: 24040599-10
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
N-Nitrosomethylethylamine	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
N-Nitrosomorpholine	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
N-Nitrosopiperidine	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
N-Nitrosopyrrolidine	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
o-Toluidine	ND		2.6	mg/Kg-dry	1	4/17/2024 01:55 PM
p-Dimethylaminoazobenzene	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Pentachlorobenzene	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Pentachloroethane	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Pentachloronitrobenzene	ND		1.0	mg/Kg-dry	1	4/17/2024 01:55 PM
Pentachlorophenol	ND		2.6	mg/Kg-dry	1	4/17/2024 01:55 PM
Phenacetin	ND		1.0	mg/Kg-dry	1	4/17/2024 01:55 PM
Phenanthrene	29		3.1	mg/Kg-dry	10	4/18/2024 02:03 PM
Phenol	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Pyrene	27		3.1	mg/Kg-dry	10	4/18/2024 02:03 PM
Pyridine	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
Safrole	ND		0.51	mg/Kg-dry	1	4/17/2024 01:55 PM
<i>Surr: 2,4,6-Tribromophenol</i>	71.9		14.2-136	%REC	1	4/17/2024 01:55 PM
<i>Surr: 2-Fluorobiphenyl</i>	66.1		30-116	%REC	1	4/17/2024 01:55 PM
<i>Surr: 2-Fluorophenol</i>	61.0		5.42-113	%REC	1	4/17/2024 01:55 PM
<i>Surr: 4-Terphenyl-d14</i>	68.0		27.3-138	%REC	1	4/17/2024 01:55 PM
<i>Surr: Nitrobenzene-d5</i>	65.1		23.7-109	%REC	1	4/17/2024 01:55 PM
<i>Surr: Phenol-d6</i>	62.9		13.8-108	%REC	1	4/17/2024 01:55 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B	Analyst: SK		
1,1,1,2-Tetrachloroethane	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
1,1,1-Trichloroethane	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
1,1,2,2-Tetrachloroethane	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
1,1,2-Trichloroethane	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
1,1-Dichloroethane	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
1,1-Dichloroethene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
1,1-Dichloropropene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
1,2,3-Trichlorobenzene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
1,2,3-Trichloropropane	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
1,2,4-Trichlorobenzene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
1,2,4-Trimethylbenzene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
1,2-Dibromo-3-chloropropane	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
1,2-Dibromoethane	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
1,2-Dichlorobenzene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
1,2-Dichloroethane	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
1,2-Dichloropropane	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.

Project: Laisy Ave; MS24-26; ODAS0003

Work Order: 24040599

Sample ID: SB-8 (10-12')

Lab ID: 24040599-10

Collection Date: 4/11/2024 10:40 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
1,3-Dichlorobenzene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
1,3-Dichloropropane	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
1,4-Dichlorobenzene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
2,2-Dichloropropane	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
2-Butanone	ND		0.076	mg/Kg-dry	1	4/17/2024 06:31 PM
2-Chlorotoluene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
2-Hexanone	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
4-Chlorotoluene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
4-Methyl-2-pentanone	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Acetone	ND		0.076	mg/Kg-dry	1	4/17/2024 06:31 PM
Benzene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Bromobenzene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Bromochloromethane	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Bromodichloromethane	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Bromoform	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Bromomethane	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Carbon disulfide	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Carbon tetrachloride	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Chlorobenzene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Chloroethane	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Chloroform	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Chloromethane	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
cis-1,2-Dichloroethene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
cis-1,3-Dichloropropene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Dibromochloromethane	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Dibromomethane	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Dichlorodifluoromethane	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Ethylbenzene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Hexachlorobutadiene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Isopropylbenzene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
m,p-Xylene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Methyl tert-butyl ether	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Methylene chloride	ND		0.030	mg/Kg-dry	1	4/17/2024 06:31 PM
Naphthalene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
n-Butylbenzene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
n-Propylbenzene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
o-Xylene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
p-Isopropyltoluene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
sec-Butylbenzene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.

Project: Laisy Ave; MS24-26; ODAS0003

Sample ID: SB-8 (10-12')

Collection Date: 4/11/2024 10:40 AM

Work Order: 24040599

Lab ID: 24040599-10

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
tert-Butylbenzene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Tetrachloroethene	0.030		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Toluene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
trans-1,2-Dichloroethene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
trans-1,3-Dichloropropene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Trichloroethene	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Trichlorofluoromethane	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Vinyl chloride	ND		0.0076	mg/Kg-dry	1	4/17/2024 06:31 PM
Xylenes, Total	ND		0.015	mg/Kg-dry	1	4/17/2024 06:31 PM
<i>Surr: 4-Bromofluorobenzene</i>	133		60-140	%REC	1	4/17/2024 06:31 PM
<i>Surr: Dibromofluoromethane</i>	94.2		60-140	%REC	1	4/17/2024 06:31 PM
<i>Surr: Toluene-d8</i>	93.9		60-140	%REC	1	4/17/2024 06:31 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-10 (2-4')
Collection Date: 4/11/2024 11:50 AM

Work Order: 24040599
Lab ID: 24040599-11
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS AND OIL RANGE ORGANICS			SW8015B	Prep: SW3546 4/17/24 14:21		Analyst: TME
TPH C10-C20	61		19	mg/Kg-dry	1	4/18/2024 01:43 PM
TPH C20-C34	440		19	mg/Kg-dry	1	4/18/2024 01:43 PM
Surr: Nonane	48.6		13.1-113	%REC	1	4/18/2024 01:43 PM
Surr: Pentacosane	41.1		30.6-143	%REC	1	4/18/2024 01:43 PM
GASOLINE RANGE ORGANICS (C6-C12)			SW8015A			Analyst: LAK
TPH C6-C12	ND		2.9	mg/Kg-dry	1	4/15/2024 06:04 PM
Surr: Cyclooctane	80.2		65.2-156	%REC	1	4/15/2024 06:04 PM
MOISTURE			SM2540B			Analyst: CS
Moisture	30			% of sample	1	4/16/2024
PAH COMPOUNDS			SW8270C	Prep: SW3546 4/18/24 17:07		Analyst: RA
1-Methylnaphthalene	ND		0.29	mg/Kg-dry	1	4/19/2024 11:49 AM
2-Methylnaphthalene	ND		0.29	mg/Kg-dry	1	4/19/2024 11:49 AM
Acenaphthene	ND		0.29	mg/Kg-dry	1	4/19/2024 11:49 AM
Acenaphthylene	ND		0.29	mg/Kg-dry	1	4/19/2024 11:49 AM
Anthracene	ND		0.29	mg/Kg-dry	1	4/19/2024 11:49 AM
Benzo(a)anthracene	ND		0.14	mg/Kg-dry	1	4/19/2024 11:49 AM
Benzo(a)pyrene	ND		0.14	mg/Kg-dry	1	4/19/2024 11:49 AM
Benzo(b)fluoranthene	ND		0.29	mg/Kg-dry	1	4/19/2024 11:49 AM
Benzo(g,h,i)perylene	ND		0.29	mg/Kg-dry	1	4/19/2024 11:49 AM
Benzo(k)fluoranthene	ND		0.29	mg/Kg-dry	1	4/19/2024 11:49 AM
Carbazole	ND		0.29	mg/Kg-dry	1	4/19/2024 11:49 AM
Chrysene	ND		0.29	mg/Kg-dry	1	4/19/2024 11:49 AM
Dibenzo(a,h)anthracene	ND		0.14	mg/Kg-dry	1	4/19/2024 11:49 AM
Dibenzofuran	ND		0.29	mg/Kg-dry	1	4/19/2024 11:49 AM
Fluoranthene	ND		0.29	mg/Kg-dry	1	4/19/2024 11:49 AM
Fluorene	ND		0.29	mg/Kg-dry	1	4/19/2024 11:49 AM
Indeno(1,2,3-cd)pyrene	ND		0.14	mg/Kg-dry	1	4/19/2024 11:49 AM
Naphthalene	ND		0.29	mg/Kg-dry	1	4/19/2024 11:49 AM
Phenanthrene	ND		0.29	mg/Kg-dry	1	4/19/2024 11:49 AM
Pyrene	ND		0.29	mg/Kg-dry	1	4/19/2024 11:49 AM
Surr: 2-Fluorobiphenyl	80.0		30-116	%REC	1	4/19/2024 11:49 AM
VOLATILE ORGANIC COMPOUNDS			SW8260B			Analyst: SK
1,1,1,2-Tetrachloroethane	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
1,1,1-Trichloroethane	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
1,1,2,2-Tetrachloroethane	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
1,1,2-Trichloroethane	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
1,1-Dichloroethane	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.

Project: Laisy Ave; MS24-26; ODAS0003

Work Order: 24040599

Sample ID: SB-10 (2-4')

Lab ID: 24040599-11

Collection Date: 4/11/2024 11:50 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,1-Dichloroethene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
1,1-Dichloropropene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
1,2,3-Trichlorobenzene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
1,2,3-Trichloropropane	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
1,2,4-Trichlorobenzene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
1,2,4-Trimethylbenzene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
1,2-Dibromo-3-chloropropane	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
1,2-Dibromoethane	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
1,2-Dichlorobenzene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
1,2-Dichloroethane	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
1,2-Dichloropropane	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
1,3,5-Trimethylbenzene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
1,3-Dichlorobenzene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
1,3-Dichloropropane	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
1,4-Dichlorobenzene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
2,2-Dichloropropane	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
2-Butanone	ND		0.057	mg/Kg-dry	1	4/17/2024 06:51 PM
2-Chlorotoluene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
2-Hexanone	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
4-Chlorotoluene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
4-Methyl-2-pentanone	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Acetone	ND		0.057	mg/Kg-dry	1	4/17/2024 06:51 PM
Benzene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Bromobenzene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Bromochloromethane	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Bromodichloromethane	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Bromoform	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Bromomethane	0.0080		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Carbon disulfide	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Carbon tetrachloride	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Chlorobenzene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Chloroethane	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Chloroform	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Chloromethane	0.10		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
cis-1,2-Dichloroethene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
cis-1,3-Dichloropropene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Dibromochloromethane	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Dibromomethane	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Dichlorodifluoromethane	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Ethylbenzene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-10 (2-4')
Collection Date: 4/11/2024 11:50 AM

Work Order: 24040599
Lab ID: 24040599-11
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Isopropylbenzene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
m,p-Xylene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Methyl tert-butyl ether	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Methylene chloride	ND		0.023	mg/Kg-dry	1	4/17/2024 06:51 PM
Naphthalene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
n-Butylbenzene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
n-Propylbenzene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
o-Xylene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
p-Isopropyltoluene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
sec-Butylbenzene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Styrene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
tert-Butylbenzene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Tetrachloroethene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Toluene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
trans-1,2-Dichloroethene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
trans-1,3-Dichloropropene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Trichloroethene	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Trichlorofluoromethane	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Vinyl chloride	ND		0.0057	mg/Kg-dry	1	4/17/2024 06:51 PM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	4/17/2024 06:51 PM
<i>Surr: 4-Bromofluorobenzene</i>	134		60-140	%REC	1	4/17/2024 06:51 PM
<i>Surr: Dibromofluoromethane</i>	96.4		60-140	%REC	1	4/17/2024 06:51 PM
<i>Surr: Toluene-d8</i>	100		60-140	%REC	1	4/17/2024 06:51 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-9 (0-2')
Collection Date: 4/11/2024 12:05 PM

Work Order: 24040599
Lab ID: 24040599-12
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS AND OIL RANGE ORGANICS			SW8015B	Prep: SW3546 4/17/24 14:21		Analyst: TME
TPH C10-C20	ND		17	mg/Kg-dry	1	4/18/2024 02:01 PM
TPH C20-C34	170		17	mg/Kg-dry	1	4/18/2024 02:01 PM
<i>Surr: Nonane</i>	54.4		13.1-113	%REC	1	4/18/2024 02:01 PM
<i>Surr: Pentacosane</i>	45.1		30.6-143	%REC	1	4/18/2024 02:01 PM
GASOLINE RANGE ORGANICS (C6-C12)			SW8015A			Analyst: LAK
TPH C6-C12	ND		2.6	mg/Kg-dry	1	4/15/2024 06:31 PM
<i>Surr: Cyclooctane</i>	79.8		65.2-156	%REC	1	4/15/2024 06:31 PM
MOISTURE			SM2540B			Analyst: CS
Moisture	22			% of sample	1	4/16/2024
PAH COMPOUNDS			SW8270C	Prep: SW3546 4/18/24 17:07		Analyst: RA
1-Methylnaphthalene	ND		0.26	mg/Kg-dry	1	4/19/2024 12:08 PM
2-Methylnaphthalene	ND		0.26	mg/Kg-dry	1	4/19/2024 12:08 PM
Acenaphthene	ND		0.26	mg/Kg-dry	1	4/19/2024 12:08 PM
Acenaphthylene	ND		0.26	mg/Kg-dry	1	4/19/2024 12:08 PM
Anthracene	ND		0.26	mg/Kg-dry	1	4/19/2024 12:08 PM
Benzo(a)anthracene	ND		0.13	mg/Kg-dry	1	4/19/2024 12:08 PM
Benzo(a)pyrene	ND		0.13	mg/Kg-dry	1	4/19/2024 12:08 PM
Benzo(b)fluoranthene	ND		0.26	mg/Kg-dry	1	4/19/2024 12:08 PM
Benzo(g,h,i)perylene	ND		0.26	mg/Kg-dry	1	4/19/2024 12:08 PM
Benzo(k)fluoranthene	ND		0.26	mg/Kg-dry	1	4/19/2024 12:08 PM
Carbazole	ND		0.26	mg/Kg-dry	1	4/19/2024 12:08 PM
Chrysene	ND		0.26	mg/Kg-dry	1	4/19/2024 12:08 PM
Dibenzo(a,h)anthracene	ND		0.13	mg/Kg-dry	1	4/19/2024 12:08 PM
Dibenzofuran	ND		0.26	mg/Kg-dry	1	4/19/2024 12:08 PM
Fluoranthene	ND		0.26	mg/Kg-dry	1	4/19/2024 12:08 PM
Fluorene	ND		0.26	mg/Kg-dry	1	4/19/2024 12:08 PM
Indeno(1,2,3-cd)pyrene	ND		0.13	mg/Kg-dry	1	4/19/2024 12:08 PM
Naphthalene	ND		0.26	mg/Kg-dry	1	4/19/2024 12:08 PM
Phenanthrene	ND		0.26	mg/Kg-dry	1	4/19/2024 12:08 PM
Pyrene	ND		0.26	mg/Kg-dry	1	4/19/2024 12:08 PM
<i>Surr: 2-Fluorobiphenyl</i>	81.2		30-116	%REC	1	4/19/2024 12:08 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B			Analyst: SK
1,1,1,2-Tetrachloroethane	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
1,1,1-Trichloroethane	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
1,1,2,2-Tetrachloroethane	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
1,1,2-Trichloroethane	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
1,1-Dichloroethane	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.

Project: Laisy Ave; MS24-26; ODAS0003

Sample ID: SB-9 (0-2')

Collection Date: 4/11/2024 12:05 PM

Work Order: 24040599

Lab ID: 24040599-12

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,1-Dichloroethene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
1,1-Dichloropropene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
1,2,3-Trichlorobenzene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
1,2,3-Trichloropropane	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
1,2,4-Trichlorobenzene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
1,2,4-Trimethylbenzene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
1,2-Dibromo-3-chloropropane	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
1,2-Dibromoethane	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
1,2-Dichlorobenzene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
1,2-Dichloroethane	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
1,2-Dichloropropane	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
1,3,5-Trimethylbenzene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
1,3-Dichlorobenzene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
1,3-Dichloropropane	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
1,4-Dichlorobenzene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
2,2-Dichloropropane	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
2-Butanone	ND		0.072	mg/Kg-dry	1	4/17/2024 07:11 PM
2-Chlorotoluene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
2-Hexanone	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
4-Chlorotoluene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
4-Methyl-2-pentanone	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Acetone	ND		0.072	mg/Kg-dry	1	4/17/2024 07:11 PM
Benzene	0.0089		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Bromobenzene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Bromochloromethane	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Bromodichloromethane	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Bromoform	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Bromomethane	0.027		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Carbon disulfide	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Carbon tetrachloride	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Chlorobenzene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Chloroethane	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Chloroform	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Chloromethane	0.11		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
cis-1,2-Dichloroethene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
cis-1,3-Dichloropropene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Dibromochloromethane	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Dibromomethane	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Dichlorodifluoromethane	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Ethylbenzene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-9 (0-2')
Collection Date: 4/11/2024 12:05 PM

Work Order: 24040599
Lab ID: 24040599-12
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Isopropylbenzene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
m,p-Xylene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Methyl tert-butyl ether	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Methylene chloride	ND		0.029	mg/Kg-dry	1	4/17/2024 07:11 PM
Naphthalene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
n-Butylbenzene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
n-Propylbenzene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
o-Xylene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
p-Isopropyltoluene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
sec-Butylbenzene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Styrene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
tert-Butylbenzene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Tetrachloroethene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Toluene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
trans-1,2-Dichloroethene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
trans-1,3-Dichloropropene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Trichloroethene	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Trichlorofluoromethane	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Vinyl chloride	ND		0.0072	mg/Kg-dry	1	4/17/2024 07:11 PM
Xylenes, Total	ND		0.014	mg/Kg-dry	1	4/17/2024 07:11 PM
<i>Surr: 4-Bromofluorobenzene</i>	123		60-140	%REC	1	4/17/2024 07:11 PM
<i>Surr: Dibromofluoromethane</i>	97.2		60-140	%REC	1	4/17/2024 07:11 PM
<i>Surr: Toluene-d8</i>	101		60-140	%REC	1	4/17/2024 07:11 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-12 (0-2')
Collection Date: 4/11/2024 12:55 PM

Work Order: 24040599
Lab ID: 24040599-13
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/17/24 15:34		Analyst: TSA
Aroclor 1016	ND		0.11	mg/Kg-dry	1	4/18/2024 01:24 AM
Aroclor 1221	ND		0.22	mg/Kg-dry	1	4/18/2024 01:24 AM
Aroclor 1232	ND		0.11	mg/Kg-dry	1	4/18/2024 01:24 AM
Aroclor 1242	ND		0.11	mg/Kg-dry	1	4/18/2024 01:24 AM
Aroclor 1248	ND		0.11	mg/Kg-dry	1	4/18/2024 01:24 AM
Aroclor 1254	ND		0.11	mg/Kg-dry	1	4/18/2024 01:24 AM
Aroclor 1260	ND		0.11	mg/Kg-dry	1	4/18/2024 01:24 AM
Aroclor 1262	ND		0.11	mg/Kg-dry	1	4/18/2024 01:24 AM
Aroclor 1268	ND		0.11	mg/Kg-dry	1	4/18/2024 01:24 AM
Surr: Decachlorobiphenyl	84.0		7.32-154	%REC	1	4/18/2024 01:24 AM
Surr: Tetrachloro-m-xylene	88.0		33.5-152	%REC	1	4/18/2024 01:24 AM
MOISTURE			SM2540B			Analyst: CS
Moisture	9.9			% of sample	1	4/16/2024
MERCURY BY CVAA			SW7471A	Prep: EPA 7471 4/22/24 12:23		Analyst: SLT
Mercury	0.015		0.013	mg/Kg-dry	1	4/22/2024 03:33 PM
METALS BY ICP			SW6010B	Prep: SW3050B 4/19/24 12:03		Analyst: JW
Antimony	0.80		0.45	mg/Kg-dry	1	4/19/2024 02:06 PM
Arsenic	11		1.1	mg/Kg-dry	1	4/19/2024 02:06 PM
Barium	34		4.5	mg/Kg-dry	1	4/19/2024 02:06 PM
Beryllium	0.36		0.22	mg/Kg-dry	1	4/19/2024 02:06 PM
Cadmium	0.32		0.22	mg/Kg-dry	1	4/19/2024 02:06 PM
Chromium	9.7		2.2	mg/Kg-dry	1	4/19/2024 02:06 PM
Cobalt	4.0		1.1	mg/Kg-dry	1	4/19/2024 02:06 PM
Lead	15		4.5	mg/Kg-dry	1	4/19/2024 02:06 PM
Nickel	15		2.2	mg/Kg-dry	1	4/19/2024 02:06 PM
Selenium	ND		0.67	mg/Kg-dry	1	4/19/2024 02:06 PM
Silver	ND		1.1	mg/Kg-dry	1	4/19/2024 02:06 PM
Thallium	ND		1.1	mg/Kg-dry	1	4/19/2024 02:06 PM
Vanadium	250		1.1	mg/Kg-dry	1	4/19/2024 02:06 PM
Zinc	57		11	mg/Kg-dry	1	4/19/2024 02:06 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C	Prep: SW3546 4/17/24 10:42		Analyst: RA
1,2,4,5-Tetrachlorobenzene	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
1,2,4-Trichlorobenzene	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
1,2-Dichlorobenzene	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
1,3-Dichlorobenzene	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
1,3-Dinitrobenzene	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
1,4-Dichlorobenzene	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.

Project: Laisy Ave; MS24-26; ODAS0003

Work Order: 24040599

Sample ID: SB-12 (0-2')

Lab ID: 24040599-13

Collection Date: 4/11/2024 12:55 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1-Methylnaphthalene	ND		0.22	mg/Kg-dry	1	4/17/2024 02:09 PM
1-Naphthylamine	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
2,3,4,6-Tetrachlorophenol	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
2,4,5-Trichlorophenol	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
2,4,6-Trichlorophenol	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
2,4-Dichlorophenol	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
2,4-Dimethylphenol	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
2,4-Dinitrophenol	ND		1.8	mg/Kg-dry	1	4/17/2024 02:09 PM
2,4-Dinitrotoluene	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
2,6-Dichlorophenol	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
2,6-Dinitrotoluene	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
2-Acetylaminofluorene	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
2-Chloronaphthalene	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
2-Chlorophenol	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
2-Methylnaphthalene	ND		0.22	mg/Kg-dry	1	4/17/2024 02:09 PM
2-Methylphenol	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
2-Naphthylamine	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
2-Nitroaniline	ND		1.8	mg/Kg-dry	1	4/17/2024 02:09 PM
2-Nitrophenol	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
2-Picoline	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
3&4-Methylphenol	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
3,3'-Dichlorobenzidine	ND		0.73	mg/Kg-dry	1	4/17/2024 02:09 PM
3-Methylcholanthrene	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
3-Nitroaniline	ND		1.8	mg/Kg-dry	1	4/17/2024 02:09 PM
4,6-Dinitro-2-methylphenol	ND		1.8	mg/Kg-dry	1	4/17/2024 02:09 PM
4-Aminobiphenyl	ND		0.73	mg/Kg-dry	1	4/17/2024 02:09 PM
4-Bromophenyl phenyl ether	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
4-Chloro-3-methylphenol	ND		0.73	mg/Kg-dry	1	4/17/2024 02:09 PM
4-Chloroaniline	ND		0.73	mg/Kg-dry	1	4/17/2024 02:09 PM
4-Chlorophenyl phenyl ether	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
4-Nitroaniline	ND		0.73	mg/Kg-dry	1	4/17/2024 02:09 PM
4-Nitrophenol	ND		1.8	mg/Kg-dry	1	4/17/2024 02:09 PM
4-Nitroquinoline 1-oxide	ND		1.8	mg/Kg-dry	1	4/17/2024 02:09 PM
5-Nitro-o-toluidine	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
7,12-Dimethylbenz(a)anthracene	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Acenaphthene	ND		0.22	mg/Kg-dry	1	4/17/2024 02:09 PM
Acenaphthylene	ND		0.22	mg/Kg-dry	1	4/17/2024 02:09 PM
Acetophenone	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Aniline	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Anthracene	ND		0.22	mg/Kg-dry	1	4/17/2024 02:09 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-12 (0-2')
Collection Date: 4/11/2024 12:55 PM

Work Order: 24040599
Lab ID: 24040599-13
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Azobenzene	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Benzidine	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Benzo(a)anthracene	ND		0.11	mg/Kg-dry	1	4/17/2024 02:09 PM
Benzo(a)pyrene	ND		0.11	mg/Kg-dry	1	4/17/2024 02:09 PM
Benzo(b)fluoranthene	ND		0.22	mg/Kg-dry	1	4/17/2024 02:09 PM
Benzo(g,h,i)perylene	0.33		0.22	mg/Kg-dry	1	4/17/2024 02:09 PM
Benzo(k)fluoranthene	ND		0.22	mg/Kg-dry	1	4/17/2024 02:09 PM
Benzyl alcohol	ND		0.73	mg/Kg-dry	1	4/17/2024 02:09 PM
Bis(2-chloroethoxy)methane	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Bis(2-chloroethyl)ether	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Bis(2-chloroisopropyl)ether	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Bis(2-ethylhexyl)phthalate	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Butyl benzyl phthalate	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Carbazole	ND		0.22	mg/Kg-dry	1	4/17/2024 02:09 PM
Chrysene	ND		0.22	mg/Kg-dry	1	4/17/2024 02:09 PM
Dibenzo(a,h)anthracene	ND		0.11	mg/Kg-dry	1	4/17/2024 02:09 PM
Dibenzofuran	ND		0.22	mg/Kg-dry	1	4/17/2024 02:09 PM
Diethyl phthalate	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Dimethyl phthalate	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Di-n-butyl phthalate	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Di-n-octyl phthalate	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Dinoseb	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Diphenylamine	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Ethyl methanesulfonate	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Fluoranthene	ND		0.22	mg/Kg-dry	1	4/17/2024 02:09 PM
Fluorene	ND		0.22	mg/Kg-dry	1	4/17/2024 02:09 PM
Hexachlorobenzene	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Hexachlorobutadiene	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Hexachlorocyclopentadiene	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Hexachloroethane	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Indeno(1,2,3-cd)pyrene	ND		0.11	mg/Kg-dry	1	4/17/2024 02:09 PM
Isophorone	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Isosafrole	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Methapyrilene	ND		1.8	mg/Kg-dry	1	4/17/2024 02:09 PM
Methyl methanesulfonate	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Naphthalene	ND		0.22	mg/Kg-dry	1	4/17/2024 02:09 PM
Nitrobenzene	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
N-Nitrosodiethylamine	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
N-Nitrosodimethylamine	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
N-Nitroso-di-n-butylamine	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-12 (0-2')
Collection Date: 4/11/2024 12:55 PM

Work Order: 24040599
Lab ID: 24040599-13
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
N-Nitrosomethylethylamine	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
N-Nitrosomorpholine	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
N-Nitrosopiperidine	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
N-Nitrosopyrrolidine	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
o-Toluidine	ND		1.8	mg/Kg-dry	1	4/17/2024 02:09 PM
p-Dimethylaminoazobenzene	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Pentachlorobenzene	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Pentachloroethane	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Pentachloronitrobenzene	ND		0.73	mg/Kg-dry	1	4/17/2024 02:09 PM
Pentachlorophenol	ND		1.8	mg/Kg-dry	1	4/17/2024 02:09 PM
Phenacetin	ND		0.73	mg/Kg-dry	1	4/17/2024 02:09 PM
Phenanthrene	ND		0.22	mg/Kg-dry	1	4/17/2024 02:09 PM
Phenol	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Pyrene	ND		0.22	mg/Kg-dry	1	4/17/2024 02:09 PM
Pyridine	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
Safrole	ND		0.37	mg/Kg-dry	1	4/17/2024 02:09 PM
<i>Surr: 2,4,6-Tribromophenol</i>	70.9		14.2-136	%REC	1	4/17/2024 02:09 PM
<i>Surr: 2-Fluorobiphenyl</i>	65.5		30-116	%REC	1	4/17/2024 02:09 PM
<i>Surr: 2-Fluorophenol</i>	67.7		5.42-113	%REC	1	4/17/2024 02:09 PM
<i>Surr: 4-Terphenyl-d14</i>	68.6		27.3-138	%REC	1	4/17/2024 02:09 PM
<i>Surr: Nitrobenzene-d5</i>	69.3		23.7-109	%REC	1	4/17/2024 02:09 PM
<i>Surr: Phenol-d6</i>	66.9		13.8-108	%REC	1	4/17/2024 02:09 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Analyst: SK	
1,1,1,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
1,1,1-Trichloroethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
1,1,2-Trichloroethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
1,1-Dichloroethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
1,1-Dichloroethene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
1,1-Dichloropropene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
1,2,3-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
1,2,3-Trichloropropane	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
1,2,4-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
1,2,4-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
1,2-Dibromo-3-chloropropane	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
1,2-Dibromoethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
1,2-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
1,2-Dichloroethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
1,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.

Project: Laisy Ave; MS24-26; ODAS0003

Work Order: 24040599

Sample ID: SB-12 (0-2')

Lab ID: 24040599-13

Collection Date: 4/11/2024 12:55 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
1,3-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
1,3-Dichloropropane	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
1,4-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
2,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
2-Butanone	ND		0.050	mg/Kg-dry	1	4/17/2024 07:31 PM
2-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
2-Hexanone	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
4-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
4-Methyl-2-pentanone	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Acetone	ND		0.050	mg/Kg-dry	1	4/17/2024 07:31 PM
Benzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Bromobenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Bromochloromethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Bromodichloromethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Bromoform	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Bromomethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Carbon disulfide	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Carbon tetrachloride	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Chlorobenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Chloroethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Chloroform	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Chloromethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
cis-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Dibromochloromethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Dibromomethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Dichlorodifluoromethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Ethylbenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Hexachlorobutadiene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Isopropylbenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
m,p-Xylene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Methyl tert-butyl ether	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	4/17/2024 07:31 PM
Naphthalene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
n-Butylbenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
n-Propylbenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
o-Xylene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
p-Isopropyltoluene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
sec-Butylbenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.

Project: Laisy Ave; MS24-26; ODAS0003

Sample ID: SB-12 (0-2')

Collection Date: 4/11/2024 12:55 PM

Work Order: 24040599

Lab ID: 24040599-13

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
tert-Butylbenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Tetrachloroethene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Toluene	0.0061		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
trans-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Trichloroethene	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Trichlorofluoromethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Vinyl chloride	ND		0.0050	mg/Kg-dry	1	4/17/2024 07:31 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	4/17/2024 07:31 PM
<i>Surr: 4-Bromofluorobenzene</i>	110		60-140	%REC	1	4/17/2024 07:31 PM
<i>Surr: Dibromofluoromethane</i>	120		60-140	%REC	1	4/17/2024 07:31 PM
<i>Surr: Toluene-d8</i>	101		60-140	%REC	1	4/17/2024 07:31 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-12 (5-7')
Collection Date: 4/11/2024 01:05 PM

Work Order: 24040599
Lab ID: 24040599-14
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/17/24 15:34		Analyst: TSA
Aroclor 1016	ND		0.13	mg/Kg-dry	1	4/18/2024 01:40 AM
Aroclor 1221	ND		0.25	mg/Kg-dry	1	4/18/2024 01:40 AM
Aroclor 1232	ND		0.13	mg/Kg-dry	1	4/18/2024 01:40 AM
Aroclor 1242	ND		0.13	mg/Kg-dry	1	4/18/2024 01:40 AM
Aroclor 1248	ND		0.13	mg/Kg-dry	1	4/18/2024 01:40 AM
Aroclor 1254	ND		0.13	mg/Kg-dry	1	4/18/2024 01:40 AM
Aroclor 1260	ND		0.13	mg/Kg-dry	1	4/18/2024 01:40 AM
Aroclor 1262	ND		0.13	mg/Kg-dry	1	4/18/2024 01:40 AM
Aroclor 1268	ND		0.13	mg/Kg-dry	1	4/18/2024 01:40 AM
Surr: Decachlorobiphenyl	88.0		7.32-154	%REC	1	4/18/2024 01:40 AM
Surr: Tetrachloro-m-xylene	94.0		33.5-152	%REC	1	4/18/2024 01:40 AM
MOISTURE			SM2540B			Analyst: CS
Moisture	21			% of sample	1	4/16/2024
MERCURY BY CVA			SW7471A	Prep: EPA 7471 4/22/24 12:23		Analyst: SLT
Mercury	0.021		0.014	mg/Kg-dry	1	4/22/2024 03:35 PM
METALS BY ICP			SW6010B	Prep: SW3050B 4/19/24 12:03		Analyst: JW
Antimony	1.3		0.51	mg/Kg-dry	1	4/19/2024 02:08 PM
Arsenic	11		1.3	mg/Kg-dry	1	4/19/2024 02:08 PM
Barium	47		5.1	mg/Kg-dry	1	4/19/2024 02:08 PM
Beryllium	0.52		0.25	mg/Kg-dry	1	4/19/2024 02:08 PM
Cadmium	0.39		0.25	mg/Kg-dry	1	4/19/2024 02:08 PM
Chromium	12		2.5	mg/Kg-dry	1	4/19/2024 02:08 PM
Cobalt	ND		1.3	mg/Kg-dry	1	4/19/2024 02:08 PM
Lead	10		5.1	mg/Kg-dry	1	4/19/2024 02:08 PM
Nickel	21		2.5	mg/Kg-dry	1	4/19/2024 02:08 PM
Selenium	ND		0.76	mg/Kg-dry	1	4/19/2024 02:08 PM
Silver	ND		1.3	mg/Kg-dry	1	4/19/2024 02:08 PM
Thallium	ND		1.3	mg/Kg-dry	1	4/19/2024 02:08 PM
Vanadium	110		1.3	mg/Kg-dry	1	4/19/2024 02:08 PM
Zinc	60		13	mg/Kg-dry	1	4/19/2024 02:08 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C	Prep: SW3546 4/17/24 10:42		Analyst: RA
1,2,4,5-Tetrachlorobenzene	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
1,2,4-Trichlorobenzene	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
1,2-Dichlorobenzene	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
1,3-Dichlorobenzene	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
1,3-Dinitrobenzene	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
1,4-Dichlorobenzene	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-12 (5-7')
Collection Date: 4/11/2024 01:05 PM

Work Order: 24040599
Lab ID: 24040599-14
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1-Methylnaphthalene	ND		0.25	mg/Kg-dry	1	4/17/2024 02:23 PM
1-Naphthylamine	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
2,3,4,6-Tetrachlorophenol	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
2,4,5-Trichlorophenol	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
2,4,6-Trichlorophenol	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
2,4-Dichlorophenol	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
2,4-Dimethylphenol	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
2,4-Dinitrophenol	ND		2.1	mg/Kg-dry	1	4/17/2024 02:23 PM
2,4-Dinitrotoluene	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
2,6-Dichlorophenol	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
2,6-Dinitrotoluene	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
2-Acetylaminofluorene	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
2-Chloronaphthalene	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
2-Chlorophenol	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
2-Methylnaphthalene	ND		0.25	mg/Kg-dry	1	4/17/2024 02:23 PM
2-Methylphenol	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
2-Naphthylamine	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
2-Nitroaniline	ND		2.1	mg/Kg-dry	1	4/17/2024 02:23 PM
2-Nitrophenol	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
2-Picoline	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
3&4-Methylphenol	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
3,3'-Dichlorobenzidine	ND		0.84	mg/Kg-dry	1	4/17/2024 02:23 PM
3-Methylcholanthrene	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
3-Nitroaniline	ND		2.1	mg/Kg-dry	1	4/17/2024 02:23 PM
4,6-Dinitro-2-methylphenol	ND		2.1	mg/Kg-dry	1	4/17/2024 02:23 PM
4-Aminobiphenyl	ND		0.84	mg/Kg-dry	1	4/17/2024 02:23 PM
4-Bromophenyl phenyl ether	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
4-Chloro-3-methylphenol	ND		0.84	mg/Kg-dry	1	4/17/2024 02:23 PM
4-Chloroaniline	ND		0.84	mg/Kg-dry	1	4/17/2024 02:23 PM
4-Chlorophenyl phenyl ether	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
4-Nitroaniline	ND		0.84	mg/Kg-dry	1	4/17/2024 02:23 PM
4-Nitrophenol	ND		2.1	mg/Kg-dry	1	4/17/2024 02:23 PM
4-Nitroquinoline 1-oxide	ND		2.1	mg/Kg-dry	1	4/17/2024 02:23 PM
5-Nitro-o-toluidine	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
7,12-Dimethylbenz(a)anthracene	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Acenaphthene	ND		0.25	mg/Kg-dry	1	4/17/2024 02:23 PM
Acenaphthylene	ND		0.25	mg/Kg-dry	1	4/17/2024 02:23 PM
Acetophenone	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Aniline	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Anthracene	ND		0.25	mg/Kg-dry	1	4/17/2024 02:23 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-12 (5-7')
Collection Date: 4/11/2024 01:05 PM

Work Order: 24040599
Lab ID: 24040599-14
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Azobenzene	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Benzidine	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Benzo(a)anthracene	ND		0.13	mg/Kg-dry	1	4/17/2024 02:23 PM
Benzo(a)pyrene	ND		0.13	mg/Kg-dry	1	4/17/2024 02:23 PM
Benzo(b)fluoranthene	ND		0.25	mg/Kg-dry	1	4/17/2024 02:23 PM
Benzo(g,h,i)perylene	ND		0.25	mg/Kg-dry	1	4/17/2024 02:23 PM
Benzo(k)fluoranthene	ND		0.25	mg/Kg-dry	1	4/17/2024 02:23 PM
Benzyl alcohol	ND		0.84	mg/Kg-dry	1	4/17/2024 02:23 PM
Bis(2-chloroethoxy)methane	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Bis(2-chloroethyl)ether	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Bis(2-chloroisopropyl)ether	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Bis(2-ethylhexyl)phthalate	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Butyl benzyl phthalate	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Carbazole	ND		0.25	mg/Kg-dry	1	4/17/2024 02:23 PM
Chrysene	ND		0.25	mg/Kg-dry	1	4/17/2024 02:23 PM
Dibenzo(a,h)anthracene	ND		0.13	mg/Kg-dry	1	4/17/2024 02:23 PM
Dibenzofuran	ND		0.25	mg/Kg-dry	1	4/17/2024 02:23 PM
Diethyl phthalate	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Dimethyl phthalate	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Di-n-butyl phthalate	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Di-n-octyl phthalate	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Dinoseb	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Diphenylamine	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Ethyl methanesulfonate	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Fluoranthene	ND		0.25	mg/Kg-dry	1	4/17/2024 02:23 PM
Fluorene	ND		0.25	mg/Kg-dry	1	4/17/2024 02:23 PM
Hexachlorobenzene	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Hexachlorobutadiene	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Hexachlorocyclopentadiene	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Hexachloroethane	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Indeno(1,2,3-cd)pyrene	ND		0.13	mg/Kg-dry	1	4/17/2024 02:23 PM
Isophorone	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Isosafrole	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Methapyrilene	ND		2.1	mg/Kg-dry	1	4/17/2024 02:23 PM
Methyl methanesulfonate	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Naphthalene	ND		0.25	mg/Kg-dry	1	4/17/2024 02:23 PM
Nitrobenzene	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
N-Nitrosodiethylamine	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
N-Nitrosodimethylamine	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
N-Nitroso-di-n-butylamine	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-12 (5-7')
Collection Date: 4/11/2024 01:05 PM

Work Order: 24040599
Lab ID: 24040599-14
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
N-Nitrosomethylethylamine	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
N-Nitrosomorpholine	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
N-Nitrosopiperidine	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
N-Nitrosopyrrolidine	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
o-Toluidine	ND		2.1	mg/Kg-dry	1	4/17/2024 02:23 PM
p-Dimethylaminoazobenzene	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Pentachlorobenzene	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Pentachloroethane	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Pentachloronitrobenzene	ND		0.84	mg/Kg-dry	1	4/17/2024 02:23 PM
Pentachlorophenol	ND		2.1	mg/Kg-dry	1	4/17/2024 02:23 PM
Phenacetin	ND		0.84	mg/Kg-dry	1	4/17/2024 02:23 PM
Phenanthrene	ND		0.25	mg/Kg-dry	1	4/17/2024 02:23 PM
Phenol	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Pyrene	ND		0.25	mg/Kg-dry	1	4/17/2024 02:23 PM
Pyridine	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
Safrole	ND		0.42	mg/Kg-dry	1	4/17/2024 02:23 PM
<i>Surr: 2,4,6-Tribromophenol</i>	79.6		14.2-136	%REC	1	4/17/2024 02:23 PM
<i>Surr: 2-Fluorobiphenyl</i>	73.8		30-116	%REC	1	4/17/2024 02:23 PM
<i>Surr: 2-Fluorophenol</i>	79.8		5.42-113	%REC	1	4/17/2024 02:23 PM
<i>Surr: 4-Terphenyl-d14</i>	77.1		27.3-138	%REC	1	4/17/2024 02:23 PM
<i>Surr: Nitrobenzene-d5</i>	78.2		23.7-109	%REC	1	4/17/2024 02:23 PM
<i>Surr: Phenol-d6</i>	77.3		13.8-108	%REC	1	4/17/2024 02:23 PM

VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: SK

1,1,1,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
1,1,1-Trichloroethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
1,1,2-Trichloroethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
1,1-Dichloroethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
1,1-Dichloroethene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
1,1-Dichloropropene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
1,2,3-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
1,2,3-Trichloropropane	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
1,2,4-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
1,2,4-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
1,2-Dibromo-3-chloropropane	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
1,2-Dibromoethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
1,2-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
1,2-Dichloroethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
1,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-12 (5-7')
Collection Date: 4/11/2024 01:05 PM

Work Order: 24040599
Lab ID: 24040599-14
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
1,3-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
1,3-Dichloropropane	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
1,4-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
2,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
2-Butanone	ND		0.050	mg/Kg-dry	1	4/17/2024 08:52 PM
2-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
2-Hexanone	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
4-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
4-Methyl-2-pentanone	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Acetone	ND		0.050	mg/Kg-dry	1	4/17/2024 08:52 PM
Benzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Bromobenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Bromochloromethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Bromodichloromethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Bromoform	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Bromomethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Carbon disulfide	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Carbon tetrachloride	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Chlorobenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Chloroethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Chloroform	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Chloromethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
cis-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Dibromochloromethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Dibromomethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Dichlorodifluoromethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Ethylbenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Hexachlorobutadiene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Isopropylbenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
m,p-Xylene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Methyl tert-butyl ether	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	4/17/2024 08:52 PM
Naphthalene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
n-Butylbenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
n-Propylbenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
o-Xylene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
p-Isopropyltoluene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
sec-Butylbenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: SB-12 (5-7')
Collection Date: 4/11/2024 01:05 PM

Work Order: 24040599
Lab ID: 24040599-14
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
tert-Butylbenzene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Tetrachloroethene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Toluene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
trans-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Trichloroethene	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Trichlorofluoromethane	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Vinyl chloride	ND		0.0050	mg/Kg-dry	1	4/17/2024 08:52 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	4/17/2024 08:52 PM
<i>Surr: 4-Bromofluorobenzene</i>	106		60-140	%REC	1	4/17/2024 08:52 PM
<i>Surr: Dibromofluoromethane</i>	129		60-140	%REC	1	4/17/2024 08:52 PM
<i>Surr: Toluene-d8</i>	102		60-140	%REC	1	4/17/2024 08:52 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: Trip Blank
Collection Date: 4/11/2024

Work Order: 24040599
Lab ID: 24040599-15
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			SW8260B		Analyst: TJH	
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	4/16/2024 02:31 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	4/16/2024 02:31 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	4/16/2024 02:31 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	4/16/2024 02:31 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	4/16/2024 02:31 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	4/16/2024 02:31 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	4/16/2024 02:31 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	4/16/2024 02:31 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	4/16/2024 02:31 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	4/16/2024 02:31 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	4/16/2024 02:31 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	4/16/2024 02:31 PM
2-Butanone	ND		50	µg/L	1	4/16/2024 02:31 PM
2-Chlorotoluene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
2-Hexanone	ND		5.0	µg/L	1	4/16/2024 02:31 PM
4-Chlorotoluene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Acetone	ND		50	µg/L	1	4/16/2024 02:31 PM
Benzene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Bromobenzene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Bromochloromethane	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Bromodichloromethane	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Bromoform	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Bromomethane	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Carbon disulfide	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Carbon tetrachloride	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Chlorobenzene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Chloroethane	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Chloroform	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Chloromethane	ND		5.0	µg/L	1	4/16/2024 02:31 PM

Note:

ALS Environmental

Date: 24-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
Sample ID: Trip Blank
Collection Date: 4/11/2024

Work Order: 24040599
Lab ID: 24040599-15
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Dibromochloromethane	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Dibromomethane	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Ethylbenzene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Isopropylbenzene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
m,p-Xylene	ND		10	µg/L	1	4/16/2024 02:31 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Methylene chloride	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Naphthalene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
n-Butylbenzene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
n-Propylbenzene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
o-Xylene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
sec-Butylbenzene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Styrene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
tert-Butylbenzene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Tetrachloroethene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Toluene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Trichloroethene	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	4/16/2024 02:31 PM
Vinyl chloride	ND		2.0	µg/L	1	4/16/2024 02:31 PM
Xylenes, Total	ND		15	µg/L	1	4/16/2024 02:31 PM
Surr: 4-Bromofluorobenzene	109		61-131	%REC	1	4/16/2024 02:31 PM
Surr: Dibromofluoromethane	101		72-137	%REC	1	4/16/2024 02:31 PM
Surr: Toluene-d8	103		93.7-124	%REC	1	4/16/2024 02:31 PM

Note:

Client: The Mannik & Smith Group, Inc.
Work Order: 24040599
Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **98168** Instrument ID **GC10** Method: **SW8015B**

MBLK		Sample ID: MBLK-98168-98168				Units: mg/Kg		Analysis Date: 4/18/2024 11:55 AM			
Client ID:		Run ID: GC10_240418A				SeqNo: 3363924		Prep Date: 4/17/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Diesel (total)	ND	13									
TPH C10-C20	ND	13									
TPH C20-C34	ND	13									
Surr: Nonane	1.554	0	3.333	0	46.6	13.1-113	0				
Surr: Pentacosane	1.099	0	3.333	0	33	30.6-143	0				

LCS		Sample ID: LCS-98168-98168				Units: mg/Kg		Analysis Date: 4/18/2024 12:13 PM			
Client ID:		Run ID: GC10_240418A				SeqNo: 3363925		Prep Date: 4/17/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Diesel (total)	25.53	13	33.33	0	76.6	40.7-124	0				
Surr: Nonane	1.983	0	3.333	0	59.5	13.1-113	0				
Surr: Pentacosane	1.526	0	3.333	0	45.8	30.6-143	0				

MS		Sample ID: 24040616-24BMS				Units: mg/Kg		Analysis Date: 4/18/2024 12:31 PM			
Client ID:		Run ID: GC10_240418A				SeqNo: 3363926		Prep Date: 4/17/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Diesel (total)	221.1	13	33.22	29.28	577	15.3-133	0			S	
Surr: Nonane	1.732	0	3.322	0	52.1	13.1-113	0				
Surr: Pentacosane	2.211	0	3.322	0	66.6	30.6-143	0				

MSD		Sample ID: 24040616-24BMSD				Units: mg/Kg		Analysis Date: 4/18/2024 12:49 PM			
Client ID:		Run ID: GC10_240418A				SeqNo: 3363927		Prep Date: 4/17/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Diesel (total)	177.5	13	33.4	29.28	444	15.3-133	221.1	21.9	20	SR	
Surr: Nonane	1.799	0	3.34	0	53.9	13.1-113	1.732	3.77			
Surr: Pentacosane	1.672	0	3.34	0	50.1	30.6-143	2.211	27.8			

The following samples were analyzed in this batch:

24040599-01C	24040599-02C	24040599-11C
24040599-12C		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **98182** Instrument ID **GC3** Method: **SW8082**

MBLK		Sample ID: MBLK-98182-98182				Units: mg/Kg		Analysis Date: 4/17/2024 09:22 PM		
Client ID:		Run ID: GC3_240417B			SeqNo: 3362230		Prep Date: 4/17/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.10								
Aroclor 1221	ND	0.20								
Aroclor 1232	ND	0.10								
Aroclor 1242	ND	0.10								
Aroclor 1248	ND	0.10								
Aroclor 1254	ND	0.10								
Aroclor 1260	ND	0.10								
Aroclor 1262	ND	0.10								
Aroclor 1268	ND	0.10								
<i>Surr: Decachlorobiphenyl</i>	<i>0.05467</i>	<i>0</i>	<i>0.0667</i>	<i>0</i>	<i>82</i>	<i>7.32-154</i>	<i>0</i>			
<i>Surr: Tetrachloro-m-xylene</i>	<i>0.056</i>	<i>0</i>	<i>0.0667</i>	<i>0</i>	<i>84</i>	<i>33.5-152</i>	<i>0</i>			

LCS		Sample ID: LCS-98182-98182				Units: mg/Kg		Analysis Date: 4/17/2024 10:10 PM		
Client ID:		Run ID: GC3_240417B			SeqNo: 3362231		Prep Date: 4/17/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	1.347	0.10	1.333	0	101	53.1-145	0			
Aroclor 1260	1.325	0.10	1.333	0	99.4	58.2-144	0			
<i>Surr: Decachlorobiphenyl</i>	<i>0.06133</i>	<i>0</i>	<i>0.0667</i>	<i>0</i>	<i>92</i>	<i>7.32-154</i>	<i>0</i>			
<i>Surr: Tetrachloro-m-xylene</i>	<i>0.064</i>	<i>0</i>	<i>0.0667</i>	<i>0</i>	<i>96</i>	<i>33.5-152</i>	<i>0</i>			

MS		Sample ID: 24040616-24BMS				Units: mg/Kg		Analysis Date: 4/17/2024 10:26 PM		
Client ID:		Run ID: GC3_240417B			SeqNo: 3362232		Prep Date: 4/17/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	2.618	0.20	2.677	0	97.8	34.7-137	0			
Aroclor 1260	2.645	0.20	2.677	0	98.8	27.1-140	0			
<i>Surr: Decachlorobiphenyl</i>	<i>0.1205</i>	<i>0</i>	<i>0.1339</i>	<i>0</i>	<i>90</i>	<i>7.32-154</i>	<i>0</i>			
<i>Surr: Tetrachloro-m-xylene</i>	<i>0.1178</i>	<i>0</i>	<i>0.1339</i>	<i>0</i>	<i>88</i>	<i>33.5-152</i>	<i>0</i>			

MSD		Sample ID: 24040616-24BMSD				Units: mg/Kg		Analysis Date: 4/17/2024 10:43 PM		
Client ID:		Run ID: GC3_240417B			SeqNo: 3362233		Prep Date: 4/17/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	2.606	0.20	2.655	0	98.1	34.7-137	2.618	0.494	20	
Aroclor 1260	2.664	0.20	2.655	0	100	27.1-140	2.645	0.707	20	
<i>Surr: Decachlorobiphenyl</i>	<i>0.1248</i>	<i>0</i>	<i>0.1329</i>	<i>0</i>	<i>94</i>	<i>7.32-154</i>	<i>0.1205</i>	<i>3.55</i>		
<i>Surr: Tetrachloro-m-xylene</i>	<i>0.1195</i>	<i>0</i>	<i>0.1329</i>	<i>0</i>	<i>90</i>	<i>33.5-152</i>	<i>0.1178</i>	<i>1.45</i>		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
Work Order: 24040599
Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **98182** Instrument ID **GC3** Method: **SW8082**

The following samples were analyzed in this batch:

24040599-03B	24040599-04B	24040599-05B
24040599-06B	24040599-07B	24040599-08B
24040599-09B	24040599-10B	24040599-13B
24040599-14B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **R228433** Instrument ID **GC6** Method: **SW8015A**

MBLK		Sample ID: MBLK-R228433				Units: mg/Kg		Analysis Date: 4/15/2024 11:54 AM		
Client ID:		Run ID: GC6_240415A		SeqNo: 3358037		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH C6-C12	ND	2.0								
<i>Surr: Cyclooctane</i>	407.7	0	500	0	81.5	65.2-156	0			

LCS		Sample ID: LCS-R228433				Units: mg/Kg		Analysis Date: 4/15/2024 10:40 AM		
Client ID:		Run ID: GC6_240415A		SeqNo: 3358034		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH C6-C12	24.42	2.0	20	0	122	57.2-164	0			
<i>Surr: Cyclooctane</i>	524.8	0	500	0	105	65.2-156	0			

MS		Sample ID: 24040444-02A MS				Units: mg/Kg		Analysis Date: 4/15/2024 11:03 AM		
Client ID:		Run ID: GC6_240415A		SeqNo: 3358035		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH C6-C12	22.66	2.0	20	0	113	42.3-144	0			
<i>Surr: Cyclooctane</i>	473.7	0	500	0	94.7	65.2-156	0			

MSD		Sample ID: 24040444-02A MSd				Units: mg/Kg		Analysis Date: 4/15/2024 11:28 AM		
Client ID:		Run ID: GC6_240415A		SeqNo: 3358036		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH C6-C12	21.45	2.0	20	0	107	42.3-144	22.66	5.47	20	
<i>Surr: Cyclooctane</i>	497.7	0	500	0	99.5	65.2-156	473.7	4.94		

The following samples were analyzed in this batch:

24040599-01b	24040599-02b	24040599-11b
24040599-12b		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **98189** Instrument ID **HG2** Method: **SW7471A**

MBLK		Sample ID: MBLK-98189-98189				Units: mg/Kg		Analysis Date: 4/18/2024 09:47 AM		
Client ID:		Run ID: HG2_240418B		SeqNo: 3362018		Prep Date: 4/17/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury ND 0.10

LCS		Sample ID: LCS-98189-98189				Units: mg/Kg		Analysis Date: 4/18/2024 10:53 AM		
Client ID:		Run ID: HG2_240418B		SeqNo: 3362042		Prep Date: 4/17/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.55 0.10 0.833 0 66 51.3-124 0

LCSD		Sample ID: LCSD-98189-98189				Units: mg/Kg		Analysis Date: 4/18/2024 09:51 AM		
Client ID:		Run ID: HG2_240418B		SeqNo: 3362019		Prep Date: 4/17/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.6017 0.10 0.833 0 72.2 51.3-124 0.55 8.97 20

MS		Sample ID: 24040599-03B MS				Units: mg/Kg		Analysis Date: 4/18/2024 10:44 AM		
Client ID: SB-4 (0-2')		Run ID: HG2_240418B		SeqNo: 3362040		Prep Date: 4/17/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.08368 0.012 0.09771 0.02077 64.4 69-147 0 S

MSD		Sample ID: 24040599-03B MSD				Units: mg/Kg		Analysis Date: 4/18/2024 10:46 AM		
Client ID: SB-4 (0-2')		Run ID: HG2_240418B		SeqNo: 3362041		Prep Date: 4/17/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.07619 0.012 0.09714 0.02077 57.1 69-147 0.08368 9.36 20 S

The following samples were analyzed in this batch:

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **98293** Instrument ID **HG2** Method: **SW7471A**

MBLK		Sample ID: MBLK-98293-98293				Units: mg/Kg		Analysis Date: 4/22/2024 03:04 PM			
Client ID:		Run ID: HG2_240422B				SeqNo: 3365687		Prep Date: 4/22/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Mercury	ND	0.10									

LCS		Sample ID: LCS-98293-98293				Units: mg/Kg		Analysis Date: 4/22/2024 03:06 PM			
Client ID:		Run ID: HG2_240422B				SeqNo: 3365688		Prep Date: 4/22/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Mercury	0.6717	0.10	0.833	0	80.6	51.3-124	0				

LCSD		Sample ID: LCSD-98293-98293				Units: mg/Kg		Analysis Date: 4/22/2024 03:08 PM			
Client ID:		Run ID: HG2_240422B				SeqNo: 3365689		Prep Date: 4/22/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Mercury	0.6783	0.10	0.833	0	81.4	51.3-124	0.6717	0.988	20		

MS		Sample ID: 24040661-14B MS				Units: mg/Kg		Analysis Date: 4/22/2024 04:00 PM			
Client ID:		Run ID: HG2_240422B				SeqNo: 3365709		Prep Date: 4/22/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Mercury	0.08868	0.012	0.09982	0.01125	77.6	69-147	0				

MSD		Sample ID: 24040661-14B MSD				Units: mg/Kg		Analysis Date: 4/22/2024 04:03 PM			
Client ID:		Run ID: HG2_240422B				SeqNo: 3365710		Prep Date: 4/22/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Mercury	0.08127	0.012	0.09883	0.01125	70.9	69-147	0.08868	8.71	20		

The following samples were analyzed in this batch:

24040599-04B	24040599-05B	24040599-06B
24040599-07B	24040599-08B	24040599-09B
24040599-10B	24040599-13B	24040599-14B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **98228** Instrument ID **ICP4** Method: **SW6010B**

MBLK		Sample ID: MBLK-98228-98228				Units: mg/Kg		Analysis Date: 4/18/2024 01:35 PM			
Client ID:		Run ID: ICP4_240418C				SeqNo: 3362449		Prep Date: 4/18/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Antimony	ND	2.0									
Arsenic	ND	5.0									
Barium	ND	20									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	10									
Cobalt	ND	5.0									
Lead	ND	20									
Nickel	ND	10									
Selenium	ND	3.0									
Silver	ND	5.0									
Thallium	ND	5.0									
Vanadium	ND	5.0									
Zinc	ND	50									

LCS		Sample ID: LCS-98228-98228				Units: mg/Kg		Analysis Date: 4/18/2024 01:37 PM			
Client ID:		Run ID: ICP4_240418C				SeqNo: 3362450		Prep Date: 4/18/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Antimony	89.95	2.0	100	0	90	78-114	0				
Arsenic	97.87	5.0	100	0	97.9	49.7-118	0				
Barium	99.81	20	100	0	99.8	81.6-112	0				
Beryllium	92.84	1.0	100	0	92.8	87.7-117	0				
Cadmium	100.1	1.0	100	0	100	87.2-119	0				
Chromium	98.56	10	100	0	98.6	81.7-123	0				
Cobalt	93.06	5.0	100	0	93.1	77.3-110	0				
Lead	92.4	20	100	0	92.4	82.9-117	0				
Nickel	97.84	10	100	0	97.8	78.4-109	0				
Selenium	99.4	3.0	100	0	99.4	86.2-110	0				
Silver	94.42	5.0	100	0	94.4	77.1-118	0				
Thallium	95.42	5.0	100	0	95.4	78.9-109	0				
Vanadium	93.86	5.0	100	0	93.9	77.4-108	0				
Zinc	101.8	50	100	0	102	80.5-112	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **98228** Instrument ID **ICP4** Method: **SW6010B**

LCSD				Sample ID: LCSD-98228-98228				Units: mg/Kg		Analysis Date: 4/18/2024 01:38 PM	
Client ID:		Run ID: ICP4_240418C			SeqNo: 3362451		Prep Date: 4/18/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Antimony	88.41	2.0	100	0	88.4	78-114	89.95	1.73	20		
Arsenic	96.37	5.0	100	0	96.4	79.7-118	97.87	1.54	20		
Barium	99.06	20	100	0	99.1	81.6-112	99.81	0.754	20		
Beryllium	92.56	1.0	100	0	92.6	87.7-117	92.84	0.302	20		
Cadmium	99.41	1.0	100	0	99.4	87.2-119	100.1	0.692	20		
Chromium	98.12	10	100	0	98.1	81.7-123	98.56	0.447	20		
Cobalt	93.07	5.0	100	0	93.1	77.3-110	93.06	0.0107	20		
Lead	91.96	20	100	0	92	82.9-117	92.4	0.477	20		
Nickel	97.21	10	100	0	97.2	78.4-109	97.84	0.646	20		
Selenium	97.65	3.0	100	0	97.6	86.2-110	99.4	1.78	20		
Silver	93.97	5.0	100	0	94	77.1-118	94.42	0.478	20		
Thallium	95.02	5.0	100	0	95	78.9-109	95.42	0.42	20		
Vanadium	93.7	5.0	100	0	93.7	77.4-108	93.86	0.171	20		
Zinc	100.6	50	100	0	101	80.5-112	101.8	1.19	20		

MS				Sample ID: 24040774-01A MS				Units: mg/Kg		Analysis Date: 4/18/2024 01:41 PM	
Client ID:		Run ID: ICP4_240418C			SeqNo: 3362453		Prep Date: 4/18/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	25.41	0.98	19.64	11.12	72.8	69.6-115	0				
Chromium	26	2.0	19.64	14.38	59.2	69.3-116	0			S	
Lead	19.27	3.9	19.64	5.604	69.6	69.3-107	0				

MSD				Sample ID: 24040774-01A MSD				Units: mg/Kg		Analysis Date: 4/18/2024 01:43 PM	
Client ID:		Run ID: ICP4_240418C			SeqNo: 3362454		Prep Date: 4/18/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	22.5	0.99	19.75	11.12	57.6	69.6-115	25.41	12.2	20	S	
Chromium	29.88	2.0	19.75	14.38	78.5	69.3-116	26	13.9	20		
Lead	16.49	4.0	19.75	5.604	55.1	69.3-107	19.27	15.5	20	S	

The following samples were analyzed in this batch:

24040599-03B	24040599-04B	24040599-05B
24040599-06B	24040599-07B	24040599-08B
24040599-09B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **98269** Instrument ID **ICP4** Method: **SW6010B**

MBLK		Sample ID: MBLK-98269-98269				Units: mg/Kg		Analysis Date: 4/19/2024 01:54 PM			
Client ID:		Run ID: ICP4_240419C			SeqNo: 3364067		Prep Date: 4/19/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Antimony	ND	0.41									
Arsenic	ND	1.0									
Barium	ND	4.1									
Beryllium	ND	0.21									
Cadmium	ND	0.21									
Chromium	ND	2.1									
Cobalt	ND	1.0									
Lead	ND	4.1									
Nickel	ND	2.1									
Selenium	ND	0.62									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	10									

LCS		Sample ID: LCS-98269-98269				Units: mg/Kg		Analysis Date: 4/19/2024 01:55 PM			
Client ID:		Run ID: ICP4_240419C			SeqNo: 3364068		Prep Date: 4/19/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Antimony	18.97	0.42	20.76	0	91.4	78-114	0				
Arsenic	20.24	1.0	20.76	0	97.5	49.7-118	0				
Barium	23.76	4.2	20.76	0	114	80-120	0				
Beryllium	19.81	0.21	20.76	0	95.4	87.7-117	0				
Cadmium	20.88	0.21	20.76	0	101	87.2-119	0				
Chromium	20.66	2.1	20.76	0	99.5	81.7-123	0				
Cobalt	19.92	1.0	20.76	0	96	77.3-110	0				
Lead	19.69	4.2	20.76	0	94.9	82.9-117	0				
Nickel	20.42	2.1	20.76	0	98.4	78.4-109	0				
Selenium	20.68	0.62	20.76	0	99.6	86.2-110	0				
Silver	22.58	1.0	20.76	0	109	77.1-118	0				
Thallium	20.2	1.0	20.76	0	97.3	78.9-109	0				
Vanadium	19.96	1.0	20.76	0	96.2	77.4-108	0				
Zinc	20.5	10	20.76	0	98.8	80.5-112	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **98269** Instrument ID **ICP4** Method: **SW6010B**

LCSD		Sample ID: LCSD-98269-98269				Units: mg/Kg		Analysis Date: 4/19/2024 01:57 PM		
Client ID:		Run ID: ICP4_240419C				SeqNo: 3364069		Prep Date: 4/19/2024		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	18.56	0.41	20.37	0	91.1	78-114	18.97	2.2	20	
Arsenic	19.94	1.0	20.37	0	97.9	79.7-118	20.24	1.5	20	
Barium	20.45	4.1	20.37	0	100	80-120	23.76	15	20	
Beryllium	19.21	0.20	20.37	0	94.3	87.7-117	19.81	3.09	20	
Cadmium	20.43	0.20	20.37	0	100	87.2-119	20.88	2.19	20	
Chromium	20.16	2.0	20.37	0	99	81.7-123	20.66	2.43	20	
Cobalt	19.45	1.0	20.37	0	95.5	77.3-110	19.92	2.37	20	
Lead	19.33	4.1	20.37	0	94.9	82.9-117	19.69	1.84	20	
Nickel	19.97	2.0	20.37	0	98	78.4-109	20.42	2.22	20	
Selenium	20.3	0.61	20.37	0	99.7	86.2-110	20.68	1.85	20	
Silver	19.53	1.0	20.37	0	95.9	77.1-118	22.58	14.5	20	
Thallium	19.68	1.0	20.37	0	96.6	78.9-109	20.2	2.58	20	
Vanadium	19.56	1.0	20.37	0	96.1	77.4-108	19.96	2.01	20	
Zinc	19.96	10	20.37	0	98	80.5-112	20.5	2.66	20	

MS		Sample ID: 24040821-01A MS				Units: mg/Kg		Analysis Date: 4/19/2024 02:36 PM		
Client ID:		Run ID: ICP4_240419C				SeqNo: 3364090		Prep Date: 4/19/2024		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	13.36	0.39	19.71	0.9059	63.2	61.8-111	0			
Arsenic	24.38	0.99	19.71	8.944	78.3	69.6-115	0			
Barium	102.7	3.9	19.71	68.35	174	60.1-114	0			S
Beryllium	13.76	0.20	19.71	0.332	68.1	65.7-115	0			
Cadmium	16.29	0.20	19.71	0.2398	81.4	69.1-120	0			
Chromium	37.55	2.0	19.71	20.64	85.8	69.3-116	0			
Cobalt	17.17	0.99	19.71	4.79	62.8	52.4-121	0			
Lead	19.43	3.9	19.71	7.092	62.6	69.3-107	0			S
Nickel	29.53	2.0	19.71	17.27	62.2	63.6-105	0			S
Selenium	12.89	0.59	19.71	0	65.4	66.5-109	0			S
Silver	18.93	0.99	19.71	0	96	70.3-116	0			
Thallium	11.87	0.99	19.71	0.2029	59.2	54.6-115	0			
Vanadium	514.7	0.99	19.71	515.5	-4	75-125	0			SO
Zinc	42.05	9.9	19.71	30.13	60.5	75-125	0			S

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **98269** Instrument ID **ICP4** Method: **SW6010B**

MSD		Sample ID: 24040821-01A MSD				Units: mg/Kg		Analysis Date: 4/19/2024 02:38 PM			
Client ID:		Run ID: ICP4_240419C			SeqNo: 3364091		Prep Date: 4/19/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Antimony	13.36	0.41	20.33	0.9059	61.3	61.8-111	13.36	0.00599	20	S	
Arsenic	19.78	1.0	20.33	8.944	53.3	69.6-115	24.38	20.8	20	SR	
Barium	56.36	4.1	20.33	68.35	-59	60.1-114	102.7	58.3	20	SR	
Beryllium	12.9	0.20	20.33	0.332	61.8	65.7-115	13.76	6.43	20	S	
Cadmium	16.32	0.20	20.33	0.2398	79.1	69.1-120	16.29	0.178	20		
Chromium	21.38	2.0	20.33	20.64	3.65	69.3-116	37.55	54.9	20	SR	
Cobalt	14.46	1.0	20.33	4.79	47.6	52.4-121	17.17	17.2	20	S	
Lead	15.84	4.1	20.33	7.092	43	69.3-107	19.43	20.4	20	SR	
Nickel	20.43	2.0	20.33	17.27	15.5	63.6-105	29.53	36.4	20	SR	
Selenium	13.17	0.61	20.33	0	64.8	66.5-109	12.89	2.14	20	S	
Silver	19.5	1.0	20.33	0	95.9	70.3-116	18.93	2.98	20		
Thallium	11.26	1.0	20.33	0.2029	54.4	54.6-115	11.87	5.21	20	S	
Vanadium	727.6	1.0	20.33	515.5	1040	75-125	514.7	34.3	20	SRO	
Zinc	26.36	10	20.33	30.13	-18.5	75-125	42.05	45.9	20	SR	

The following samples were analyzed in this batch:

24040599-10B	24040599-13B	24040599-14B
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **98167** Instrument ID **SVMS1** Method: **SW8270C**

MBLK		Sample ID: MBLK-98167-98167			Units: µg/Kg		Analysis Date: 4/17/2024 11:37 AM			
Client ID:		Run ID: SVMS1_240417A			SeqNo: 3361770		Prep Date: 4/17/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	ND	330								
1,2,4-Trichlorobenzene	ND	330								
1,2-Dichlorobenzene	ND	330								
1,3-Dichlorobenzene	ND	330								
1,3-Dinitrobenzene	ND	330								
1,4-Dichlorobenzene	ND	330								
1-Methylnaphthalene	ND	200								
1-Naphthylamine	ND	330								
2,3,4,6-Tetrachlorophenol	ND	330								
2,4,5-Trichlorophenol	ND	330								
2,4,6-Trichlorophenol	ND	330								
2,4-Dichlorophenol	ND	330								
2,4-Dimethylphenol	ND	330								
2,4-Dinitrophenol	58	1,600								J
2,4-Dinitrotoluene	29.13	330								J
2,6-Dichlorophenol	ND	330								
2,6-Dinitrotoluene	ND	330								
2-Acetylaminofluorene	ND	330								
2-Chloronaphthalene	ND	330								
2-Chlorophenol	ND	330								
2-Methylnaphthalene	ND	200								
2-Methylphenol	ND	330								
2-Naphthylamine	ND	330								
2-Nitroaniline	ND	1,600								
2-Nitrophenol	ND	330								
2-Picoline	18.2	330								J
3&4-Methylphenol	20.13	330								J
3,3'-Dichlorobenzidine	ND	660								
3-Methylcholanthrene	ND	330								
3-Nitroaniline	ND	1,600								
4,6-Dinitro-2-methylphenol	63.8	1,600								J
4-Aminobiphenyl	ND	660								
4-Bromophenyl phenyl ether	ND	330								
4-Chloro-3-methylphenol	ND	660								
4-Chloroaniline	ND	660								
4-Chlorophenyl phenyl ether	ND	330								
4-Nitroaniline	ND	660								
4-Nitrophenol	ND	1,600								
4-Nitroquinoline 1-oxide	50	1,600								J
5-Nitro-o-toluidine	43.2	330								J
7,12-Dimethylbenz(a)anthracene	ND	330								
Acenaphthene	ND	200								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
Work Order: 24040599
Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: 98167	Instrument ID SVMS1	Method: SW8270C	
Acenaphthylene	ND	200	
Acetophenone	ND	330	
Aniline	ND	330	
Anthracene	ND	200	
Azobenzene	ND	330	
Benzidine	ND	330	
Benzo(a)anthracene	ND	100	
Benzo(a)pyrene	ND	100	
Benzo(b)fluoranthene	ND	200	
Benzo(g,h,i)perylene	ND	200	
Benzo(k)fluoranthene	ND	200	
Benzyl alcohol	17.47	660	J
Bis(2-chloroethoxy)methane	ND	330	
Bis(2-chloroethyl)ether	22.33	330	J
Bis(2-chloroisopropyl)ether	ND	330	
Bis(2-ethylhexyl)phthalate	ND	330	
Butyl benzyl phthalate	ND	330	
Carbazole	ND	200	
Chrysene	ND	200	
Dibenzo(a,h)anthracene	ND	100	
Dibenzofuran	ND	200	
Diethyl phthalate	ND	330	
Dimethyl phthalate	ND	330	
Di-n-butyl phthalate	ND	330	
Di-n-octyl phthalate	ND	330	
Dinoseb	41.6	330	J
Diphenylamine	ND	330	
Ethyl methanesulfonate	ND	330	
Fluoranthene	ND	200	
Fluorene	42.87	200	J
Hexachlorobenzene	ND	330	
Hexachlorobutadiene	ND	330	
Hexachlorocyclopentadiene	ND	330	
Hexachloroethane	ND	330	
Indeno(1,2,3-cd)pyrene	ND	100	
Isophorone	ND	330	
Isosafrole	ND	330	
Methapyrilene	ND	1,600	
Methyl methanesulfonate	ND	330	
Naphthalene	ND	200	
Nitrobenzene	ND	330	
N-Nitrosodiethylamine	ND	330	
N-Nitrosodimethylamine	ND	330	
N-Nitroso-di-n-butylamine	ND	330	
N-Nitrosodi-n-propylamine	ND	330	
N-Nitrosomethylethylamine	ND	330	
N-Nitrosomorpholine	ND	330	
N-Nitrosopiperidine	ND	330	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.

Work Order: 24040599

Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: 98167	Instrument ID SVMS1	Method: SW8270C						
N-Nitrosopyrrolidine	ND	330						
o-Toluidine	ND	1,600						
p-Dimethylaminoazobenzene	ND	330						
Pentachlorobenzene	ND	330						
Pentachloroethane	ND	330						
Pentachloronitrobenzene	ND	660						
Pentachlorophenol	ND	1,600						
Phenacetin	27.47	660					J	
Phenanthrene	ND	200						
Phenol	ND	330						
Pyrene	ND	200						
Pyridine	ND	330						
Safrole	ND	330						
<i>Surr: 2,4,6-Tribromophenol</i>	<i>5607</i>	<i>0</i>	<i>6660</i>	<i>0</i>	<i>84.2</i>	<i>14.2-136</i>	<i>0</i>	
<i>Surr: 2-Fluorobiphenyl</i>	<i>2435</i>	<i>0</i>	<i>3330</i>	<i>0</i>	<i>73.1</i>	<i>30-116</i>	<i>0</i>	
<i>Surr: 2-Fluorophenol</i>	<i>5437</i>	<i>0</i>	<i>6660</i>	<i>0</i>	<i>81.6</i>	<i>5.42-113</i>	<i>0</i>	
<i>Surr: 4-Terphenyl-d14</i>	<i>2555</i>	<i>0</i>	<i>3330</i>	<i>0</i>	<i>76.7</i>	<i>27.3-138</i>	<i>0</i>	
<i>Surr: Nitrobenzene-d5</i>	<i>2747</i>	<i>0</i>	<i>3330</i>	<i>0</i>	<i>82.5</i>	<i>23.7-109</i>	<i>0</i>	
<i>Surr: Phenol-d6</i>	<i>5379</i>	<i>0</i>	<i>6660</i>	<i>0</i>	<i>80.8</i>	<i>13.8-108</i>	<i>0</i>	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **98167** Instrument ID **SVMS1** Method: **SW8270C**

LCS		Sample ID: LCS-98167-98167			Units: µg/Kg		Analysis Date: 4/17/2024 11:51 AM			
Client ID:		Run ID: SVMS1_240417A			SeqNo: 3361771		Prep Date: 4/17/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2569	330	3330	0	77.2	39-104	0			
1,4-Dichlorobenzene	2347	330	3330	0	70.5	38.7-95.1	0			
2,4-Dinitrotoluene	2404	330	3330	0	72.2	52.4-99.5	0			
2-Chlorophenol	2342	330	3330	0	70.3	34.7-116	0			
4-Chloro-3-methylphenol	2625	660	3330	0	78.8	32.1-109	0			
4-Nitrophenol	2734	1,600	3330	0	82.1	36.2-146	0			
Acenaphthene	2328	200	3330	0	69.9	52-119	0			
Acenaphthylene	2443	200	3330	0	73.4	46-118	0			
Anthracene	2456	200	3330	0	73.8	56-109	0			
Benzo(a)anthracene	2636	100	3330	0	79.2	48-121	0			
Benzo(a)pyrene	2563	100	3330	0	77	40.1-114	0			
Benzo(b)fluoranthene	2533	200	3330	0	76.1	44-115	0			
Benzo(g,h,i)perylene	2423	200	3330	0	72.8	47.9-113	0			
Benzo(k)fluoranthene	2630	200	3330	0	79	39.5-116	0			
Carbazole	2606	200	3330	0	78.3	43.3-146	0			
Chrysene	2695	200	3330	0	80.9	49.2-115	0			
Dibenzo(a,h)anthracene	2409	100	3330	0	72.3	41.7-123	0			
Fluoranthene	2608	200	3330	0	78.3	52.7-118	0			
Fluorene	2419	200	3330	0	72.6	56.3-106	0			
Indeno(1,2,3-cd)pyrene	2453	100	3330	0	73.6	41.1-124	0			
N-Nitrosodi-n-propylamine	2322	330	3330	0	69.7	25.3-127	0			
Pentachlorophenol	2682	1,600	3330	0	80.5	22.1-105	0			
Phenanthrene	2428	200	3330	0	72.9	52.8-114	0			
Phenol	2179	330	3330	0	65.4	36.9-97.8	0			
Pyrene	2545	200	3330	0	76.4	50.7-109	0			
<i>Surr: 2,4,6-Tribromophenol</i>	<i>5471</i>	<i>0</i>	<i>6660</i>	<i>0</i>	<i>82.2</i>	<i>14.2-136</i>	<i>0</i>			
<i>Surr: 2-Fluorobiphenyl</i>	<i>2486</i>	<i>0</i>	<i>3330</i>	<i>0</i>	<i>74.7</i>	<i>30-116</i>	<i>0</i>			
<i>Surr: 2-Fluorophenol</i>	<i>4533</i>	<i>0</i>	<i>6660</i>	<i>0</i>	<i>68.1</i>	<i>5.42-113</i>	<i>0</i>			
<i>Surr: 4-Terphenyl-d14</i>	<i>2511</i>	<i>0</i>	<i>3330</i>	<i>0</i>	<i>75.4</i>	<i>27.3-138</i>	<i>0</i>			
<i>Surr: Nitrobenzene-d5</i>	<i>2341</i>	<i>0</i>	<i>3330</i>	<i>0</i>	<i>70.3</i>	<i>23.7-109</i>	<i>0</i>			
<i>Surr: Phenol-d6</i>	<i>4465</i>	<i>0</i>	<i>6660</i>	<i>0</i>	<i>67</i>	<i>13.8-108</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **98167** Instrument ID **SVMS1** Method: **SW8270C**

MS				Sample ID: 24040599-14BMS		Units: µg/Kg		Analysis Date: 4/17/2024 12:04 PM		
Client ID: SB-12 (5-7')		Run ID: SVMS1_240417A		SeqNo: 3361772		Prep Date: 4/17/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2373	330	3334	0	71.2	39-91.8	0			
1,4-Dichlorobenzene	2142	330	3334	0	64.2	32.9-90	0			
2,4-Dinitrotoluene	2203	330	3334	9.03	65.8	29.7-121	0			
2-Chlorophenol	2134	330	3334	0	64	33.3-109	0			
4-Chloro-3-methylphenol	2391	660	3334	0	71.7	35.8-116	0			
4-Nitrophenol	2233	1,700	3334	26.82	66.2	34.1-120	0			
Acenaphthene	2096	200	3334	0	62.9	44-108	0			
Acenaphthylene	2224	200	3334	0	66.7	43.6-110	0			
Anthracene	2268	200	3334	0	68	35.8-104	0			
Benzo(a)anthracene	2429	100	3334	0	72.8	47-114	0			
Benzo(a)pyrene	2322	100	3334	0	69.7	43.8-115	0			
Benzo(b)fluoranthene	2278	200	3334	0	68.3	40-106	0			
Benzo(g,h,i)perylene	2184	200	3334	0	65.5	38.2-110	0			
Benzo(k)fluoranthene	2441	200	3334	0	73.2	48.6-107	0			
Carbazole	2385	200	3334	0	71.5	28.5-114	0			
Chrysene	2471	200	3334	12.78	73.7	44.3-97.5	0			
Dibenzo(a,h)anthracene	2188	100	3334	0	65.6	46-116	0			
Fluoranthene	2371	200	3334	0	71.1	40.2-129	0			
Fluorene	2210	200	3334	0	66.3	42.8-106	0			
Indeno(1,2,3-cd)pyrene	2204	100	3334	0	66.1	33-115	0			
Naphthalene	2150	200	3334	0	64.5	18.2-126	0			
N-Nitrosodi-n-propylamine	2159	330	3334	0	64.8	3.32-83.9	0			
Pentachlorophenol	2395	1,700	3334	0	71.8	9.31-107	0			
Phenanthrene	2231	200	3334	0	66.9	31.2-127	0			
Phenol	1958	330	3334	0	58.7	25.9-90.3	0			
Pyrene	2330	200	3334	0	69.9	33.7-129	0			
<i>Surr: 2,4,6-Tribromophenol</i>	<i>5008</i>	<i>0</i>	<i>6669</i>	<i>0</i>	<i>75.1</i>	<i>14.2-136</i>	<i>0</i>			
<i>Surr: 2-Fluorobiphenyl</i>	<i>2237</i>	<i>0</i>	<i>3334</i>	<i>0</i>	<i>67.1</i>	<i>30-116</i>	<i>0</i>			
<i>Surr: 2-Fluorophenol</i>	<i>4137</i>	<i>0</i>	<i>6669</i>	<i>0</i>	<i>62</i>	<i>5.42-113</i>	<i>0</i>			
<i>Surr: 4-Terphenyl-d14</i>	<i>2337</i>	<i>0</i>	<i>3334</i>	<i>0</i>	<i>70.1</i>	<i>27.3-138</i>	<i>0</i>			
<i>Surr: Nitrobenzene-d5</i>	<i>2136</i>	<i>0</i>	<i>3334</i>	<i>0</i>	<i>64.1</i>	<i>23.7-109</i>	<i>0</i>			
<i>Surr: Phenol-d6</i>	<i>4044</i>	<i>0</i>	<i>6669</i>	<i>0</i>	<i>60.6</i>	<i>13.8-108</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **98167** Instrument ID **SVMS1** Method: **SW8270C**

MSD				Sample ID: 24040599-14BMSD			Units: µg/Kg		Analysis Date: 4/17/2024 12:18 PM		
Client ID: SB-12 (5-7')			Run ID: SVMS1_240417A		SeqNo: 3361773		Prep Date: 4/17/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,2,4-Trichlorobenzene	2405	330	3317	0	72.5	39-91.8	2373	1.34	20		
1,4-Dichlorobenzene	2175	330	3317	0	65.6	32.9-90	2142	1.51	20		
2,4-Dinitrotoluene	2173	330	3317	9.03	65.2	29.7-121	2203	1.4	20		
2-Chlorophenol	2199	330	3317	0	66.3	33.3-109	2134	2.99	20		
4-Chloro-3-methylphenol	2435	660	3317	0	73.4	35.8-116	2391	1.84	20		
4-Nitrophenol	2327	1,600	3317	26.82	69.3	34.1-120	2233	4.13	20		
Acenaphthene	2138	200	3317	0	64.5	44-108	2096	1.98	20		
Acenaphthylene	2260	200	3317	0	68.1	43.6-110	2224	1.61	20		
Anthracene	2252	200	3317	0	67.9	35.8-104	2268	0.715	20		
Benzo(a)anthracene	2431	100	3317	0	73.3	47-114	2429	0.103	20		
Benzo(a)pyrene	2342	100	3317	0	70.6	43.8-115	2322	0.815	20		
Benzo(b)fluoranthene	2322	200	3317	0	70	40-106	2278	1.92	20		
Benzo(g,h,i)perylene	2211	200	3317	0	66.7	38.2-110	2184	1.24	20		
Benzo(k)fluoranthene	2429	200	3317	0	73.2	48.6-107	2441	0.489	20		
Carbazole	2394	200	3317	0	72.2	28.5-114	2385	0.381	20		
Chrysene	2476	200	3317	12.78	74.3	44.3-97.5	2471	0.186	20		
Dibenzo(a,h)anthracene	2204	100	3317	0	66.5	46-116	2188	0.747	20		
Fluoranthene	2376	200	3317	0	71.6	40.2-129	2371	0.205	20		
Fluorene	2216	200	3317	0	66.8	42.8-106	2210	0.265	20		
Indeno(1,2,3-cd)pyrene	2232	100	3317	0	67.3	33-115	2204	1.24	20		
Naphthalene	2157	200	3317	0	65	18.2-126	2150	0.351	20		
N-Nitrosodi-n-propylamine	2155	330	3317	0	65	3.32-83.9	2159	0.211	20		
Pentachlorophenol	2398	1,600	3317	0	72.3	9.31-107	2395	0.126	20		
Phenanthrene	2235	200	3317	0	67.4	31.2-127	2231	0.162	20		
Phenol	2017	330	3317	0	60.8	25.9-90.3	1958	2.95	20		
Pyrene	2307	200	3317	0	69.6	33.7-129	2330	1	20		
Surr: 2,4,6-Tribromophenol	5041	0	6633	0	76	14.2-136	5008	0.651			
Surr: 2-Fluorobiphenyl	2291	0	3317	0	69.1	30-116	2237	2.41			
Surr: 2-Fluorophenol	4242	0	6633	0	63.9	5.42-113	4137	2.51			
Surr: 4-Terphenyl-d14	2344	0	3317	0	70.7	27.3-138	2337	0.303			
Surr: Nitrobenzene-d5	2179	0	3317	0	65.7	23.7-109	2136	1.98			
Surr: Phenol-d6	4144	0	6633	0	62.5	13.8-108	4044	2.44			

The following samples were analyzed in this batch:

24040599-03B	24040599-04B	24040599-05B
24040599-06B	24040599-07B	24040599-08B
24040599-10B	24040599-13B	24040599-14B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **98229** Instrument ID **SVMS2** Method: **SW8270C**

MBLK		Sample ID: MBLK-98229-98229			Units: µg/Kg		Analysis Date: 4/19/2024 09:59 AM			
Client ID:		Run ID: SVMS2_240419A			SeqNo: 3364980		Prep Date: 4/18/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	ND	330								
1,2,4-Trichlorobenzene	ND	330								
1,2-Dichlorobenzene	ND	330								
1,3-Dichlorobenzene	ND	330								
1,3-Dinitrobenzene	ND	330								
1,4-Dichlorobenzene	ND	330								
1-Methylnaphthalene	ND	200								
1-Naphthylamine	276.1	330								J
2,3,4,6-Tetrachlorophenol	ND	330								
2,4,5-Trichlorophenol	ND	330								
2,4,6-Trichlorophenol	ND	330								
2,4-Dichlorophenol	ND	330								
2,4-Dimethylphenol	ND	330								
2,4-Dinitrophenol	ND	1,600								
2,4-Dinitrotoluene	ND	330								
2,6-Dichlorophenol	ND	330								
2,6-Dinitrotoluene	ND	330								
2-Acetylaminofluorene	32.47	330								J
2-Chloronaphthalene	ND	330								
2-Chlorophenol	ND	330								
2-Methylnaphthalene	ND	200								
2-Methylphenol	ND	330								
2-Naphthylamine	ND	330								
2-Nitroaniline	ND	1,600								
2-Nitrophenol	ND	330								
2-Picoline	ND	330								
3&4-Methylphenol	16	330								J
3,3'-Dichlorobenzidine	ND	660								
3-Methylcholanthrene	ND	330								
3-Nitroaniline	ND	1,600								
4,6-Dinitro-2-methylphenol	51.33	1,600								J
4-Aminobiphenyl	ND	660								
4-Bromophenyl phenyl ether	ND	330								
4-Chloro-3-methylphenol	ND	660								
4-Chloroaniline	ND	660								
4-Chlorophenyl phenyl ether	ND	330								
4-Nitroaniline	ND	660								
4-Nitrophenol	ND	1,600								
4-Nitroquinoline 1-oxide	33.93	1,600								J
5-Nitro-o-toluidine	ND	330								
7,12-Dimethylbenz(a)anthracene	ND	330								
Acenaphthene	ND	200								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
Work Order: 24040599
Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: 98229	Instrument ID SVMS2	Method: SW8270C	
Acenaphthylene	ND	200	
Acetophenone	ND	330	
Aniline	ND	330	
Anthracene	ND	200	
Azobenzene	ND	330	
Benzidine	59.2	330	J
Benzo(a)anthracene	ND	100	
Benzo(a)pyrene	ND	100	
Benzo(b)fluoranthene	ND	200	
Benzo(g,h,i)perylene	ND	200	
Benzo(k)fluoranthene	ND	200	
Benzyl alcohol	ND	660	
Bis(2-chloroethoxy)methane	ND	330	
Bis(2-chloroethyl)ether	ND	330	
Bis(2-chloroisopropyl)ether	ND	330	
Bis(2-ethylhexyl)phthalate	ND	330	
Butyl benzyl phthalate	ND	330	
Carbazole	ND	200	
Chrysene	ND	200	
Dibenzo(a,h)anthracene	ND	100	
Dibenzofuran	ND	200	
Diethyl phthalate	ND	330	
Dimethyl phthalate	ND	330	
Di-n-butyl phthalate	ND	330	
Di-n-octyl phthalate	23.47	330	J
Dinoseb	42.2	330	J
Diphenylamine	ND	330	
Ethyl methanesulfonate	ND	330	
Fluoranthene	ND	200	
Fluorene	40	200	J
Hexachlorobenzene	ND	330	
Hexachlorobutadiene	ND	330	
Hexachlorocyclopentadiene	ND	330	
Hexachloroethane	ND	330	
Indeno(1,2,3-cd)pyrene	ND	100	
Isophorone	ND	330	
Isosafrole	ND	330	
Methapyrilene	ND	1,600	
Methyl methanesulfonate	ND	330	
Naphthalene	ND	200	
Nitrobenzene	67.4	330	J
N-Nitrosodiethylamine	ND	330	
N-Nitrosodimethylamine	ND	330	
N-Nitroso-di-n-butylamine	ND	330	
N-Nitrosodi-n-propylamine	ND	330	
N-Nitrosomethylethylamine	ND	330	
N-Nitrosomorpholine	ND	330	
N-Nitrosopiperidine	ND	330	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.

Work Order: 24040599

Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: 98229	Instrument ID SVMS2	Method: SW8270C						
N-Nitrosopyrrolidine	ND	330						
o-Toluidine	ND	1,600						
p-Dimethylaminoazobenzene	92.07	330						J
Pentachlorobenzene	ND	330						
Pentachloroethane	ND	330						
Pentachloronitrobenzene	ND	660						
Pentachlorophenol	ND	1,600						
Phenacetin	ND	660						
Phenanthrene	ND	200						
Phenol	ND	330						
Pyrene	ND	200						
Pyridine	ND	330						
Safrole	ND	330						
<i>Surr: 2,4,6-Tribromophenol</i>	5325	0	6660	0	79.9	14.2-136	0	
<i>Surr: 2-Fluorobiphenyl</i>	2476	0	3330	0	74.4	30-116	0	
<i>Surr: 2-Fluorophenol</i>	5469	0	6660	0	82.1	5.42-113	0	
<i>Surr: 4-Terphenyl-d14</i>	2652	0	3330	0	79.6	27.3-138	0	
<i>Surr: Nitrobenzene-d5</i>	2796	0	3330	0	84	23.7-109	0	
<i>Surr: Phenol-d6</i>	5570	0	6660	0	83.6	13.8-108	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **98229** Instrument ID **SVMS2** Method: **SW8270C**

LCS		Sample ID: LCS-98229-98229			Units: µg/Kg			Analysis Date: 4/19/2024 10:17 AM		
Client ID:		Run ID: SVMS2_240419A			SeqNo: 3364981		Prep Date: 4/18/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2482	330	3330	0	74.5	39-104	0			
1,4-Dichlorobenzene	2324	330	3330	0	69.8	38.7-95.1	0			
2,4-Dinitrotoluene	2547	330	3330	0	76.5	52.4-99.5	0			
2-Chlorophenol	2300	330	3330	0	69.1	34.7-116	0			
4-Chloro-3-methylphenol	2512	660	3330	0	75.4	32.1-109	0			
4-Nitrophenol	2838	1,600	3330	0	85.2	36.2-146	0			
Acenaphthene	2406	200	3330	0	72.3	52-119	0			
Acenaphthylene	2475	200	3330	0	74.3	46-118	0			
Anthracene	2483	200	3330	0	74.6	56-109	0			
Benzo(a)anthracene	2460	100	3330	0	73.9	48-121	0			
Benzo(a)pyrene	2658	100	3330	0	79.8	40.1-114	0			
Benzo(b)fluoranthene	2482	200	3330	0	74.5	44-115	0			
Benzo(g,h,i)perylene	2721	200	3330	0	81.7	47.9-113	0			
Benzo(k)fluoranthene	2672	200	3330	0	80.2	39.5-116	0			
Carbazole	2655	200	3330	0	79.7	43.3-146	0			
Chrysene	2481	200	3330	0	74.5	49.2-115	0			
Dibenzo(a,h)anthracene	2712	100	3330	0	81.4	41.7-123	0			
Fluoranthene	2613	200	3330	0	78.5	52.7-118	0			
Fluorene	2490	200	3330	0	74.8	56.3-106	0			
Indeno(1,2,3-cd)pyrene	2795	100	3330	0	83.9	41.1-124	0			
N-Nitrosodi-n-propylamine	1638	330	3330	0	49.2	25.3-127	0			
Pentachlorophenol	2451	1,600	3330	0	73.6	22.1-105	0			
Phenanthrene	2467	200	3330	0	74.1	52.8-114	0			
Phenol	2321	330	3330	0	69.7	36.9-97.8	0			
Pyrene	2559	200	3330	0	76.8	50.7-109	0			
<i>Surr: 2,4,6-Tribromophenol</i>	5243	0	6660	0	78.7	14.2-136	0			
<i>Surr: 2-Fluorobiphenyl</i>	2476	0	3330	0	74.4	30-116	0			
<i>Surr: 2-Fluorophenol</i>	4574	0	6660	0	68.7	5.42-113	0			
<i>Surr: 4-Terphenyl-d14</i>	2570	0	3330	0	77.2	27.3-138	0			
<i>Surr: Nitrobenzene-d5</i>	2520	0	3330	0	75.7	23.7-109	0			
<i>Surr: Phenol-d6</i>	4769	0	6660	0	71.6	13.8-108	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **98229** Instrument ID **SVMS2** Method: **SW8270C**

MS				Sample ID: 24040600-06BMS		Units: µg/Kg		Analysis Date: 4/19/2024 10:35 AM		
Client ID:		Run ID: SVMS2_240419A		SeqNo: 3364982		Prep Date: 4/18/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2374	330	3328	0	71.3	39-91.8	0			
1,4-Dichlorobenzene	2253	330	3328	0	67.7	32.9-90	0			
2,4-Dinitrotoluene	2362	330	3328	0	71	29.7-121	0			
2-Chlorophenol	2220	330	3328	0	66.7	33.3-109	0			
4-Chloro-3-methylphenol	2324	660	3328	0	69.8	35.8-116	0			
4-Nitrophenol	2512	1,600	3328	0	75.5	34.1-120	0			
Acenaphthene	2269	200	3328	0	68.2	44-108	0			
Acenaphthylene	2332	200	3328	0	70.1	43.6-110	0			
Anthracene	2359	200	3328	0	70.9	35.8-104	0			
Benzo(a)anthracene	2331	100	3328	0	70	47-114	0			
Benzo(a)pyrene	2519	100	3328	0	75.7	43.8-115	0			
Benzo(b)fluoranthene	2356	200	3328	0	70.8	40-106	0			
Benzo(g,h,i)perylene	2594	200	3328	0	77.9	38.2-110	0			
Benzo(k)fluoranthene	2555	200	3328	0	76.8	48.6-107	0			
Carbazole	2577	200	3328	0	77.4	28.5-114	0			
Chrysene	2403	200	3328	0	72.2	44.3-97.5	0			
Dibenzo(a,h)anthracene	2497	100	3328	0	75	46-116	0			
Fluoranthene	2500	200	3328	0	75.1	40.2-129	0			
Fluorene	2348	200	3328	0	70.6	42.8-106	0			
Indeno(1,2,3-cd)pyrene	2632	100	3328	0	79.1	33-115	0			
Naphthalene	2268	200	3328	0	68.1	18.2-126	0			
N-Nitrosodi-n-propylamine	1626	330	3328	0	48.9	3.32-83.9	0			
Pentachlorophenol	1883	1,600	3328	0	56.6	9.31-107	0			
Phenanthrene	2352	200	3328	0	70.7	31.2-127	0			
Phenol	2146	330	3328	0	64.5	25.9-90.3	0			
Pyrene	2481	200	3328	0	74.5	33.7-129	0			
<i>Surr: 2,4,6-Tribromophenol</i>	4673	0	6656	0	70.2	14.2-136	0			
<i>Surr: 2-Fluorobiphenyl</i>	2312	0	3328	0	69.5	30-116	0			
<i>Surr: 2-Fluorophenol</i>	4159	0	6656	0	62.5	5.42-113	0			
<i>Surr: 4-Terphenyl-d14</i>	2490	0	3328	0	74.8	27.3-138	0			
<i>Surr: Nitrobenzene-d5</i>	2425	0	3328	0	72.9	23.7-109	0			
<i>Surr: Phenol-d6</i>	4462	0	6656	0	67	13.8-108	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **98229** Instrument ID **SVMS2** Method: **SW8270C**

MSD				Sample ID: 24040600-06BMSD		Units: µg/Kg		Analysis Date: 4/19/2024 10:53 AM		
Client ID:		Run ID: SVMS2_240419A		SeqNo: 3364983		Prep Date: 4/18/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2394	330	3328	0	71.9	39-91.8	2374	0.847	20	
1,4-Dichlorobenzene	2298	330	3328	0	69.1	32.9-90	2253	1.98	20	
2,4-Dinitrotoluene	2328	330	3328	0	69.9	29.7-121	2362	1.47	20	
2-Chlorophenol	2278	330	3328	0	68.5	33.3-109	2220	2.59	20	
4-Chloro-3-methylphenol	2357	660	3328	0	70.8	35.8-116	2324	1.43	20	
4-Nitrophenol	2452	1,600	3328	0	73.7	34.1-120	2512	2.43	20	
Acenaphthene	2286	200	3328	0	68.7	44-108	2269	0.717	20	
Acenaphthylene	2345	200	3328	0	70.5	43.6-110	2332	0.522	20	
Anthracene	2439	200	3328	0	73.3	35.8-104	2359	3.33	20	
Benzo(a)anthracene	2392	100	3328	0	71.9	47-114	2331	2.59	20	
Benzo(a)pyrene	2593	100	3328	0	77.9	43.8-115	2519	2.91	20	
Benzo(b)fluoranthene	2386	200	3328	0	71.7	40-106	2356	1.26	20	
Benzo(g,h,i)perylene	2662	200	3328	0	80	38.2-110	2594	2.61	20	
Benzo(k)fluoranthene	2586	200	3328	0	77.7	48.6-107	2555	1.19	20	
Carbazole	2613	200	3328	0	78.5	28.5-114	2577	1.39	20	
Chrysene	2454	200	3328	0	73.7	44.3-97.5	2403	2.1	20	
Dibenzo(a,h)anthracene	2588	100	3328	0	77.8	46-116	2497	3.55	20	
Fluoranthene	2497	200	3328	0	75	40.2-129	2500	0.0852	20	
Fluorene	2351	200	3328	0	70.6	42.8-106	2348	0.102	20	
Indeno(1,2,3-cd)pyrene	2698	100	3328	0	81.1	33-115	2632	2.49	20	
Naphthalene	2290	200	3328	0	68.8	18.2-126	2268	0.965	20	
N-Nitrosodi-n-propylamine	1646	330	3328	0	49.5	3.32-83.9	1626	1.18	20	
Pentachlorophenol	1876	1,600	3328	0	56.4	9.31-107	1883	0.355	20	
Phenanthrene	2413	200	3328	0	72.5	31.2-127	2352	2.57	20	
Phenol	2251	330	3328	0	67.6	25.9-90.3	2146	4.78	20	
Pyrene	2471	200	3328	0	74.2	33.7-129	2481	0.398	20	
<i>Surr: 2,4,6-Tribromophenol</i>	4666	0	6656	0	70.1	14.2-136	4673	0.16		
<i>Surr: 2-Fluorobiphenyl</i>	2346	0	3328	0	70.5	30-116	2312	1.46		
<i>Surr: 2-Fluorophenol</i>	4435	0	6656	0	66.6	5.42-113	4159	6.41		
<i>Surr: 4-Terphenyl-d14</i>	2446	0	3328	0	73.5	27.3-138	2490	1.77		
<i>Surr: Nitrobenzene-d5</i>	2452	0	3328	0	73.7	23.7-109	2425	1.14		
<i>Surr: Phenol-d6</i>	4644	0	6656	0	69.8	13.8-108	4462	4.01		

The following samples were analyzed in this batch:

24040599-09B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
Work Order: 24040599
Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **98236** Instrument ID **SVMS2** Method: **SW8270C**

MBLK		Sample ID: MBLK-98236-98236			Units: µg/Kg		Analysis Date: 4/19/2024 09:59 AM			
Client ID:		Run ID: SVMS2_240419A			SeqNo: 3364947		Prep Date: 4/18/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	ND	200								
2-Methylnaphthalene	ND	200								
Acenaphthene	ND	200								
Acenaphthylene	ND	200								
Anthracene	ND	200								
Benzo(a)anthracene	ND	100								
Benzo(a)pyrene	ND	100								
Benzo(b)fluoranthene	ND	200								
Benzo(g,h,i)perylene	ND	200								
Benzo(k)fluoranthene	ND	200								
Carbazole	ND	200								
Chrysene	ND	200								
Dibenzo(a,h)anthracene	ND	100								
Dibenzofuran	ND	200								
Fluoranthene	ND	200								
Fluorene	40	200								J
Indeno(1,2,3-cd)pyrene	ND	100								
Naphthalene	ND	200								
Phenanthrene	ND	200								
Pyrene	ND	200								
<i>Surr: 2-Fluorobiphenyl</i>	2476	0	3330		0	74.4	30-116		0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **98236** Instrument ID **SVMS2** Method: **SW8270C**

LCS		Sample ID: LCS-98236-98236				Units: µg/Kg		Analysis Date: 4/19/2024 10:17 AM		
Client ID:		Run ID: SVMS2_240419A			SeqNo: 3364948		Prep Date: 4/18/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	2566	200	3330	0	77	41-97.5	0			
2-Methylnaphthalene	2636	200	3330	0	79.2	50.1-100	0			
Acenaphthene	2406	200	3330	0	72.3	52-119	0			
Acenaphthylene	2475	200	3330	0	74.3	46-118	0			
Anthracene	2483	200	3330	0	74.6	53.8-114	0			
Benzo(a)anthracene	2460	100	3330	0	73.9	48-121	0			
Benzo(a)pyrene	2658	100	3330	0	79.8	40.1-114	0			
Benzo(b)fluoranthene	2482	200	3330	0	74.5	44-115	0			
Benzo(g,h,i)perylene	2721	200	3330	0	81.7	41.8-122	0			
Benzo(k)fluoranthene	2672	200	3330	0	80.2	39.5-116	0			
Carbazole	2655	200	3330	0	79.7	60.8-105	0			
Chrysene	2481	200	3330	0	74.5	49.2-115	0			
Dibenzo(a,h)anthracene	2712	100	3330	0	81.4	41.7-123	0			
Dibenzofuran	2517	200	3330	0	75.6	53.2-100	0			
Fluoranthene	2613	200	3330	0	78.5	52.7-118	0			
Fluorene	2490	200	3330	0	74.8	51.6-109	0			
Indeno(1,2,3-cd)pyrene	2795	100	3330	0	83.9	41.1-124	0			
Naphthalene	2409	200	3330	0	72.3	42.5-103	0			
Phenanthrene	2467	200	3330	0	74.1	49.7-100	0			
Pyrene	2559	200	3330	0	76.8	50.7-109	0			
<i>Surr: 2-Fluorobiphenyl</i>	<i>2476</i>	<i>0</i>	<i>3330</i>	<i>0</i>	<i>74.4</i>	<i>30-116</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **98236** Instrument ID **SVMS2** Method: **SW8270C**

MS				Sample ID: 24040600-06BMSS			Units: µg/Kg		Analysis Date: 4/19/2024 10:35 AM		
Client ID:		Run ID: SVMS2_240419A		SeqNo: 3364949		Prep Date: 4/18/2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1-Methylnaphthalene	2419	200	3328	0	72.7	34.7-108	0				
2-Methylnaphthalene	2477	200	3328	0	74.4	38.6-102	0				
Acenaphthene	2269	200	3328	0	68.2	44-108	0				
Acenaphthylene	2332	200	3328	0	70.1	43.6-110	0				
Anthracene	2359	200	3328	0	70.9	39.5-104	0				
Benzo(a)anthracene	2331	100	3328	0	70	47-114	0				
Benzo(a)pyrene	2519	100	3328	0	75.7	43.8-115	0				
Benzo(b)fluoranthene	2356	200	3328	0	70.8	40-106	0				
Benzo(g,h,i)perylene	2594	200	3328	0	77.9	38.2-110	0				
Benzo(k)fluoranthene	2555	200	3328	0	76.8	48.6-107	0				
Carbazole	2577	200	3328	0	77.4	41.9-101	0				
Chrysene	2403	200	3328	0	72.2	18.8-140	0				
Dibenzo(a,h)anthracene	2497	100	3328	0	75	46-116	0				
Dibenzofuran	2374	200	3328	0	71.3	43.2-101	0				
Fluoranthene	2500	200	3328	0	75.1	35.1-111	0				
Fluorene	2348	200	3328	0	70.6	42.8-106	0				
Indeno(1,2,3-cd)pyrene	2632	100	3328	0	79.1	33-115	0				
Naphthalene	2268	200	3328	0	68.1	18.2-126	0				
Phenanthrene	2352	200	3328	0	70.7	31.2-127	0				
Pyrene	2481	200	3328	0	74.5	33.7-129	0				
<i>Surr: 2-Fluorobiphenyl</i>	2312	0	3328	0	69.5	30-116	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **98236** Instrument ID **SVMS2** Method: **SW8270C**

MSD				Sample ID: 24040600-06BMSDD			Units: µg/Kg		Analysis Date: 4/19/2024 10:53 AM		
Client ID:		Run ID: SVMS2_240419A		SeqNo: 3364950		Prep Date: 4/18/2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1-Methylnaphthalene	2478	200	3328	0	74.5	34.7-108	2419	2.41	20		
2-Methylnaphthalene	2508	200	3328	0	75.4	38.6-102	2477	1.23	20		
Acenaphthene	2286	200	3328	0	68.7	40-108	2269	0.717	20		
Acenaphthylene	2345	200	3328	0	70.5	43.6-110	2332	0.522	20		
Anthracene	2439	200	3328	0	73.3	39.5-104	2359	3.33	20		
Benzo(a)anthracene	2392	100	3328	0	71.9	47-114	2331	2.59	20		
Benzo(a)pyrene	2593	100	3328	0	77.9	43.8-115	2519	2.91	20		
Benzo(b)fluoranthene	2386	200	3328	0	71.7	40-106	2356	1.26	20		
Benzo(g,h,i)perylene	2662	200	3328	0	80	38.2-110	2594	2.61	20		
Benzo(k)fluoranthene	2586	200	3328	0	77.7	48.6-107	2555	1.19	20		
Carbazole	2613	200	3328	0	78.5	41.9-101	2577	1.39	20		
Chrysene	2454	200	3328	0	73.7	18.8-140	2403	2.1	20		
Dibenzo(a,h)anthracene	2588	100	3328	0	77.8	46-116	2497	3.55	20		
Dibenzofuran	2382	200	3328	0	71.6	43.2-101	2374	0.361	20		
Fluoranthene	2497	200	3328	0	75	35.1-111	2500	0.0852	20		
Fluorene	2351	200	3328	0	70.6	42.8-106	2348	0.102	20		
Indeno(1,2,3-cd)pyrene	2698	100	3328	0	81.1	33-115	2632	2.49	20		
Naphthalene	2290	200	3328	0	68.8	18.2-126	2268	0.965	20		
Phenanthrene	2413	200	3328	0	72.5	31.2-127	2352	2.57	20		
Pyrene	2471	200	3328	0	74.2	33.7-129	2481	0.398	20		
<i>Surr: 2-Fluorobiphenyl</i>	2346	0	3328	0	70.5	30-116	2312	1.46			

The following samples were analyzed in this batch:

24040599-01C	24040599-02C	24040599-11C
24040599-12C		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **R228463** Instrument ID **VMS6** Method: **SW8260B**

MBLK		Sample ID: MBLK-R228463			Units: µg/L		Analysis Date: 4/16/2024 01:09 PM			
Client ID:		Run ID: VMS6_240416A			SeqNo: 3359585		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	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	0.20								
1,2-Dibromoethane	ND	0.050								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	0.305	5.0								J
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.

Work Order: 24040599

Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: R228463	Instrument ID VMS6	Method: SW8260B						
Dibromomethane	ND	5.0						
Dichlorodifluoromethane	ND	5.0						
Ethylbenzene	ND	5.0						
Hexachlorobutadiene	ND	5.0						
Isopropylbenzene	ND	5.0						
m,p-Xylene	ND	10						
Methyl tert-butyl ether	ND	5.0						
Methylene chloride	ND	5.0						
Naphthalene	ND	5.0						
n-Butylbenzene	ND	5.0						
n-Propylbenzene	ND	5.0						
o-Xylene	ND	5.0						
p-Isopropyltoluene	ND	5.0						
sec-Butylbenzene	ND	5.0						
Styrene	ND	5.0						
tert-Butylbenzene	ND	5.0						
Tetrachloroethene	ND	5.0						
Toluene	ND	5.0						
trans-1,2-Dichloroethene	ND	5.0						
trans-1,3-Dichloropropene	ND	5.0						
Trichloroethene	ND	5.0						
Trichlorofluoromethane	ND	5.0						
Vinyl chloride	ND	2.0						
Xylenes, Total	ND	15						
<i>Surr: 4-Bromofluorobenzene</i>	<i>53.96</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>108</i>	<i>61-131</i>	<i>0</i>	
<i>Surr: Dibromofluoromethane</i>	<i>48.86</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>97.7</i>	<i>72-137</i>	<i>0</i>	
<i>Surr: Toluene-d8</i>	<i>51.92</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>104</i>	<i>93.7-124</i>	<i>0</i>	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **R228463** Instrument ID **VMS6** Method: **SW8260B**

LCS		Sample ID: LCS-R228463				Units: µg/L		Analysis Date: 4/16/2024 10:45 AM		
Client ID:		Run ID: VMS6_240416A			SeqNo: 3359582		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-Trichloroethane	56.23	5.0	50	0	112	48.4-140	0			
1,1-Dichloroethene	52.16	5.0	50	0	104	45.5-150	0			
1,2-Dichloroethane	48.43	5.0	50	0	96.9	46.5-141	0			
1,3-Dichlorobenzene	51.23	5.0	50	0	102	42.5-133	0			
1,4-Dichlorobenzene	51.09	5.0	50	0	102	38.9-136	0			
Benzene	48.77	5.0	50	0	97.5	50.7-134	0			
Carbon tetrachloride	57.16	5.0	50	0	114	45.5-143	0			
Chlorobenzene	50.04	5.0	50	0	100	45-133	0			
Chloroform	53.97	5.0	50	0	108	52.4-136	0			
cis-1,2-Dichloroethene	51.3	5.0	50	0	103	49.7-138	0			
Ethylbenzene	54.02	5.0	50	0	108	37.8-145	0			
m,p-Xylene	112.4	10	100	0	112	25.1-163	0			
Methyl tert-butyl ether	43.81	5.0	50	0	87.6	26.7-174	0			
Styrene	59.02	5.0	50	0	118	26.3-172	0			
Tetrachloroethene	34.06	5.0	50	0	68.1	37.3-139	0			
Toluene	47.03	5.0	50	0	94.1	44-135	0			
Trichloroethene	55.38	5.0	50	0	111	45.9-140	0			
Xylenes, Total	167.1	15	150	0	111	47.3-132	0			
<i>Surr: 4-Bromofluorobenzene</i>	49	0	50	0	98	61-131	0			
<i>Surr: Dibromofluoromethane</i>	51.68	0	50	0	103	72-137	0			
<i>Surr: Toluene-d8</i>	49.49	0	50	0	99	93.7-124	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **R228463** Instrument ID **VMS6** Method: **SW8260B**

MS		Sample ID: 24040263-01A MS				Units: µg/L		Analysis Date: 4/16/2024 11:26 AM		
Client ID:		Run ID: VMS6_240416A			SeqNo: 3359583		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-Trichloroethane	55.54	5.0	50	0	111	40.4-134	0			
1,1-Dichloroethane	51.27	5.0	50	0	103	45.3-151	0			
1,2-Dichloroethane	47.47	5.0	50	0.264	94.4	37-139	0			
1,3-Dichlorobenzene	53.18	5.0	50	0	106	42.9-121	0			
1,4-Dichlorobenzene	51.75	5.0	50	0	104	53.4-129	0			
Benzene	49.36	5.0	50	0.185	98.3	37.4-144	0			
Carbon tetrachloride	54.17	5.0	50	0	108	33.8-150	0			
Chlorobenzene	52.16	5.0	50	0	104	52.4-132	0			
Chloroform	53.13	5.0	50	0	106	45.5-135	0			
cis-1,2-Dichloroethene	50.91	5.0	50	0	102	35.2-150	0			
Ethylbenzene	56.23	5.0	50	0.239	112	46.5-146	0			
m,p-Xylene	115.8	10	100	0.393	115	38.2-167	0			
Styrene	62.04	5.0	50	0	124	20.9-184	0			
Tetrachloroethene	34.46	5.0	50	0	68.9	55.2-134	0			
Toluene	48.26	5.0	50	0.596	95.3	32.7-140	0			
Trichloroethene	54.4	5.0	50	0	109	29.1-153	0			
Xylenes, Total	174.8	15	150	0	117	43.6-148	0			
<i>Surr: 4-Bromofluorobenzene</i>	49.22	0	50	0	98.4	61-131	0			
<i>Surr: Dibromofluoromethane</i>	51.04	0	50	0	102	72-137	0			
<i>Surr: Toluene-d8</i>	49.32	0	50	0	98.6	93.7-124	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **R228463** Instrument ID **VMS6** Method: **SW8260B**

MSD		Sample ID: 24040263-01A MSD				Units: µg/L		Analysis Date: 4/16/2024 11:47 AM		
Client ID:		Run ID: VMS6_240416A			SeqNo: 3359584		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-Trichloroethane	52.47	5.0	50	0	105	40.4-134	55.54	5.69	20	
1,1-Dichloroethene	50.39	5.0	50	0	101	45.3-151	51.27	1.74	20	
1,2-Dichloroethane	46.57	5.0	50	0.264	92.6	37-139	47.47	1.93	20	
1,3-Dichlorobenzene	53	5.0	50	0	106	42.9-121	53.18	0.339	20	
1,4-Dichlorobenzene	50.7	5.0	50	0	101	53.4-129	51.75	2.05	20	
Benzene	48.73	5.0	50	0.185	97.1	37.4-144	49.36	1.28	20	
Carbon tetrachloride	51.57	5.0	50	0	103	33.8-150	54.17	4.93	20	
Chlorobenzene	51.54	5.0	50	0	103	52.4-132	52.16	1.2	20	
Chloroform	54.67	5.0	50	0	109	45.5-135	53.13	2.86	20	
cis-1,2-Dichloroethene	52.05	5.0	50	0	104	35.2-150	50.91	2.22	20	
Ethylbenzene	55.4	5.0	50	0.239	110	46.5-146	56.23	1.48	20	
m,p-Xylene	113.8	10	100	0.393	113	38.2-167	115.8	1.77	20	
Styrene	61.08	5.0	50	0	122	20.9-184	62.04	1.56	20	
Tetrachloroethene	33.29	5.0	50	0	66.6	55.2-134	34.46	3.44	20	
Toluene	47.58	5.0	50	0.596	94	32.7-140	48.26	1.41	20	
Trichloroethene	53.58	5.0	50	0	107	29.1-153	54.4	1.51	20	
Xylenes, Total	172.3	15	150	0	115	43.6-148	174.8	1.42	20	
Surr: 4-Bromofluorobenzene	47.71	0	50	0	95.4	61-131	49.22	3.11		
Surr: Dibromofluoromethane	50.51	0	50	0	101	72-137	51.04	1.03		
Surr: Toluene-d8	49.81	0	50	0	99.6	93.7-124	49.32	0.995		

The following samples were analyzed in this batch:

24040599-15A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **R228578** Instrument ID **VMS5** Method: **SW8260B**

MBLK		Sample ID: MBLKRRR-R228578			Units: µg/Kg		Analysis Date: 4/17/2024 03:49 PM			
Client ID:		Run ID: VMS5_240417A			SeqNo: 3362658		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	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.

Work Order: 24040599

Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: R228578	Instrument ID VMS5	Method: SW8260B						
Dibromomethane	ND	5.0						
Dichlorodifluoromethane	ND	5.0						
Ethylbenzene	ND	5.0						
Hexachlorobutadiene	ND	5.0						
Isopropylbenzene	ND	5.0						
m,p-Xylene	ND	5.0						
Methyl tert-butyl ether	ND	5.0						
Methylene chloride	ND	20						
Naphthalene	1.014	5.0					J	
n-Butylbenzene	ND	5.0						
n-Propylbenzene	ND	5.0						
o-Xylene	ND	5.0						
p-Isopropyltoluene	ND	5.0						
sec-Butylbenzene	ND	5.0						
Styrene	ND	5.0						
tert-Butylbenzene	ND	5.0						
Tetrachloroethene	ND	5.0						
Toluene	ND	5.0						
trans-1,2-Dichloroethene	ND	5.0						
trans-1,3-Dichloropropene	ND	5.0						
Trichloroethene	ND	5.0						
Trichlorofluoromethane	ND	5.0						
Vinyl chloride	ND	5.0						
Xylenes, Total	ND	10						
<i>Surr: 4-Bromofluorobenzene</i>	<i>52.64</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>105</i>	<i>60-140</i>	<i>0</i>	
<i>Surr: Dibromofluoromethane</i>	<i>57.5</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>115</i>	<i>60-140</i>	<i>0</i>	
<i>Surr: Toluene-d8</i>	<i>50.13</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>100</i>	<i>60-140</i>	<i>0</i>	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **R228578** Instrument ID **VMS5** Method: **SW8260B**

LCS		Sample ID: LCS-R228578				Units: µg/Kg		Analysis Date: 4/17/2024 01:52 PM		
Client ID:		Run ID: VMS5_240417A			SeqNo: 3362655		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-Trichloroethane	62.58	5.0	50	0	125	53.6-149	0			
1,1-Dichloroethane	54.61	5.0	50	0	109	38.8-176	0			
1,2-Dichloroethane	60.12	5.0	50	0	120	54.4-145	0			
1,3-Dichlorobenzene	56.61	5.0	50	0	113	54.2-137	0			
1,4-Dichlorobenzene	55.73	5.0	50	0	111	52.8-135	0			
Benzene	58.14	5.0	50	0	116	56-148	0			
Carbon tetrachloride	64.38	5.0	50	0	129	51.9-151	0			
Chlorobenzene	59.8	5.0	50	0	120	55.4-137	0			
Chloroform	60.12	5.0	50	0	120	51.1-147	0			
cis-1,2-Dichloroethene	57.66	5.0	50	0	115	47.6-149	0			
Ethylbenzene	61.91	5.0	50	0	124	55.8-142	0			
m,p-Xylene	123.5	5.0	100	0	123	57.6-141	0			
Styrene	60.72	5.0	50	0	121	59.6-143	0			
Tetrachloroethene	48.18	5.0	50	0	96.4	38.7-101	0			
Toluene	59.38	5.0	50	0	119	56-143	0			
Trichloroethene	61.43	5.0	50	0	123	56.5-143	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>49.66</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>99.3</i>	<i>60-140</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>48.27</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>96.5</i>	<i>60-140</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>49.9</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>99.8</i>	<i>60-140</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **R228578** Instrument ID **VMS5** Method: **SW8260B**

MS		Sample ID: 24040579-10A MS				Units: µg/Kg		Analysis Date: 4/17/2024 02:28 PM		
Client ID:		Run ID: VMS5_240417A		SeqNo: 3362656		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-Trichloroethane	61.03	5.0	50	0	122	66.9-140	0			
1,1-Dichloroethene	54.7	5.0	50	0	109	41.4-161	0			
1,2-Dichloroethane	67.99	5.0	50	0	136	58.9-137	0			
1,3-Dichlorobenzene	61.32	5.0	50	0	123	42.5-150	0			
1,4-Dichlorobenzene	60.91	5.0	50	0	122	52.1-137	0			
Benzene	59.42	5.0	50	0	119	35.8-162	0			
Carbon tetrachloride	64.35	5.0	50	0	129	53.2-137	0			
Chlorobenzene	60.65	5.0	50	0	121	65.6-137	0			
Chloroform	64.16	5.0	50	0	128	63.6-147	0			
cis-1,2-Dichloroethene	62.48	5.0	50	0	125	52.9-138	0			
Ethylbenzene	60.48	5.0	50	0	121	57.5-134	0			
m,p-Xylene	122.6	5.0	100	0	123	56.4-135	0			
Styrene	63.1	5.0	50	0	126	60.9-135	0			
Tetrachloroethene	45.91	5.0	50	0	91.8	28.3-109	0			
Toluene	59.93	5.0	50	0	120	67.7-135	0			
Trichloroethene	59.19	5.0	50	0	118	56.5-136	0			
Surr: 4-Bromofluorobenzene	50.88	0	50	0	102	60-140	0			
Surr: Dibromofluoromethane	52.23	0	50	0	104	60-140	0			
Surr: Toluene-d8	49.71	0	50	0	99.4	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **R228578** Instrument ID **VMS5** Method: **SW8260B**

MSD		Sample ID: 24040579-10A MSD				Units: µg/Kg		Analysis Date: 4/17/2024 02:49 PM			
Client ID:		Run ID: VMS5_240417A			SeqNo: 3362657		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-Trichloroethane	48.92	5.0	50	0	97.8	66.9-140	61.03	22	20	R	
1,1-Dichloroethane	43.09	5.0	50	0	86.2	41.4-161	54.7	23.8	20	R	
1,2-Dichloroethane	56.51	5.0	50	0	113	58.9-137	67.99	18.4	20		
1,3-Dichlorobenzene	47.18	5.0	50	0	94.4	42.5-150	61.32	26.1	20	R	
1,4-Dichlorobenzene	47.31	5.0	50	0	94.6	52.1-137	60.91	25.1	20	R	
Benzene	47.75	5.0	50	0	95.5	35.8-162	59.42	21.8	20	R	
Carbon tetrachloride	49.83	5.0	50	0	99.7	53.2-137	64.35	25.4	20	R	
Chlorobenzene	47.82	5.0	50	0	95.6	65.6-137	60.65	23.7	20	R	
Chloroform	55.77	5.0	50	0	112	63.6-147	64.16	14	20		
cis-1,2-Dichloroethene	52.49	5.0	50	0	105	52.9-138	62.48	17.4	20		
Ethylbenzene	47.25	5.0	50	0	94.5	57.5-134	60.48	24.6	20	R	
m,p-Xylene	95.66	5.0	100	0	95.7	56.4-135	122.6	24.7	20	R	
Styrene	49.78	5.0	50	0	99.6	60.9-135	63.1	23.6	20	R	
Tetrachloroethene	34.64	5.0	50	0	69.3	28.3-109	45.91	28	20	R	
Toluene	48.59	5.0	50	0	97.2	67.7-135	59.93	20.9	20	R	
Trichloroethene	47.91	5.0	50	0	95.8	56.5-136	59.19	21.1	20	R	
<i>Surr: 4-Bromofluorobenzene</i>	<i>50.15</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>100</i>	<i>60-140</i>	<i>50.88</i>	<i>1.46</i>			
<i>Surr: Dibromofluoromethane</i>	<i>55.65</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>111</i>	<i>60-140</i>	<i>52.23</i>	<i>6.34</i>			
<i>Surr: Toluene-d8</i>	<i>50.84</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>102</i>	<i>60-140</i>	<i>49.71</i>	<i>2.25</i>			

The following samples were analyzed in this batch:

24040599-01A	24040599-02A	24040599-03A
24040599-04A	24040599-05A	24040599-06A
24040599-07A	24040599-08A	24040599-09A
24040599-10A	24040599-11A	24040599-12A
24040599-13A	24040599-14A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **R228635** Instrument ID **VMS5** Method: **SW8260B**

MBLK		Sample ID: MBLKRRR-R228635			Units: µg/Kg		Analysis Date: 4/18/2024 11:48 AM			
Client ID:		Run ID: VMS5_240418A			SeqNo: 3363858		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	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.

Work Order: 24040599

Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: R228635	Instrument ID VMS5	Method: SW8260B						
Dibromomethane	ND	5.0						
Dichlorodifluoromethane	ND	5.0						
Ethylbenzene	ND	5.0						
Hexachlorobutadiene	ND	5.0						
Isopropylbenzene	ND	5.0						
m,p-Xylene	ND	5.0						
Methyl tert-butyl ether	ND	5.0						
Methylene chloride	ND	20						
Naphthalene	ND	5.0						
n-Butylbenzene	ND	5.0						
n-Propylbenzene	ND	5.0						
o-Xylene	ND	5.0						
p-Isopropyltoluene	ND	5.0						
sec-Butylbenzene	ND	5.0						
Styrene	ND	5.0						
tert-Butylbenzene	ND	5.0						
Tetrachloroethene	ND	5.0						
Toluene	ND	5.0						
trans-1,2-Dichloroethene	ND	5.0						
trans-1,3-Dichloropropene	ND	5.0						
Trichloroethene	ND	5.0						
Trichlorofluoromethane	ND	5.0						
Vinyl chloride	ND	5.0						
Xylenes, Total	ND	10						
<i>Surr: 4-Bromofluorobenzene</i>	51.24	0	50	0	102	60-140	0	
<i>Surr: Dibromofluoromethane</i>	55.38	0	50	0	111	60-140	0	
<i>Surr: Toluene-d8</i>	49.67	0	50	0	99.3	60-140	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **R228635** Instrument ID **VMS5** Method: **SW8260B**

LCS		Sample ID: LCS-R228635				Units: µg/Kg		Analysis Date: 4/18/2024 10:07 AM		
Client ID:		Run ID: VMS5_240418A			SeqNo: 3363855		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-Trichloroethane	47.54	5.0	50	0	95.1	53.6-149	0			
1,1-Dichloroethane	50.96	5.0	50	0	102	38.8-176	0			
1,2-Dichloroethane	47.3	5.0	50	0	94.6	54.4-145	0			
1,3-Dichlorobenzene	52.73	5.0	50	0	105	54.2-137	0			
1,4-Dichlorobenzene	52.37	5.0	50	0	105	52.8-135	0			
Benzene	52.86	5.0	50	0	106	56-148	0			
Carbon tetrachloride	43.96	5.0	50	0	87.9	51.9-151	0			
Chlorobenzene	52.55	5.0	50	0	105	55.4-137	0			
Chloroform	51.61	5.0	50	0	103	51.1-147	0			
cis-1,2-Dichloroethene	52.54	5.0	50	0	105	47.6-149	0			
Ethylbenzene	53.44	5.0	50	0	107	55.8-142	0			
m,p-Xylene	105.8	5.0	100	0	106	57.6-141	0			
Styrene	52.63	5.0	50	0	105	59.6-143	0			
Tetrachloroethene	40.18	5.0	50	0	80.4	38.7-101	0			
Toluene	52.34	5.0	50	0	105	56-143	0			
Trichloroethene	51.24	5.0	50	0	102	56.5-143	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>50.58</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>60-140</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>48.98</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>98</i>	<i>60-140</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>49.51</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>99</i>	<i>60-140</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **R228635** Instrument ID **VMS5** Method: **SW8260B**

MS		Sample ID: 24040654-03A MS				Units: µg/Kg		Analysis Date: 4/18/2024 10:27 AM		
Client ID:		Run ID: VMS5_240418A		SeqNo: 3363856		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-Trichloroethane	46.03	5.0	50	0	92.1	66.9-140	0			
1,1-Dichloroethene	48.14	5.0	50	0	96.3	41.4-161	0			
1,2-Dichloroethane	54.55	5.0	50	0	109	58.9-137	0			
1,3-Dichlorobenzene	41.84	5.0	50	0	83.7	42.5-150	0			
1,4-Dichlorobenzene	41.28	5.0	50	0	82.6	52.1-137	0			
Benzene	55.24	5.0	50	0	110	35.8-162	0			
Carbon tetrachloride	45.22	5.0	50	0	90.4	53.2-137	0			
Chlorobenzene	48.35	5.0	50	0	96.7	65.6-137	0			
Chloroform	60.29	5.0	50	0	121	63.6-147	0			
cis-1,2-Dichloroethene	59.34	5.0	50	0	119	52.9-138	0			
Ethylbenzene	46.84	5.0	50	0	93.7	57.5-134	0			
m,p-Xylene	92.16	5.0	100	0	92.2	56.4-135	0			
Styrene	47.99	5.0	50	0	96	60.9-135	0			
Tetrachloroethene	34.32	5.0	50	0	68.6	28.3-109	0			
Toluene	51.35	5.0	50	0	103	67.7-135	0			
Trichloroethene	48.78	5.0	50	0	97.6	56.5-136	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>51.74</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>103</i>	<i>60-140</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>55.93</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>112</i>	<i>60-140</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>49.6</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>99.2</i>	<i>60-140</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **R228635** Instrument ID **VMS5** Method: **SW8260B**

MSD		Sample ID: 24040654-03A MSD				Units: µg/Kg		Analysis Date: 4/18/2024 10:47 AM		
Client ID:		Run ID: VMS5_240418A			SeqNo: 3363857		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-Trichloroethane	38.26	5.0	50	0	76.5	66.9-140	46.03	18.4	20	
1,1-Dichloroethane	39.29	5.0	50	0	78.6	41.4-161	48.14	20.2	20	R
1,2-Dichloroethane	46.45	5.0	50	0	92.9	58.9-137	54.55	16	20	
1,3-Dichlorobenzene	37.62	5.0	50	0	75.2	42.5-150	41.84	10.6	20	
1,4-Dichlorobenzene	37.55	5.0	50	0	75.1	52.1-137	41.28	9.45	20	
Benzene	45.98	5.0	50	0	92	35.8-162	55.24	18.3	20	
Carbon tetrachloride	37.92	5.0	50	0	75.8	53.2-137	45.22	17.6	20	
Chlorobenzene	42	5.0	50	0	84	65.6-137	48.35	14	20	
Chloroform	49.85	5.0	50	0	99.7	63.6-147	60.29	19	20	
cis-1,2-Dichloroethene	49.93	5.0	50	0	99.9	52.9-138	59.34	17.2	20	
Ethylbenzene	40.5	5.0	50	0	81	57.5-134	46.84	14.5	20	
m,p-Xylene	79.69	5.0	100	0	79.7	56.4-135	92.16	14.5	20	
Styrene	42.41	5.0	50	0	84.8	60.9-135	47.99	12.3	20	
Tetrachloroethene	29.15	5.0	50	0	58.3	28.3-109	34.32	16.3	20	
Toluene	44.14	5.0	50	0	88.3	67.7-135	51.35	15.1	20	
Trichloroethene	41.34	5.0	50	0	82.7	56.5-136	48.78	16.5	20	
<i>Surr: 4-Bromofluorobenzene</i>	<i>51.19</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>102</i>	<i>60-140</i>	<i>51.74</i>	<i>1.07</i>		
<i>Surr: Dibromofluoromethane</i>	<i>56.17</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>112</i>	<i>60-140</i>	<i>55.93</i>	<i>0.43</i>		
<i>Surr: Toluene-d8</i>	<i>50.25</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>60-140</i>	<i>49.6</i>	<i>1.32</i>		

The following samples were analyzed in this batch:

24040599-09A	24040599-10A	24040599-11A
24040599-12A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **R228677** Instrument ID **VMS2** Method: **SW8260B**

MBLK		Sample ID: MBLKR-R228677			Units: µg/Kg		Analysis Date: 4/19/2024 11:30 AM			
Client ID:		Run ID: VMS2_240419A			SeqNo: 3364680		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	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.

Work Order: 24040599

Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: R228677	Instrument ID VMS2	Method: SW8260B						
Dibromomethane	ND	5.0						
Dichlorodifluoromethane	ND	5.0						
Ethylbenzene	ND	5.0						
Hexachlorobutadiene	ND	5.0						
Isopropylbenzene	ND	5.0						
m,p-Xylene	ND	5.0						
Methyl tert-butyl ether	ND	5.0						
Methylene chloride	ND	20						
Naphthalene	ND	5.0						
n-Butylbenzene	ND	5.0						
n-Propylbenzene	ND	5.0						
o-Xylene	ND	5.0						
p-Isopropyltoluene	ND	5.0						
sec-Butylbenzene	ND	5.0						
Styrene	ND	5.0						
tert-Butylbenzene	ND	5.0						
Tetrachloroethene	ND	5.0						
Toluene	ND	5.0						
trans-1,2-Dichloroethene	ND	5.0						
trans-1,3-Dichloropropene	ND	5.0						
Trichloroethene	ND	5.0						
Trichlorofluoromethane	ND	5.0						
Vinyl chloride	ND	5.0						
Xylenes, Total	ND	10						
<i>Surr: 4-Bromofluorobenzene</i>	<i>49.44</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>98.9</i>	<i>60-140</i>	<i>0</i>	
<i>Surr: Dibromofluoromethane</i>	<i>50.49</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>60-140</i>	<i>0</i>	
<i>Surr: Toluene-d8</i>	<i>53.28</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>107</i>	<i>60-140</i>	<i>0</i>	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **R228677** Instrument ID **VMS2** Method: **SW8260B**

LCS		Sample ID: LCS-R228677				Units: µg/Kg		Analysis Date: 4/19/2024 09:56 AM		
Client ID:		Run ID: VMS2_240419A			SeqNo: 3364677		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-Trichloroethane	49.23	5.0	50	0	98.5	53.6-149	0			
1,1-Dichloroethane	42.2	5.0	50	0	84.4	38.8-176	0			
1,2-Dichloroethane	51.96	5.0	50	0	104	54.4-145	0			
1,3-Dichlorobenzene	52.95	5.0	50	0	106	54.2-137	0			
1,4-Dichlorobenzene	53.26	5.0	50	0	107	52.8-135	0			
Benzene	48.33	5.0	50	0	96.7	56-148	0			
Carbon tetrachloride	51.76	5.0	50	0	104	51.9-151	0			
Chlorobenzene	51.69	5.0	50	0	103	55.4-137	0			
Chloroform	49.78	5.0	50	0	99.6	51.1-147	0			
cis-1,2-Dichloroethene	48.62	5.0	50	0	97.2	47.6-149	0			
Ethylbenzene	51.1	5.0	50	0	102	55.8-142	0			
m,p-Xylene	103.5	5.0	100	0	104	57.6-141	0			
Styrene	52.83	5.0	50	0	106	59.6-143	0			
Tetrachloroethene	38.74	5.0	50	0	77.5	38.7-101	0			
Toluene	50.71	5.0	50	0	101	56-143	0			
Trichloroethene	49.36	5.0	50	0	98.7	56.5-143	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>49.64</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>99.3</i>	<i>60-140</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>48.68</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>97.4</i>	<i>60-140</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>50.87</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>102</i>	<i>60-140</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **R228677** Instrument ID **VMS2** Method: **SW8260B**

MS		Sample ID: 24040754-01A MS				Units: µg/Kg		Analysis Date: 4/19/2024 10:20 AM		
Client ID:		Run ID: VMS2_240419A			SeqNo: 3364678		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-Trichloroethane	53.86	5.0	50	0	108	66.9-140	0			
1,1-Dichloroethene	45.34	5.0	50	0	90.7	41.4-161	0			
1,2-Dichloroethane	54.12	5.0	50	0	108	58.9-137	0			
1,3-Dichlorobenzene	47.19	5.0	50	0	94.4	42.5-150	0			
1,4-Dichlorobenzene	45.9	5.0	50	0	91.8	52.1-137	0			
Benzene	51.88	5.0	50	0	104	35.8-162	0			
Carbon tetrachloride	56.66	5.0	50	0	113	53.2-137	0			
Chlorobenzene	49.87	5.0	50	0	99.7	65.6-137	0			
Chloroform	52.17	5.0	50	0	104	63.6-147	0			
cis-1,2-Dichloroethene	50.31	5.0	50	0	101	52.9-138	0			
Ethylbenzene	51.1	5.0	50	0	102	57.5-134	0			
m,p-Xylene	103.4	5.0	100	0	103	56.4-135	0			
Styrene	49.21	5.0	50	0	98.4	60.9-135	0			
Tetrachloroethene	39.42	5.0	50	0	78.8	28.3-109	0			
Toluene	52.28	5.0	50	0	105	67.7-135	0			
Trichloroethene	51.77	5.0	50	0	104	56.5-136	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>50.06</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>100</i>	<i>60-140</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>48.68</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>97.4</i>	<i>60-140</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>50.85</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>102</i>	<i>60-140</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040599
 Project: Laisy Ave; MS24-26; ODAS0003

QC BATCH REPORT

Batch ID: **R228677** Instrument ID **VMS2** Method: **SW8260B**

MSD		Sample ID: 24040754-01A MSD				Units: µg/Kg		Analysis Date: 4/19/2024 10:43 AM		
Client ID:		Run ID: VMS2_240419A			SeqNo: 3364679		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-Trichloroethane	53.07	5.0	50	0	106	66.9-140	53.86	1.48	20	
1,1-Dichloroethane	44.58	5.0	50	0	89.2	41.4-161	45.34	1.69	20	
1,2-Dichloroethane	51.81	5.0	50	0	104	58.9-137	54.12	4.37	20	
1,3-Dichlorobenzene	43.64	5.0	50	0	87.3	42.5-150	47.19	7.81	20	
1,4-Dichlorobenzene	42.55	5.0	50	0	85.1	52.1-137	45.9	7.57	20	
Benzene	50.19	5.0	50	0	100	35.8-162	51.88	3.32	20	
Carbon tetrachloride	55.63	5.0	50	0	111	53.2-137	56.66	1.82	20	
Chlorobenzene	47.65	5.0	50	0	95.3	65.6-137	49.87	4.54	20	
Chloroform	50.72	5.0	50	0	101	63.6-147	52.17	2.82	20	
cis-1,2-Dichloroethene	48.55	5.0	50	0	97.1	52.9-138	50.31	3.56	20	
Ethylbenzene	49.38	5.0	50	0	98.8	57.5-134	51.1	3.41	20	
m,p-Xylene	99.75	5.0	100	0	99.7	56.4-135	103.4	3.64	20	
Styrene	46.94	5.0	50	0	93.9	60.9-135	49.21	4.72	20	
Tetrachloroethene	38.77	5.0	50	0	77.5	28.3-109	39.42	1.66	20	
Toluene	50.4	5.0	50	0	101	67.7-135	52.28	3.65	20	
Trichloroethene	50.04	5.0	50	0	100	56.5-136	51.77	3.39	20	
<i>Surr: 4-Bromofluorobenzene</i>	<i>50.07</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>100</i>	<i>60-140</i>	<i>50.06</i>	<i>0.00999</i>		
<i>Surr: Dibromofluoromethane</i>	<i>48.48</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>97</i>	<i>60-140</i>	<i>48.68</i>	<i>0.397</i>		
<i>Surr: Toluene-d8</i>	<i>50.62</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>60-140</i>	<i>50.85</i>	<i>0.443</i>		

The following samples were analyzed in this batch:

24040599-09A	24040599-10A	24040599-11A
24040599-12A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
Project: Laisy Ave; MS24-26; ODAS0003
WorkOrder: 24040599

**QUALIFIERS,
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
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

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SDL	Sample Detection Limit
SW	SW-846 Method

<u>Units Reported</u>	<u>Description</u>
% of sample	
µg/L	
mg/Kg-dry	

Sample Receipt Checklist

Client Name: **MANNIK&SMITH-COLUMBUS**

Date/Time Received: **12-Apr-24 15:53**

Work Order: **24040599**

Received by: **MB**

Checklist completed by **Alec Bolender**

12-Apr-24

Reviewed by: **Rob Nieman**

18-Apr-24

eSignature

Date

eSignature

Date

Matrices: soil; water

Carrier name: Courier

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):

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage:

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:



Ship To: **ALS | Environmental**
 4388 Glendale Milford Rd.
 Cincinnati, Ohio 45242
 Phone: (513) 733-5336
 Fax: (513) 733-5347

Field Chain-of-Custody Record

Page _____ of _____

83967

REV 10/2017

24040599

Date: 4/11/24 Purchase Order No.: _____
 Company Name: Mannik + Smith Group Project No.: DDAS0003-
 Address: 11600 Dublin Rd. Sampling Site: Lacey Ave
Columbus OH 43215 MS24-26
 City State Zip
 Person to Contact: Matt Pisci Billing Address (if different): Ohio EPA
 Email Address: mpisci@mannik.smithgroup.com D.E.R.R
 Telephone: 614-290-7955 Lazarus Government Center P.O. Box 1049
 Alternate Contact: John Thornburg Columbus, OH 43216-1049

REGULAR Status RUSH Status RESULTS REQUIRED BY: (Date) _____
 CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES
 OH VAP: YES NO BUSTR: YES NO NELAC: YES NO

ALS Lab ID	Sample ID / Description	Date	Time	Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	ANALYSIS REQUESTED														
1	SB-2 (2-4)	4/10/24	1335	9	S	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	SB-1 (2-4)	4/10/24	1420	9	S	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	SB-4 (0-2)	4/10/24	1500	9	S	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	SB-6 (0-2)	4/10/24	1515	9	S	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	SB-5 (0-2)	4/10/24	1530	9	S	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	SB-5 (2-4)	4/10/24	1610	9	S	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	SB-7 (0-2)	4/11/24	0935	9	S	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	SB-7 (10-12)	4/11/24	0950	9	S	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	SB-8 (5-7)	4/11/24	1025	9	S	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	SB-8 (10-12)	4/11/24	1040	9	S	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Notes: _____

Preservation Key: 1 - HCl 2 - HNO₃ 3 - H₂SO₄ 4 - NaOH 5 - Na₂S₂O₈ 6 - NaHSO₄ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C

Matrix Key: A - Air B - Bulk S - Soil W - Water

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: <u>[Signature]</u>	Time / Date: <u>10:00 4/11/24</u>	Received By: <u>[Signature]</u>	Time / Date: <u>14:00 4/11/24</u>
Relinquished By: <u>[Signature]</u>	Time / Date: <u>12:00 4/11/24</u>	Received By: <u>[Signature]</u>	Time / Date: <u>4:12:24 15753</u>
Relinquished By: _____	Time / Date: _____	Received By: _____	Time / Date: _____

ALS LAB USE ONLY 120489

COOLER TEMP: 4.4 °C TAKEN WITH IR#: 119063 119059

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS

STD MAIL PRTY MAIL ALS COURIER OTHER: _____

CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES

pH ADJUSTMENTS: _____



Ship To: **ALS | Environmental**
 4388 Glendale Milford Rd.
 Cincinnati, Ohio 45242
 Phone: (513) 733-5336
 Fax: (513) 733-5347

Field Chain-of-Custody Record

24040599

Date: 4/11/24 Purchase Order No.: _____
 Company Name: Mannix+Smith Group Project No.: 00A5003-
 Address: 1160 Dublin Rd. Sampling Site: Lady Ave
Columbus OH 43215 MS 24-26
 City State Zip
 Person to Contact: Matt Pesci Billing Address (if different): Ohio EPA
 Email Address: mpesci@mannixsmithgroup.com D.E.R.R.
 Telephone: 419 290-7955 Lazarus Government Center P.O. Box 1049
 Alternate Contact: John Thornburg Columbus, OH 43216-1049

REGULAR Status RUSH Status RESULTS REQUIRED BY: (Date) _____
 CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES
 OH VAP: YES NO BUSTR: YES NO NELAC: YES NO

ALS Lab ID	Sample ID / Description	Date	Time
<i>11</i>	<i>SB-10 (2-4')</i>	<i>4/11/24</i>	<i>1150</i>
<i>12</i>	<i>SB-9 (0-2')</i>	<i>4/11/24</i>	<i>1205</i>
<i>13</i>	<i>SB-12 (0-2')</i>	<i>4/11/24</i>	<i>1255</i>
<i>14</i>	<i>SB-12 (5-7')</i>	<i>4/11/24</i>	<i>1305</i>
<i>15</i>	<i>Trip Blank</i>	<i>-</i>	<i>-</i>

Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	ANALYSIS REQUESTED																	
			VOC (TetraCore)	PAH, TPH DOC-ORO	TPH GLO	SVOC, VAP Metals PCB	VOC													
<i>9</i>	<i>S</i>	<i>3</i>	<i>1</i>	<i>1</i>	<i>1</i>															
<i>9</i>	<i>S</i>	<i>3</i>	<i>1</i>	<i>1</i>	<i>1</i>															
<i>9</i>	<i>S</i>	<i>2</i>	<i>1</i>																	
<i>9</i>	<i>S</i>	<i>2</i>	<i>1</i>																	
<i>1</i>	<i>W</i>	<i>1</i>																		

Notes: _____

Preservation Key: 1 - HCl 2 - HNO₃ 3 - H₂SO₄ 4 - NaOH 5 - Na₂S₂O₅ 6 - NaHSO₄ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C Matrix Key: A - Air B - Bulk S - Soil W - Water

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: <i>[Signature]</i>	Time / Date: <i>1600 4/11/24</i>	Received By: <i>[Signature]</i>	Time / Date: <i>1000 4/11/24</i>
Relinquished By: <i>[Signature]</i>	Time / Date: <i>1200 4/11/24</i>	Received By: <i>[Signature]</i>	Time / Date: <i>7-12-24 15:53</i>
Relinquished By: _____	Time / Date: _____	Received By: _____	Time / Date: _____

ALS LAB USE ONLY *20489*

COOLER TEMP: *4.4* °C TAKEN WITH IR#: 119063 119059

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS
 STD MAIL PRTY MAIL ALS COURIER OTHER: _____

CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES

pH ADJUSTMENTS: _____



29-Apr-2024

Matt Pesci
The Mannik & Smith Group, Inc.
1160 Dublin Road
Suite 100
Columbus, OH 43215

Re: **401.ODAS003;Laisy Avenue MS24-26**

Work Order: **24040835**

Dear Matt,

ALS Environmental received 13 samples on 18-Apr-2024 04:54 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met 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 Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 109.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

Rob Nieman

Electronically approved by: Rob Nieman

Rob Nieman
Project Manager

Report of Laboratory Analysis

ADDRESS 4388 Glendale Milford Rd Cincinnati, OH 45242- | PHONE (513) 733-5336 | FAX (513) 733-5347

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental 

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Work Order: 24040835

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
24040835-01	SB-15 (0-2')	Soil		4/15/2024 12:25	4/18/2024 16:54	<input type="checkbox"/>
24040835-02	SB-13 (0-2')	Soil		4/15/2024 12:30	4/18/2024 16:54	<input type="checkbox"/>
24040835-03	SB-14 (0-2')	Soil		4/15/2024 12:40	4/18/2024 16:54	<input type="checkbox"/>
24040835-04	SB-14 (10-12')	Soil		4/15/2024 12:50	4/18/2024 16:54	<input type="checkbox"/>
24040835-05	SB-16 (0-2')	Soil		4/15/2024 13:25	4/18/2024 16:54	<input type="checkbox"/>
24040835-06	SB-16 (6-8')	Soil		4/15/2024 13:35	4/18/2024 16:54	<input type="checkbox"/>
24040835-07	SB-17 (0-2')	Soil		4/15/2024 13:50	4/18/2024 16:54	<input type="checkbox"/>
24040835-08	SB-20 (0-2')	Soil		4/15/2024 14:45	4/18/2024 16:54	<input type="checkbox"/>
24040835-09	SB-19 (0-2')	Soil		4/15/2024 15:05	4/18/2024 16:54	<input type="checkbox"/>
24040835-10	SB-18 (0-2')	Soil		4/15/2024 15:20	4/18/2024 16:54	<input type="checkbox"/>
24040835-11	SB-24 (0-2')	Soil		4/15/2024 15:50	4/18/2024 16:54	<input type="checkbox"/>
24040835-12	SB-16 (6-8') Dup	Soil		4/15/2024 13:35	4/18/2024 16:54	<input type="checkbox"/>
24040835-13	Trip Blank	Water		4/15/2024	4/18/2024 16:54	<input type="checkbox"/>

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Work Order: 24040835

Case Narrative

The analyses requested were analyzed according to Ohio Voluntary Action Program requirements. Affidavits are available upon request.

The analytical data provided relates directly to the samples received by ALS Laboratory Group and for only the analyses requested.

QC sample results for this data met 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 Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

Batch 98340, Method 8082_PCB_S, Sample 24040838-07AMS: 1260 failed due to the presence of PCB's in the sample.

Batch 98340, Method 8082_PCB_S, Sample 24040838-07AMSD: 1260 failed due to the presence of PCB's in the sample.

Batch 98342, Method 8270_SVOC_S, Sample 24040835-09B: Select surrogate spike recoveries fall outside of quality control limits due to sample matrix interference.

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-15 (0-2')
Collection Date: 4/15/2024 12:25 PM

Work Order: 24040835
Lab ID: 24040835-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082		Analyst: TSA	
Aroclor 1016	ND		1.2	mg/Kg-dry	10	4/25/2024 05:43 PM
Aroclor 1221	ND		2.4	mg/Kg-dry	10	4/25/2024 05:43 PM
Aroclor 1232	ND		1.2	mg/Kg-dry	10	4/25/2024 05:43 PM
Aroclor 1242	ND		1.2	mg/Kg-dry	10	4/25/2024 05:43 PM
Aroclor 1248	ND		1.2	mg/Kg-dry	10	4/25/2024 05:43 PM
Aroclor 1254	ND		1.2	mg/Kg-dry	10	4/25/2024 05:43 PM
Aroclor 1260	37		1.2	mg/Kg-dry	10	4/25/2024 05:43 PM
Aroclor 1262	ND		1.2	mg/Kg-dry	10	4/25/2024 05:43 PM
Aroclor 1268	ND		1.2	mg/Kg-dry	10	4/25/2024 05:43 PM
Surr: Decachlorobiphenyl	0		7.32-154	%REC	10	4/25/2024 05:43 PM
Surr: Decachlorobiphenyl	106		7.32-154	%REC	1	4/26/2024 06:37 AM
Surr: Tetrachloro-m-xylene	0		33.5-152	%REC	10	4/25/2024 05:43 PM
Surr: Tetrachloro-m-xylene	80.0		33.5-152	%REC	1	4/26/2024 06:37 AM
MOISTURE			SM2540B		Analyst: CS	
Moisture	16			% of sample	1	4/19/2024
MERCURY BY CVAA			SW7471A		Prep: EPA 7471 4/26/24 14:07 Analyst: JW	
Mercury	0.054		0.013	mg/Kg-dry	1	4/29/2024 09:16 AM
METALS BY ICP			SW6010B		Prep: SW3050B 4/26/24 10:55 Analyst: SLT	
Antimony	3.0		0.47	mg/Kg-dry	1	4/26/2024 01:35 PM
Arsenic	7.9		1.2	mg/Kg-dry	1	4/26/2024 01:35 PM
Barium	130		4.7	mg/Kg-dry	1	4/26/2024 01:35 PM
Beryllium	0.63		0.23	mg/Kg-dry	1	4/26/2024 01:35 PM
Cadmium	1.5		0.23	mg/Kg-dry	1	4/26/2024 01:35 PM
Chromium	17		2.3	mg/Kg-dry	1	4/26/2024 01:35 PM
Cobalt	8.4		1.2	mg/Kg-dry	1	4/26/2024 01:35 PM
Lead	140		4.7	mg/Kg-dry	1	4/26/2024 01:35 PM
Nickel	43		2.3	mg/Kg-dry	1	4/26/2024 01:35 PM
Selenium	ND		0.70	mg/Kg-dry	1	4/26/2024 01:35 PM
Silver	ND		1.2	mg/Kg-dry	1	4/26/2024 01:35 PM
Thallium	ND		1.2	mg/Kg-dry	1	4/26/2024 01:35 PM
Vanadium	61		1.2	mg/Kg-dry	1	4/26/2024 01:35 PM
Zinc	520		12	mg/Kg-dry	1	4/26/2024 01:35 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C		Prep: SW3546 4/24/24 14:35 Analyst: DTL	
1,2,4,5-Tetrachlorobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
1,2,4-Trichlorobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
1,2-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
1,3-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-15 (0-2')
Collection Date: 4/15/2024 12:25 PM

Work Order: 24040835
Lab ID: 24040835-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3-Dinitrobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
1,4-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
1-Methylnaphthalene	2.3		0.24	mg/Kg-dry	1	4/25/2024 11:00 PM
1-Naphthylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
2,3,4,6-Tetrachlorophenol	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
2,4,5-Trichlorophenol	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
2,4,6-Trichlorophenol	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
2,4-Dichlorophenol	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
2,4-Dimethylphenol	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
2,4-Dinitrophenol	ND		2.0	mg/Kg-dry	1	4/25/2024 11:00 PM
2,4-Dinitrotoluene	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
2,6-Dichlorophenol	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
2,6-Dinitrotoluene	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
2-Acetylaminofluorene	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
2-Chloronaphthalene	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
2-Chlorophenol	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
2-Methylnaphthalene	2.4		0.24	mg/Kg-dry	1	4/25/2024 11:00 PM
2-Methylphenol	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
2-Naphthylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
2-Nitroaniline	ND		2.0	mg/Kg-dry	1	4/25/2024 11:00 PM
2-Nitrophenol	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
2-Picoline	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
3&4-Methylphenol	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
3,3'-Dichlorobenzidine	ND		0.78	mg/Kg-dry	1	4/25/2024 11:00 PM
3-Methylcholanthrene	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
3-Nitroaniline	ND		2.0	mg/Kg-dry	1	4/25/2024 11:00 PM
4,6-Dinitro-2-methylphenol	ND		2.0	mg/Kg-dry	1	4/25/2024 11:00 PM
4-Aminobiphenyl	ND		0.78	mg/Kg-dry	1	4/25/2024 11:00 PM
4-Bromophenyl phenyl ether	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
4-Chloro-3-methylphenol	ND		0.78	mg/Kg-dry	1	4/25/2024 11:00 PM
4-Chloroaniline	ND		0.78	mg/Kg-dry	1	4/25/2024 11:00 PM
4-Chlorophenyl phenyl ether	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
4-Nitroaniline	ND		0.78	mg/Kg-dry	1	4/25/2024 11:00 PM
4-Nitrophenol	ND		2.0	mg/Kg-dry	1	4/25/2024 11:00 PM
4-Nitroquinoline 1-oxide	ND		2.0	mg/Kg-dry	1	4/25/2024 11:00 PM
5-Nitro-o-toluidine	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
7,12-Dimethylbenz(a)anthracene	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Acenaphthene	36		4.7	mg/Kg-dry	20	4/27/2024 02:04 AM
Acenaphthylene	1.9		0.24	mg/Kg-dry	1	4/25/2024 11:00 PM
Acetophenone	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-15 (0-2')
Collection Date: 4/15/2024 12:25 PM

Work Order: 24040835
Lab ID: 24040835-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Aniline	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Anthracene	86		4.7	mg/Kg-dry	20	4/27/2024 02:04 AM
Azobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Benzidine	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Benzo(a)anthracene	210		12	mg/Kg-dry	100	4/27/2024 01:49 AM
Benzo(a)pyrene	160		12	mg/Kg-dry	100	4/27/2024 01:49 AM
Benzo(b)fluoranthene	210		24	mg/Kg-dry	100	4/27/2024 01:49 AM
Benzo(g,h,i)perylene	58		4.7	mg/Kg-dry	20	4/27/2024 02:04 AM
Benzo(k)fluoranthene	83		24	mg/Kg-dry	100	4/27/2024 01:49 AM
Benzyl alcohol	ND		0.78	mg/Kg-dry	1	4/25/2024 11:00 PM
Bis(2-chloroethoxy)methane	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Bis(2-chloroethyl)ether	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Bis(2-chloroisopropyl)ether	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Bis(2-ethylhexyl)phthalate	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Butyl benzyl phthalate	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Carbazole	27		4.7	mg/Kg-dry	20	4/27/2024 02:04 AM
Chrysene	210		24	mg/Kg-dry	100	4/27/2024 01:49 AM
Dibenzo(a,h)anthracene	17		2.4	mg/Kg-dry	20	4/27/2024 02:04 AM
Dibenzofuran	22		4.7	mg/Kg-dry	20	4/27/2024 02:04 AM
Diethyl phthalate	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Dimethyl phthalate	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Di-n-butyl phthalate	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Di-n-octyl phthalate	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Dinoseb	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Diphenylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Ethyl methanesulfonate	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Fluoranthene	520		120	mg/Kg-dry	500	4/29/2024 01:22 PM
Fluorene	42		4.7	mg/Kg-dry	20	4/27/2024 02:04 AM
Hexachlorobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Hexachlorobutadiene	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Hexachlorocyclopentadiene	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Hexachloroethane	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Indeno(1,2,3-cd)pyrene	58		2.4	mg/Kg-dry	20	4/27/2024 02:04 AM
Isophorone	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Isosafrole	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Methapyrilene	ND		2.0	mg/Kg-dry	1	4/25/2024 11:00 PM
Methyl methanesulfonate	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Naphthalene	1.7		0.24	mg/Kg-dry	1	4/25/2024 11:00 PM
Nitrobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
N-Nitrosodiethylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-15 (0-2')
Collection Date: 4/15/2024 12:25 PM

Work Order: 24040835
Lab ID: 24040835-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitrosodimethylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
N-Nitroso-di-n-butylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
N-Nitrosodi-n-propylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
N-Nitrosomethylethylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
N-Nitrosomorpholine	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
N-Nitrosopiperidine	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
N-Nitrosopyrrolidine	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
o-Toluidine	ND		2.0	mg/Kg-dry	1	4/25/2024 11:00 PM
p-Dimethylaminoazobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Pentachlorobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Pentachloroethane	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Pentachloronitrobenzene	ND		0.78	mg/Kg-dry	1	4/25/2024 11:00 PM
Pentachlorophenol	ND		2.0	mg/Kg-dry	1	4/25/2024 11:00 PM
Phenacetin	ND		0.78	mg/Kg-dry	1	4/25/2024 11:00 PM
Phenanthrene	390		24	mg/Kg-dry	100	4/27/2024 01:49 AM
Phenol	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Pyrene	370		24	mg/Kg-dry	100	4/27/2024 01:49 AM
Pyridine	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
Safrole	ND		0.39	mg/Kg-dry	1	4/25/2024 11:00 PM
<i>Surr: 2,4,6-Tribromophenol</i>	46.1		14.2-136	%REC	1	4/25/2024 11:00 PM
<i>Surr: 2-Fluorobiphenyl</i>	49.3		30-116	%REC	1	4/25/2024 11:00 PM
<i>Surr: 2-Fluorophenol</i>	43.2		5.42-113	%REC	1	4/25/2024 11:00 PM
<i>Surr: 4-Terphenyl-d14</i>	52.3		27.3-138	%REC	1	4/25/2024 11:00 PM
<i>Surr: Nitrobenzene-d5</i>	49.1		23.7-109	%REC	1	4/25/2024 11:00 PM
<i>Surr: Phenol-d6</i>	48.5		13.8-108	%REC	1	4/25/2024 11:00 PM

VOLATILE ORGANIC COMPOUNDS

SW8260B

Prep: E5035 4/22/24 14:28

Analyst: RA

1,1,1,2-Tetrachloroethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
1,1,1-Trichloroethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
1,1,2,2-Tetrachloroethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
1,1,2-Trichloroethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
1,1-Dichloroethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
1,1-Dichloroethene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
1,1-Dichloropropene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
1,2,3-Trichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
1,2,3-Trichloropropane	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
1,2,4-Trichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
1,2,4-Trimethylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
1,2-Dibromo-3-chloropropane	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
1,2-Dibromoethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
1,2-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-15 (0-2')
Collection Date: 4/15/2024 12:25 PM

Work Order: 24040835
Lab ID: 24040835-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
1,2-Dichloropropane	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
1,3,5-Trimethylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
1,3-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
1,3-Dichloropropane	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
1,4-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
2,2-Dichloropropane	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
2-Butanone	ND		0.052	mg/Kg-dry	1	4/22/2024 02:54 PM
2-Chlorotoluene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
2-Hexanone	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
4-Chlorotoluene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
4-Methyl-2-pentanone	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Acetone	ND		0.052	mg/Kg-dry	1	4/22/2024 02:54 PM
Benzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Bromobenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Bromochloromethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Bromodichloromethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Bromoform	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Bromomethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Carbon disulfide	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Carbon tetrachloride	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Chlorobenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Chloroethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Chloroform	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Chloromethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
cis-1,2-Dichloroethene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
cis-1,3-Dichloropropene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Dibromochloromethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Dibromomethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Dichlorodifluoromethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Ethylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Hexachlorobutadiene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Isopropylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
m,p-Xylene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Methyl tert-butyl ether	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	4/22/2024 02:54 PM
Naphthalene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
n-Butylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
n-Propylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
o-Xylene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-15 (0-2')
Collection Date: 4/15/2024 12:25 PM

Work Order: 24040835
Lab ID: 24040835-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
p-Isopropyltoluene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
sec-Butylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Styrene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
tert-Butylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Tetrachloroethene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Toluene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
trans-1,2-Dichloroethene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
trans-1,3-Dichloropropene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Trichloroethene	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Trichlorofluoromethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Vinyl chloride	ND		0.0052	mg/Kg-dry	1	4/22/2024 02:54 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	4/22/2024 02:54 PM
<i>Surr: 4-Bromofluorobenzene</i>	118		60-140	%REC	1	4/22/2024 02:54 PM
<i>Surr: Dibromofluoromethane</i>	120		60-140	%REC	1	4/22/2024 02:54 PM
<i>Surr: Toluene-d8</i>	102		60-140	%REC	1	4/22/2024 02:54 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-13 (0-2')
Collection Date: 4/15/2024 12:30 PM

Work Order: 24040835
Lab ID: 24040835-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/23/24 12:35		Analyst: TSA
Aroclor 1016	ND		0.13	mg/Kg-dry	1	4/26/2024 06:53 AM
Aroclor 1221	ND		0.25	mg/Kg-dry	1	4/26/2024 06:53 AM
Aroclor 1232	ND		0.13	mg/Kg-dry	1	4/26/2024 06:53 AM
Aroclor 1242	ND		0.13	mg/Kg-dry	1	4/26/2024 06:53 AM
Aroclor 1248	ND		0.13	mg/Kg-dry	1	4/26/2024 06:53 AM
Aroclor 1254	ND		0.13	mg/Kg-dry	1	4/26/2024 06:53 AM
Aroclor 1260	ND		0.13	mg/Kg-dry	1	4/26/2024 06:53 AM
Aroclor 1262	ND		0.13	mg/Kg-dry	1	4/26/2024 06:53 AM
Aroclor 1268	ND		0.13	mg/Kg-dry	1	4/26/2024 06:53 AM
Surr: Decachlorobiphenyl	96.0		7.32-154	%REC	1	4/26/2024 06:53 AM
Surr: Tetrachloro-m-xylene	96.0		33.5-152	%REC	1	4/26/2024 06:53 AM
MOISTURE			SM2540B			Analyst: CS
Moisture	20			% of sample	1	4/19/2024
MERCURY BY CVAA			SW7471A	Prep: EPA 7471 4/26/24 14:07		Analyst: JW
Mercury	0.024		0.014	mg/Kg-dry	1	4/29/2024 09:18 AM
METALS BY ICP			SW6010B	Prep: SW3050B 4/26/24 10:55		Analyst: SLT
Antimony	2.4		0.48	mg/Kg-dry	1	4/26/2024 01:40 PM
Arsenic	3.6		1.2	mg/Kg-dry	1	4/26/2024 01:40 PM
Barium	53		4.8	mg/Kg-dry	1	4/26/2024 01:40 PM
Beryllium	0.53		0.24	mg/Kg-dry	1	4/26/2024 01:40 PM
Cadmium	0.56		0.24	mg/Kg-dry	1	4/26/2024 01:40 PM
Chromium	12		2.4	mg/Kg-dry	1	4/26/2024 01:40 PM
Cobalt	7.2		1.2	mg/Kg-dry	1	4/26/2024 01:40 PM
Lead	32		4.8	mg/Kg-dry	1	4/26/2024 01:40 PM
Nickel	22		2.4	mg/Kg-dry	1	4/26/2024 01:40 PM
Selenium	ND		0.72	mg/Kg-dry	1	4/26/2024 01:40 PM
Silver	ND		1.2	mg/Kg-dry	1	4/26/2024 01:40 PM
Thallium	ND		1.2	mg/Kg-dry	1	4/26/2024 01:40 PM
Vanadium	93		1.2	mg/Kg-dry	1	4/26/2024 01:40 PM
Zinc	130		12	mg/Kg-dry	1	4/26/2024 01:40 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C	Prep: SW3546 4/24/24 14:35		Analyst: DTL
1,2,4,5-Tetrachlorobenzene	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
1,2,4-Trichlorobenzene	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
1,2-Dichlorobenzene	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
1,3-Dichlorobenzene	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
1,3-Dinitrobenzene	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
1,4-Dichlorobenzene	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-13 (0-2')
Collection Date: 4/15/2024 12:30 PM

Work Order: 24040835
Lab ID: 24040835-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1-Methylnaphthalene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:09 PM
1-Naphthylamine	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
2,3,4,6-Tetrachlorophenol	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
2,4,5-Trichlorophenol	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
2,4,6-Trichlorophenol	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
2,4-Dichlorophenol	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
2,4-Dimethylphenol	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
2,4-Dinitrophenol	ND		2.1	mg/Kg-dry	1	4/25/2024 03:09 PM
2,4-Dinitrotoluene	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
2,6-Dichlorophenol	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
2,6-Dinitrotoluene	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
2-Acetylaminofluorene	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
2-Chloronaphthalene	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
2-Chlorophenol	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
2-Methylnaphthalene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:09 PM
2-Methylphenol	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
2-Naphthylamine	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
2-Nitroaniline	ND		2.1	mg/Kg-dry	1	4/25/2024 03:09 PM
2-Nitrophenol	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
2-Picoline	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
3&4-Methylphenol	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
3,3'-Dichlorobenzidine	ND		0.83	mg/Kg-dry	1	4/25/2024 03:09 PM
3-Methylcholanthrene	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
3-Nitroaniline	ND		2.1	mg/Kg-dry	1	4/25/2024 03:09 PM
4,6-Dinitro-2-methylphenol	ND		2.1	mg/Kg-dry	1	4/25/2024 03:09 PM
4-Aminobiphenyl	ND		0.83	mg/Kg-dry	1	4/25/2024 03:09 PM
4-Bromophenyl phenyl ether	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
4-Chloro-3-methylphenol	ND		0.83	mg/Kg-dry	1	4/25/2024 03:09 PM
4-Chloroaniline	ND		0.83	mg/Kg-dry	1	4/25/2024 03:09 PM
4-Chlorophenyl phenyl ether	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
4-Nitroaniline	ND		0.83	mg/Kg-dry	1	4/25/2024 03:09 PM
4-Nitrophenol	ND		2.1	mg/Kg-dry	1	4/25/2024 03:09 PM
4-Nitroquinoline 1-oxide	ND		2.1	mg/Kg-dry	1	4/25/2024 03:09 PM
5-Nitro-o-toluidine	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
7,12-Dimethylbenz(a)anthracene	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Acenaphthene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:09 PM
Acenaphthylene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:09 PM
Acetophenone	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Aniline	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Anthracene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:09 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-13 (0-2')
Collection Date: 4/15/2024 12:30 PM

Work Order: 24040835
Lab ID: 24040835-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Azobenzene	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Benzidine	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Benzo(a)anthracene	ND		0.13	mg/Kg-dry	1	4/25/2024 03:09 PM
Benzo(a)pyrene	ND		0.13	mg/Kg-dry	1	4/25/2024 03:09 PM
Benzo(b)fluoranthene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:09 PM
Benzo(g,h,i)perylene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:09 PM
Benzo(k)fluoranthene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:09 PM
Benzyl alcohol	ND		0.83	mg/Kg-dry	1	4/25/2024 03:09 PM
Bis(2-chloroethoxy)methane	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Bis(2-chloroethyl)ether	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Bis(2-chloroisopropyl)ether	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Bis(2-ethylhexyl)phthalate	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Butyl benzyl phthalate	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Carbazole	ND		0.25	mg/Kg-dry	1	4/25/2024 03:09 PM
Chrysene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:09 PM
Dibenzo(a,h)anthracene	ND		0.13	mg/Kg-dry	1	4/25/2024 03:09 PM
Dibenzofuran	ND		0.25	mg/Kg-dry	1	4/25/2024 03:09 PM
Diethyl phthalate	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Dimethyl phthalate	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Di-n-butyl phthalate	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Di-n-octyl phthalate	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Dinoseb	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Diphenylamine	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Ethyl methanesulfonate	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Fluoranthene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:09 PM
Fluorene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:09 PM
Hexachlorobenzene	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Hexachlorobutadiene	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Hexachlorocyclopentadiene	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Hexachloroethane	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Indeno(1,2,3-cd)pyrene	ND		0.13	mg/Kg-dry	1	4/25/2024 03:09 PM
Isophorone	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Isosafrole	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Methapyrilene	ND		2.1	mg/Kg-dry	1	4/25/2024 03:09 PM
Methyl methanesulfonate	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Naphthalene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:09 PM
Nitrobenzene	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
N-Nitrosodiethylamine	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
N-Nitrosodimethylamine	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
N-Nitroso-di-n-butylamine	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-13 (0-2')
Collection Date: 4/15/2024 12:30 PM

Work Order: 24040835
Lab ID: 24040835-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
N-Nitrosomethylethylamine	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
N-Nitrosomorpholine	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
N-Nitrosopiperidine	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
N-Nitrosopyrrolidine	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
o-Toluidine	ND		2.1	mg/Kg-dry	1	4/25/2024 03:09 PM
p-Dimethylaminoazobenzene	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Pentachlorobenzene	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Pentachloroethane	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Pentachloronitrobenzene	ND		0.83	mg/Kg-dry	1	4/25/2024 03:09 PM
Pentachlorophenol	ND		2.1	mg/Kg-dry	1	4/25/2024 03:09 PM
Phenacetin	ND		0.83	mg/Kg-dry	1	4/25/2024 03:09 PM
Phenanthrene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:09 PM
Phenol	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Pyrene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:09 PM
Pyridine	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
Safrole	ND		0.41	mg/Kg-dry	1	4/25/2024 03:09 PM
<i>Surr: 2,4,6-Tribromophenol</i>	62.9		14.2-136	%REC	1	4/25/2024 03:09 PM
<i>Surr: 2-Fluorobiphenyl</i>	65.8		30-116	%REC	1	4/25/2024 03:09 PM
<i>Surr: 2-Fluorophenol</i>	58.7		5.42-113	%REC	1	4/25/2024 03:09 PM
<i>Surr: 4-Terphenyl-d14</i>	68.8		27.3-138	%REC	1	4/25/2024 03:09 PM
<i>Surr: Nitrobenzene-d5</i>	67.0		23.7-109	%REC	1	4/25/2024 03:09 PM
<i>Surr: Phenol-d6</i>	63.2		13.8-108	%REC	1	4/25/2024 03:09 PM

VOLATILE ORGANIC COMPOUNDS

SW8260B

Prep: E5035 4/22/24 14:28

Analyst: RA

1,1,1,2-Tetrachloroethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
1,1,1-Trichloroethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
1,1,2,2-Tetrachloroethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
1,1,2-Trichloroethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
1,1-Dichloroethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
1,1-Dichloroethene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
1,1-Dichloropropene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
1,2,3-Trichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
1,2,3-Trichloropropane	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
1,2,4-Trichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
1,2,4-Trimethylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
1,2-Dibromo-3-chloropropane	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
1,2-Dibromoethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
1,2-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
1,2-Dichloroethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
1,2-Dichloropropane	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-13 (0-2')
Collection Date: 4/15/2024 12:30 PM

Work Order: 24040835
Lab ID: 24040835-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
1,3-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
1,3-Dichloropropane	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
1,4-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
2,2-Dichloropropane	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
2-Butanone	ND		0.052	mg/Kg-dry	1	4/22/2024 03:14 PM
2-Chlorotoluene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
2-Hexanone	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
4-Chlorotoluene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
4-Methyl-2-pentanone	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Acetone	ND		0.052	mg/Kg-dry	1	4/22/2024 03:14 PM
Benzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Bromobenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Bromochloromethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Bromodichloromethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Bromoform	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Bromomethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Carbon disulfide	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Carbon tetrachloride	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Chlorobenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Chloroethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Chloroform	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Chloromethane	0.0084		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
cis-1,2-Dichloroethene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
cis-1,3-Dichloropropene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Dibromochloromethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Dibromomethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Dichlorodifluoromethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Ethylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Hexachlorobutadiene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Isopropylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
m,p-Xylene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Methyl tert-butyl ether	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	4/22/2024 03:14 PM
Naphthalene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
n-Butylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
n-Propylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
o-Xylene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
p-Isopropyltoluene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
sec-Butylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-13 (0-2')
Collection Date: 4/15/2024 12:30 PM

Work Order: 24040835
Lab ID: 24040835-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
tert-Butylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Tetrachloroethene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Toluene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
trans-1,2-Dichloroethene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
trans-1,3-Dichloropropene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Trichloroethene	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Trichlorofluoromethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Vinyl chloride	ND		0.0052	mg/Kg-dry	1	4/22/2024 03:14 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	4/22/2024 03:14 PM
<i>Surr: 4-Bromofluorobenzene</i>	108		60-140	%REC	1	4/22/2024 03:14 PM
<i>Surr: Dibromofluoromethane</i>	122		60-140	%REC	1	4/22/2024 03:14 PM
<i>Surr: Toluene-d8</i>	103		60-140	%REC	1	4/22/2024 03:14 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-14 (0-2')
Collection Date: 4/15/2024 12:40 PM

Work Order: 24040835
Lab ID: 24040835-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/23/24 12:35		Analyst: TSA
Aroclor 1016	ND		0.59	mg/Kg-dry	5	4/25/2024 05:59 PM
Aroclor 1221	ND		1.2	mg/Kg-dry	5	4/25/2024 05:59 PM
Aroclor 1232	ND		0.59	mg/Kg-dry	5	4/25/2024 05:59 PM
Aroclor 1242	ND		0.59	mg/Kg-dry	5	4/25/2024 05:59 PM
Aroclor 1248	ND		0.59	mg/Kg-dry	5	4/25/2024 05:59 PM
Aroclor 1254	ND		0.59	mg/Kg-dry	5	4/25/2024 05:59 PM
Aroclor 1260	15		0.59	mg/Kg-dry	5	4/25/2024 05:59 PM
Aroclor 1262	ND		0.59	mg/Kg-dry	5	4/25/2024 05:59 PM
Aroclor 1268	ND		0.59	mg/Kg-dry	5	4/25/2024 05:59 PM
Surr: Decachlorobiphenyl	90.0		7.32-154	%REC	1	4/26/2024 07:10 AM
Surr: Tetrachloro-m-xylene	94.0		33.5-152	%REC	1	4/26/2024 07:10 AM
MOISTURE			SM2540B			Analyst: CS
Moisture	16			% of sample	1	4/19/2024
MERCURY BY CVAA			SW7471A	Prep: EPA 7471 4/26/24 14:07		Analyst: JW
Mercury	0.028		0.014	mg/Kg-dry	1	4/29/2024 09:20 AM
METALS BY ICP			SW6010B	Prep: SW3050B 4/26/24 10:55		Analyst: SLT
Antimony	3.8		0.45	mg/Kg-dry	1	4/26/2024 01:41 PM
Arsenic	13		1.1	mg/Kg-dry	1	4/26/2024 01:41 PM
Barium	62		4.5	mg/Kg-dry	1	4/26/2024 01:41 PM
Beryllium	0.45		0.22	mg/Kg-dry	1	4/26/2024 01:41 PM
Cadmium	1.1		0.22	mg/Kg-dry	1	4/26/2024 01:41 PM
Chromium	14		2.2	mg/Kg-dry	1	4/26/2024 01:41 PM
Cobalt	7.0		1.1	mg/Kg-dry	1	4/26/2024 01:41 PM
Lead	65		4.5	mg/Kg-dry	1	4/26/2024 01:41 PM
Nickel	34		2.2	mg/Kg-dry	1	4/26/2024 01:41 PM
Selenium	ND		0.67	mg/Kg-dry	1	4/26/2024 01:41 PM
Silver	ND		1.1	mg/Kg-dry	1	4/26/2024 01:41 PM
Thallium	ND		1.1	mg/Kg-dry	1	4/26/2024 01:41 PM
Vanadium	53		1.1	mg/Kg-dry	1	4/26/2024 01:41 PM
Zinc	240		11	mg/Kg-dry	1	4/26/2024 01:41 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C	Prep: SW3546 4/24/24 14:35		Analyst: DTL
1,2,4,5-Tetrachlorobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
1,2,4-Trichlorobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
1,2-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
1,3-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
1,3-Dinitrobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
1,4-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-14 (0-2')
Collection Date: 4/15/2024 12:40 PM

Work Order: 24040835
Lab ID: 24040835-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1-Methylnaphthalene	ND		0.24	mg/Kg-dry	1	4/25/2024 03:23 PM
1-Naphthylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
2,3,4,6-Tetrachlorophenol	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
2,4,5-Trichlorophenol	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
2,4,6-Trichlorophenol	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
2,4-Dichlorophenol	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
2,4-Dimethylphenol	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
2,4-Dinitrophenol	ND		2.0	mg/Kg-dry	1	4/25/2024 03:23 PM
2,4-Dinitrotoluene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
2,6-Dichlorophenol	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
2,6-Dinitrotoluene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
2-Acetylaminofluorene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
2-Chloronaphthalene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
2-Chlorophenol	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
2-Methylnaphthalene	ND		0.24	mg/Kg-dry	1	4/25/2024 03:23 PM
2-Methylphenol	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
2-Naphthylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
2-Nitroaniline	ND		2.0	mg/Kg-dry	1	4/25/2024 03:23 PM
2-Nitrophenol	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
2-Picoline	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
3&4-Methylphenol	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
3,3'-Dichlorobenzidine	ND		0.79	mg/Kg-dry	1	4/25/2024 03:23 PM
3-Methylcholanthrene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
3-Nitroaniline	ND		2.0	mg/Kg-dry	1	4/25/2024 03:23 PM
4,6-Dinitro-2-methylphenol	ND		2.0	mg/Kg-dry	1	4/25/2024 03:23 PM
4-Aminobiphenyl	ND		0.79	mg/Kg-dry	1	4/25/2024 03:23 PM
4-Bromophenyl phenyl ether	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
4-Chloro-3-methylphenol	ND		0.79	mg/Kg-dry	1	4/25/2024 03:23 PM
4-Chloroaniline	ND		0.79	mg/Kg-dry	1	4/25/2024 03:23 PM
4-Chlorophenyl phenyl ether	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
4-Nitroaniline	ND		0.79	mg/Kg-dry	1	4/25/2024 03:23 PM
4-Nitrophenol	ND		2.0	mg/Kg-dry	1	4/25/2024 03:23 PM
4-Nitroquinoline 1-oxide	ND		2.0	mg/Kg-dry	1	4/25/2024 03:23 PM
5-Nitro-o-toluidine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
7,12-Dimethylbenz(a)anthracene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Acenaphthene	ND		0.24	mg/Kg-dry	1	4/25/2024 03:23 PM
Acenaphthylene	ND		0.24	mg/Kg-dry	1	4/25/2024 03:23 PM
Acetophenone	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Aniline	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Anthracene	ND		0.24	mg/Kg-dry	1	4/25/2024 03:23 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-14 (0-2')
Collection Date: 4/15/2024 12:40 PM

Work Order: 24040835
Lab ID: 24040835-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Azobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Benzidine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Benzo(a)anthracene	0.63		0.12	mg/Kg-dry	1	4/25/2024 03:23 PM
Benzo(a)pyrene	0.59		0.12	mg/Kg-dry	1	4/25/2024 03:23 PM
Benzo(b)fluoranthene	0.80		0.24	mg/Kg-dry	1	4/25/2024 03:23 PM
Benzo(g,h,i)perylene	0.42		0.24	mg/Kg-dry	1	4/25/2024 03:23 PM
Benzo(k)fluoranthene	0.29		0.24	mg/Kg-dry	1	4/25/2024 03:23 PM
Benzyl alcohol	ND		0.79	mg/Kg-dry	1	4/25/2024 03:23 PM
Bis(2-chloroethoxy)methane	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Bis(2-chloroethyl)ether	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Bis(2-chloroisopropyl)ether	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Bis(2-ethylhexyl)phthalate	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Butyl benzyl phthalate	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Carbazole	ND		0.24	mg/Kg-dry	1	4/25/2024 03:23 PM
Chrysene	0.64		0.24	mg/Kg-dry	1	4/25/2024 03:23 PM
Dibenzo(a,h)anthracene	ND		0.12	mg/Kg-dry	1	4/25/2024 03:23 PM
Dibenzofuran	ND		0.24	mg/Kg-dry	1	4/25/2024 03:23 PM
Diethyl phthalate	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Dimethyl phthalate	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Di-n-butyl phthalate	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Di-n-octyl phthalate	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Dinoseb	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Diphenylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Ethyl methanesulfonate	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Fluoranthene	1.4		0.24	mg/Kg-dry	1	4/25/2024 03:23 PM
Fluorene	ND		0.24	mg/Kg-dry	1	4/25/2024 03:23 PM
Hexachlorobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Hexachlorobutadiene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Hexachlorocyclopentadiene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Hexachloroethane	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Indeno(1,2,3-cd)pyrene	0.36		0.12	mg/Kg-dry	1	4/25/2024 03:23 PM
Isophorone	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Isosafrole	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Methapyrilene	ND		2.0	mg/Kg-dry	1	4/25/2024 03:23 PM
Methyl methanesulfonate	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Naphthalene	ND		0.24	mg/Kg-dry	1	4/25/2024 03:23 PM
Nitrobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
N-Nitrosodiethylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
N-Nitrosodimethylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
N-Nitroso-di-n-butylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-14 (0-2')
Collection Date: 4/15/2024 12:40 PM

Work Order: 24040835
Lab ID: 24040835-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
N-Nitrosomethylethylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
N-Nitrosomorpholine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
N-Nitrosopiperidine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
N-Nitrosopyrrolidine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
o-Toluidine	ND		2.0	mg/Kg-dry	1	4/25/2024 03:23 PM
p-Dimethylaminoazobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Pentachlorobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Pentachloroethane	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Pentachloronitrobenzene	ND		0.79	mg/Kg-dry	1	4/25/2024 03:23 PM
Pentachlorophenol	ND		2.0	mg/Kg-dry	1	4/25/2024 03:23 PM
Phenacetin	ND		0.79	mg/Kg-dry	1	4/25/2024 03:23 PM
Phenanthrene	0.70		0.24	mg/Kg-dry	1	4/25/2024 03:23 PM
Phenol	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Pyrene	1.1		0.24	mg/Kg-dry	1	4/25/2024 03:23 PM
Pyridine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
Safrole	ND		0.39	mg/Kg-dry	1	4/25/2024 03:23 PM
<i>Surr: 2,4,6-Tribromophenol</i>	<i>61.0</i>		<i>14.2-136</i>	<i>%REC</i>	1	4/25/2024 03:23 PM
<i>Surr: 2-Fluorobiphenyl</i>	<i>69.2</i>		<i>30-116</i>	<i>%REC</i>	1	4/25/2024 03:23 PM
<i>Surr: 2-Fluorophenol</i>	<i>53.7</i>		<i>5.42-113</i>	<i>%REC</i>	1	4/25/2024 03:23 PM
<i>Surr: 4-Terphenyl-d14</i>	<i>69.7</i>		<i>27.3-138</i>	<i>%REC</i>	1	4/25/2024 03:23 PM
<i>Surr: Nitrobenzene-d5</i>	<i>70.3</i>		<i>23.7-109</i>	<i>%REC</i>	1	4/25/2024 03:23 PM
<i>Surr: Phenol-d6</i>	<i>64.3</i>		<i>13.8-108</i>	<i>%REC</i>	1	4/25/2024 03:23 PM

VOLATILE ORGANIC COMPOUNDS

SW8260B

Prep: E5035 4/22/24 14:28

Analyst: RA

1,1,1,2-Tetrachloroethane	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
1,1,1-Trichloroethane	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
1,1,2,2-Tetrachloroethane	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
1,1,2-Trichloroethane	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
1,1-Dichloroethane	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
1,1-Dichloroethene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
1,1-Dichloropropene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
1,2,3-Trichlorobenzene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
1,2,3-Trichloropropane	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
1,2,4-Trichlorobenzene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
1,2,4-Trimethylbenzene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
1,2-Dibromo-3-chloropropane	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
1,2-Dibromoethane	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
1,2-Dichlorobenzene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
1,2-Dichloroethane	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
1,2-Dichloropropane	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-14 (0-2')
Collection Date: 4/15/2024 12:40 PM

Work Order: 24040835
Lab ID: 24040835-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
1,3-Dichlorobenzene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
1,3-Dichloropropane	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
1,4-Dichlorobenzene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
2,2-Dichloropropane	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
2-Butanone	ND		0.043	mg/Kg-dry	1	4/22/2024 03:34 PM
2-Chlorotoluene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
2-Hexanone	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
4-Chlorotoluene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
4-Methyl-2-pentanone	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Acetone	ND		0.043	mg/Kg-dry	1	4/22/2024 03:34 PM
Benzene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Bromobenzene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Bromochloromethane	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Bromodichloromethane	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Bromoform	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Bromomethane	0.015		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Carbon disulfide	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Carbon tetrachloride	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Chlorobenzene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Chloroethane	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Chloroform	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Chloromethane	0.014		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
cis-1,2-Dichloroethene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
cis-1,3-Dichloropropene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Dibromochloromethane	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Dibromomethane	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Dichlorodifluoromethane	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Ethylbenzene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Hexachlorobutadiene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Isopropylbenzene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
m,p-Xylene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Methyl tert-butyl ether	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Methylene chloride	ND		0.017	mg/Kg-dry	1	4/22/2024 03:34 PM
Naphthalene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
n-Butylbenzene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
n-Propylbenzene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
o-Xylene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
p-Isopropyltoluene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
sec-Butylbenzene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-14 (0-2')
Collection Date: 4/15/2024 12:40 PM

Work Order: 24040835
Lab ID: 24040835-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
tert-Butylbenzene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Tetrachloroethene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Toluene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
trans-1,2-Dichloroethene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
trans-1,3-Dichloropropene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Trichloroethene	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Trichlorofluoromethane	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Vinyl chloride	ND		0.0043	mg/Kg-dry	1	4/22/2024 03:34 PM
Xylenes, Total	ND		0.0086	mg/Kg-dry	1	4/22/2024 03:34 PM
<i>Surr: 4-Bromofluorobenzene</i>	111		60-140	%REC	1	4/22/2024 03:34 PM
<i>Surr: Dibromofluoromethane</i>	121		60-140	%REC	1	4/22/2024 03:34 PM
<i>Surr: Toluene-d8</i>	106		60-140	%REC	1	4/22/2024 03:34 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-14 (10-12')
Collection Date: 4/15/2024 12:50 PM

Work Order: 24040835
Lab ID: 24040835-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/23/24 12:35		Analyst: TSA
Aroclor 1016	ND		0.12	mg/Kg-dry	1	4/26/2024 07:26 AM
Aroclor 1221	ND		0.24	mg/Kg-dry	1	4/26/2024 07:26 AM
Aroclor 1232	ND		0.12	mg/Kg-dry	1	4/26/2024 07:26 AM
Aroclor 1242	ND		0.12	mg/Kg-dry	1	4/26/2024 07:26 AM
Aroclor 1248	ND		0.12	mg/Kg-dry	1	4/26/2024 07:26 AM
Aroclor 1254	ND		0.12	mg/Kg-dry	1	4/26/2024 07:26 AM
Aroclor 1260	ND		0.12	mg/Kg-dry	1	4/26/2024 07:26 AM
Aroclor 1262	ND		0.12	mg/Kg-dry	1	4/26/2024 07:26 AM
Aroclor 1268	ND		0.12	mg/Kg-dry	1	4/26/2024 07:26 AM
Surr: Decachlorobiphenyl	102		7.32-154	%REC	1	4/26/2024 07:26 AM
Surr: Tetrachloro-m-xylene	96.0		33.5-152	%REC	1	4/26/2024 07:26 AM
MOISTURE			SM2540B			Analyst: CS
Moisture	16			% of sample	1	4/19/2024
MERCURY BY CVAA			SW7471A	Prep: EPA 7471 4/26/24 14:07		Analyst: JW
Mercury	ND		0.013	mg/Kg-dry	1	4/29/2024 09:22 AM
METALS BY ICP			SW6010B	Prep: SW3050B 4/26/24 10:55		Analyst: SLT
Antimony	1.8		0.47	mg/Kg-dry	1	4/26/2024 01:43 PM
Arsenic	9.3		1.2	mg/Kg-dry	1	4/26/2024 01:43 PM
Barium	29		4.7	mg/Kg-dry	1	4/26/2024 01:43 PM
Beryllium	0.34		0.23	mg/Kg-dry	1	4/26/2024 01:43 PM
Cadmium	0.72		0.23	mg/Kg-dry	1	4/26/2024 01:43 PM
Chromium	9.1		2.3	mg/Kg-dry	1	4/26/2024 01:43 PM
Cobalt	6.3		1.2	mg/Kg-dry	1	4/26/2024 01:43 PM
Lead	6.8		4.7	mg/Kg-dry	1	4/26/2024 01:43 PM
Nickel	25		2.3	mg/Kg-dry	1	4/26/2024 01:43 PM
Selenium	ND		0.70	mg/Kg-dry	1	4/26/2024 01:43 PM
Silver	ND		1.2	mg/Kg-dry	1	4/26/2024 01:43 PM
Thallium	ND		1.2	mg/Kg-dry	1	4/26/2024 01:43 PM
Vanadium	140		1.2	mg/Kg-dry	1	4/26/2024 01:43 PM
Zinc	58		12	mg/Kg-dry	1	4/26/2024 01:43 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C	Prep: SW3546 4/24/24 14:35		Analyst: DTL
1,2,4,5-Tetrachlorobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
1,2,4-Trichlorobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
1,2-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
1,3-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
1,3-Dinitrobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
1,4-Dichlorobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-14 (10-12')
Collection Date: 4/15/2024 12:50 PM

Work Order: 24040835
Lab ID: 24040835-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1-Methylnaphthalene	ND		0.24	mg/Kg-dry	1	4/25/2024 03:37 PM
1-Naphthylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
2,3,4,6-Tetrachlorophenol	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
2,4,5-Trichlorophenol	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
2,4,6-Trichlorophenol	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
2,4-Dichlorophenol	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
2,4-Dimethylphenol	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
2,4-Dinitrophenol	ND		2.0	mg/Kg-dry	1	4/25/2024 03:37 PM
2,4-Dinitrotoluene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
2,6-Dichlorophenol	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
2,6-Dinitrotoluene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
2-Acetylaminofluorene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
2-Chloronaphthalene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
2-Chlorophenol	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
2-Methylnaphthalene	ND		0.24	mg/Kg-dry	1	4/25/2024 03:37 PM
2-Methylphenol	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
2-Naphthylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
2-Nitroaniline	ND		2.0	mg/Kg-dry	1	4/25/2024 03:37 PM
2-Nitrophenol	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
2-Picoline	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
3&4-Methylphenol	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
3,3'-Dichlorobenzidine	ND		0.78	mg/Kg-dry	1	4/25/2024 03:37 PM
3-Methylcholanthrene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
3-Nitroaniline	ND		2.0	mg/Kg-dry	1	4/25/2024 03:37 PM
4,6-Dinitro-2-methylphenol	ND		2.0	mg/Kg-dry	1	4/25/2024 03:37 PM
4-Aminobiphenyl	ND		0.78	mg/Kg-dry	1	4/25/2024 03:37 PM
4-Bromophenyl phenyl ether	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
4-Chloro-3-methylphenol	ND		0.78	mg/Kg-dry	1	4/25/2024 03:37 PM
4-Chloroaniline	ND		0.78	mg/Kg-dry	1	4/25/2024 03:37 PM
4-Chlorophenyl phenyl ether	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
4-Nitroaniline	ND		0.78	mg/Kg-dry	1	4/25/2024 03:37 PM
4-Nitrophenol	ND		2.0	mg/Kg-dry	1	4/25/2024 03:37 PM
4-Nitroquinoline 1-oxide	ND		2.0	mg/Kg-dry	1	4/25/2024 03:37 PM
5-Nitro-o-toluidine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
7,12-Dimethylbenz(a)anthracene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Acenaphthene	ND		0.24	mg/Kg-dry	1	4/25/2024 03:37 PM
Acenaphthylene	ND		0.24	mg/Kg-dry	1	4/25/2024 03:37 PM
Acetophenone	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Aniline	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Anthracene	ND		0.24	mg/Kg-dry	1	4/25/2024 03:37 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-14 (10-12')
Collection Date: 4/15/2024 12:50 PM

Work Order: 24040835
Lab ID: 24040835-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Azobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Benzidine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Benzo(a)anthracene	ND		0.12	mg/Kg-dry	1	4/25/2024 03:37 PM
Benzo(a)pyrene	ND		0.12	mg/Kg-dry	1	4/25/2024 03:37 PM
Benzo(b)fluoranthene	ND		0.24	mg/Kg-dry	1	4/25/2024 03:37 PM
Benzo(g,h,i)perylene	ND		0.24	mg/Kg-dry	1	4/25/2024 03:37 PM
Benzo(k)fluoranthene	ND		0.24	mg/Kg-dry	1	4/25/2024 03:37 PM
Benzyl alcohol	ND		0.78	mg/Kg-dry	1	4/25/2024 03:37 PM
Bis(2-chloroethoxy)methane	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Bis(2-chloroethyl)ether	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Bis(2-chloroisopropyl)ether	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Bis(2-ethylhexyl)phthalate	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Butyl benzyl phthalate	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Carbazole	ND		0.24	mg/Kg-dry	1	4/25/2024 03:37 PM
Chrysene	ND		0.24	mg/Kg-dry	1	4/25/2024 03:37 PM
Dibenzo(a,h)anthracene	ND		0.12	mg/Kg-dry	1	4/25/2024 03:37 PM
Dibenzofuran	ND		0.24	mg/Kg-dry	1	4/25/2024 03:37 PM
Diethyl phthalate	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Dimethyl phthalate	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Di-n-butyl phthalate	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Di-n-octyl phthalate	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Dinoseb	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Diphenylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Ethyl methanesulfonate	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Fluoranthene	ND		0.24	mg/Kg-dry	1	4/25/2024 03:37 PM
Fluorene	ND		0.24	mg/Kg-dry	1	4/25/2024 03:37 PM
Hexachlorobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Hexachlorobutadiene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Hexachlorocyclopentadiene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Hexachloroethane	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Indeno(1,2,3-cd)pyrene	ND		0.12	mg/Kg-dry	1	4/25/2024 03:37 PM
Isophorone	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Isosafrole	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Methapyrilene	ND		2.0	mg/Kg-dry	1	4/25/2024 03:37 PM
Methyl methanesulfonate	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Naphthalene	ND		0.24	mg/Kg-dry	1	4/25/2024 03:37 PM
Nitrobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
N-Nitrosodiethylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
N-Nitrosodimethylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
N-Nitroso-di-n-butylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-14 (10-12')
Collection Date: 4/15/2024 12:50 PM

Work Order: 24040835
Lab ID: 24040835-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
N-Nitrosomethylethylamine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
N-Nitrosomorpholine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
N-Nitrosopiperidine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
N-Nitrosopyrrolidine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
o-Toluidine	ND		2.0	mg/Kg-dry	1	4/25/2024 03:37 PM
p-Dimethylaminoazobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Pentachlorobenzene	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Pentachloroethane	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Pentachloronitrobenzene	ND		0.78	mg/Kg-dry	1	4/25/2024 03:37 PM
Pentachlorophenol	ND		2.0	mg/Kg-dry	1	4/25/2024 03:37 PM
Phenacetin	ND		0.78	mg/Kg-dry	1	4/25/2024 03:37 PM
Phenanthrene	ND		0.24	mg/Kg-dry	1	4/25/2024 03:37 PM
Phenol	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Pyrene	ND		0.24	mg/Kg-dry	1	4/25/2024 03:37 PM
Pyridine	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
Safrole	ND		0.39	mg/Kg-dry	1	4/25/2024 03:37 PM
<i>Surr: 2,4,6-Tribromophenol</i>	55.3		14.2-136	%REC	1	4/25/2024 03:37 PM
<i>Surr: 2-Fluorobiphenyl</i>	63.8		30-116	%REC	1	4/25/2024 03:37 PM
<i>Surr: 2-Fluorophenol</i>	53.7		5.42-113	%REC	1	4/25/2024 03:37 PM
<i>Surr: 4-Terphenyl-d14</i>	67.4		27.3-138	%REC	1	4/25/2024 03:37 PM
<i>Surr: Nitrobenzene-d5</i>	65.5		23.7-109	%REC	1	4/25/2024 03:37 PM
<i>Surr: Phenol-d6</i>	60.0		13.8-108	%REC	1	4/25/2024 03:37 PM

VOLATILE ORGANIC COMPOUNDS

SW8260B

Prep: E5035 4/22/24 14:28

Analyst: RA

1,1,1,2-Tetrachloroethane	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
1,1,1-Trichloroethane	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
1,1,2,2-Tetrachloroethane	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
1,1,2-Trichloroethane	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
1,1-Dichloroethane	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
1,1-Dichloroethene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
1,1-Dichloropropene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
1,2,3-Trichlorobenzene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
1,2,3-Trichloropropane	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
1,2,4-Trichlorobenzene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
1,2,4-Trimethylbenzene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
1,2-Dibromo-3-chloropropane	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
1,2-Dibromoethane	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
1,2-Dichlorobenzene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
1,2-Dichloroethane	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
1,2-Dichloropropane	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-14 (10-12')
Collection Date: 4/15/2024 12:50 PM

Work Order: 24040835
Lab ID: 24040835-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
1,3-Dichlorobenzene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
1,3-Dichloropropane	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
1,4-Dichlorobenzene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
2,2-Dichloropropane	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
2-Butanone	ND		0.054	mg/Kg-dry	1	4/22/2024 03:54 PM
2-Chlorotoluene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
2-Hexanone	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
4-Chlorotoluene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
4-Methyl-2-pentanone	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Acetone	ND		0.054	mg/Kg-dry	1	4/22/2024 03:54 PM
Benzene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Bromobenzene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Bromochloromethane	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Bromodichloromethane	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Bromoform	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Bromomethane	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Carbon disulfide	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Carbon tetrachloride	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Chlorobenzene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Chloroethane	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Chloroform	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Chloromethane	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
cis-1,2-Dichloroethene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
cis-1,3-Dichloropropene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Dibromochloromethane	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Dibromomethane	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Dichlorodifluoromethane	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Ethylbenzene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Hexachlorobutadiene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Isopropylbenzene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
m,p-Xylene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Methyl tert-butyl ether	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Methylene chloride	ND		0.022	mg/Kg-dry	1	4/22/2024 03:54 PM
Naphthalene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
n-Butylbenzene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
n-Propylbenzene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
o-Xylene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
p-Isopropyltoluene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
sec-Butylbenzene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-14 (10-12')
Collection Date: 4/15/2024 12:50 PM

Work Order: 24040835
Lab ID: 24040835-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
tert-Butylbenzene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Tetrachloroethene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Toluene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
trans-1,2-Dichloroethene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
trans-1,3-Dichloropropene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Trichloroethene	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Trichlorofluoromethane	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Vinyl chloride	ND		0.0054	mg/Kg-dry	1	4/22/2024 03:54 PM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	4/22/2024 03:54 PM
<i>Surr: 4-Bromofluorobenzene</i>	109		60-140	%REC	1	4/22/2024 03:54 PM
<i>Surr: Dibromofluoromethane</i>	115		60-140	%REC	1	4/22/2024 03:54 PM
<i>Surr: Toluene-d8</i>	106		60-140	%REC	1	4/22/2024 03:54 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-16 (0-2')
Collection Date: 4/15/2024 01:25 PM

Work Order: 24040835
Lab ID: 24040835-05
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/23/24 12:35		Analyst: TSA
Aroclor 1016	ND		0.13	mg/Kg-dry	1	4/26/2024 07:42 AM
Aroclor 1221	ND		0.25	mg/Kg-dry	1	4/26/2024 07:42 AM
Aroclor 1232	ND		0.13	mg/Kg-dry	1	4/26/2024 07:42 AM
Aroclor 1242	ND		0.13	mg/Kg-dry	1	4/26/2024 07:42 AM
Aroclor 1248	ND		0.13	mg/Kg-dry	1	4/26/2024 07:42 AM
Aroclor 1254	ND		0.13	mg/Kg-dry	1	4/26/2024 07:42 AM
Aroclor 1260	ND		0.13	mg/Kg-dry	1	4/26/2024 07:42 AM
Aroclor 1262	ND		0.13	mg/Kg-dry	1	4/26/2024 07:42 AM
Aroclor 1268	ND		0.13	mg/Kg-dry	1	4/26/2024 07:42 AM
Surr: Decachlorobiphenyl	92.0		7.32-154	%REC	1	4/26/2024 07:42 AM
Surr: Tetrachloro-m-xylene	88.0		33.5-152	%REC	1	4/26/2024 07:42 AM
MOISTURE			SM2540B			Analyst: CS
Moisture	21			% of sample	1	4/19/2024
MERCURY BY CVAA			SW7471A	Prep: EPA 7471 4/26/24 14:07		Analyst: JW
Mercury	0.022		0.015	mg/Kg-dry	1	4/29/2024 09:24 AM
METALS BY ICP			SW6010B	Prep: SW3050B 4/26/24 10:55		Analyst: SLT
Antimony	18		0.50	mg/Kg-dry	1	4/26/2024 01:45 PM
Arsenic	8.5		1.2	mg/Kg-dry	1	4/26/2024 01:45 PM
Barium	16		5.0	mg/Kg-dry	1	4/26/2024 01:45 PM
Beryllium	ND		0.25	mg/Kg-dry	1	4/26/2024 01:45 PM
Cadmium	0.71		0.25	mg/Kg-dry	1	4/26/2024 01:45 PM
Chromium	250		2.5	mg/Kg-dry	1	4/26/2024 01:45 PM
Cobalt	3.6		1.2	mg/Kg-dry	1	4/26/2024 01:45 PM
Lead	160		5.0	mg/Kg-dry	1	4/26/2024 01:45 PM
Nickel	190		2.5	mg/Kg-dry	1	4/26/2024 01:45 PM
Selenium	ND		0.75	mg/Kg-dry	1	4/26/2024 01:45 PM
Silver	ND		1.2	mg/Kg-dry	1	4/26/2024 01:45 PM
Thallium	ND		1.2	mg/Kg-dry	1	4/26/2024 01:45 PM
Vanadium	13		1.2	mg/Kg-dry	1	4/26/2024 01:45 PM
Zinc	1,100		120	mg/Kg-dry	10	4/26/2024 03:50 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C	Prep: SW3546 4/24/24 14:35		Analyst: DTL
1,2,4,5-Tetrachlorobenzene	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
1,2,4-Trichlorobenzene	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
1,2-Dichlorobenzene	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
1,3-Dichlorobenzene	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
1,3-Dinitrobenzene	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
1,4-Dichlorobenzene	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-16 (0-2')
Collection Date: 4/15/2024 01:25 PM

Work Order: 24040835
Lab ID: 24040835-05
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1-Methylnaphthalene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:51 PM
1-Naphthylamine	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
2,3,4,6-Tetrachlorophenol	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
2,4,5-Trichlorophenol	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
2,4,6-Trichlorophenol	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
2,4-Dichlorophenol	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
2,4-Dimethylphenol	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
2,4-Dinitrophenol	ND		2.1	mg/Kg-dry	1	4/25/2024 03:51 PM
2,4-Dinitrotoluene	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
2,6-Dichlorophenol	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
2,6-Dinitrotoluene	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
2-Acetylaminofluorene	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
2-Chloronaphthalene	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
2-Chlorophenol	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
2-Methylnaphthalene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:51 PM
2-Methylphenol	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
2-Naphthylamine	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
2-Nitroaniline	ND		2.1	mg/Kg-dry	1	4/25/2024 03:51 PM
2-Nitrophenol	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
2-Picoline	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
3&4-Methylphenol	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
3,3'-Dichlorobenzidine	ND		0.83	mg/Kg-dry	1	4/25/2024 03:51 PM
3-Methylcholanthrene	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
3-Nitroaniline	ND		2.1	mg/Kg-dry	1	4/25/2024 03:51 PM
4,6-Dinitro-2-methylphenol	ND		2.1	mg/Kg-dry	1	4/25/2024 03:51 PM
4-Aminobiphenyl	ND		0.83	mg/Kg-dry	1	4/25/2024 03:51 PM
4-Bromophenyl phenyl ether	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
4-Chloro-3-methylphenol	ND		0.83	mg/Kg-dry	1	4/25/2024 03:51 PM
4-Chloroaniline	ND		0.83	mg/Kg-dry	1	4/25/2024 03:51 PM
4-Chlorophenyl phenyl ether	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
4-Nitroaniline	ND		0.83	mg/Kg-dry	1	4/25/2024 03:51 PM
4-Nitrophenol	ND		2.1	mg/Kg-dry	1	4/25/2024 03:51 PM
4-Nitroquinoline 1-oxide	ND		2.1	mg/Kg-dry	1	4/25/2024 03:51 PM
5-Nitro-o-toluidine	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
7,12-Dimethylbenz(a)anthracene	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Acenaphthene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:51 PM
Acenaphthylene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:51 PM
Acetophenone	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Aniline	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Anthracene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:51 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-16 (0-2')
Collection Date: 4/15/2024 01:25 PM

Work Order: 24040835
Lab ID: 24040835-05
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Azobenzene	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Benzidine	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Benzo(a)anthracene	ND		0.13	mg/Kg-dry	1	4/25/2024 03:51 PM
Benzo(a)pyrene	ND		0.13	mg/Kg-dry	1	4/25/2024 03:51 PM
Benzo(b)fluoranthene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:51 PM
Benzo(g,h,i)perylene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:51 PM
Benzo(k)fluoranthene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:51 PM
Benzyl alcohol	ND		0.83	mg/Kg-dry	1	4/25/2024 03:51 PM
Bis(2-chloroethoxy)methane	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Bis(2-chloroethyl)ether	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Bis(2-chloroisopropyl)ether	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Bis(2-ethylhexyl)phthalate	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Butyl benzyl phthalate	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Carbazole	ND		0.25	mg/Kg-dry	1	4/25/2024 03:51 PM
Chrysene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:51 PM
Dibenzo(a,h)anthracene	ND		0.13	mg/Kg-dry	1	4/25/2024 03:51 PM
Dibenzofuran	ND		0.25	mg/Kg-dry	1	4/25/2024 03:51 PM
Diethyl phthalate	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Dimethyl phthalate	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Di-n-butyl phthalate	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Di-n-octyl phthalate	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Dinoseb	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Diphenylamine	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Ethyl methanesulfonate	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Fluoranthene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:51 PM
Fluorene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:51 PM
Hexachlorobenzene	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Hexachlorobutadiene	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Hexachlorocyclopentadiene	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Hexachloroethane	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Indeno(1,2,3-cd)pyrene	ND		0.13	mg/Kg-dry	1	4/25/2024 03:51 PM
Isophorone	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Isosafrole	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Methapyrilene	ND		2.1	mg/Kg-dry	1	4/25/2024 03:51 PM
Methyl methanesulfonate	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Naphthalene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:51 PM
Nitrobenzene	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
N-Nitrosodiethylamine	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
N-Nitrosodimethylamine	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
N-Nitroso-di-n-butylamine	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-16 (0-2')
Collection Date: 4/15/2024 01:25 PM

Work Order: 24040835
Lab ID: 24040835-05
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
N-Nitrosomethylethylamine	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
N-Nitrosomorpholine	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
N-Nitrosopiperidine	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
N-Nitrosopyrrolidine	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
o-Toluidine	ND		2.1	mg/Kg-dry	1	4/25/2024 03:51 PM
p-Dimethylaminoazobenzene	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Pentachlorobenzene	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Pentachloroethane	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Pentachloronitrobenzene	ND		0.83	mg/Kg-dry	1	4/25/2024 03:51 PM
Pentachlorophenol	ND		2.1	mg/Kg-dry	1	4/25/2024 03:51 PM
Phenacetin	ND		0.83	mg/Kg-dry	1	4/25/2024 03:51 PM
Phenanthrene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:51 PM
Phenol	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Pyrene	ND		0.25	mg/Kg-dry	1	4/25/2024 03:51 PM
Pyridine	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
Safrole	ND		0.42	mg/Kg-dry	1	4/25/2024 03:51 PM
<i>Surr: 2,4,6-Tribromophenol</i>	60.7		14.2-136	%REC	1	4/25/2024 03:51 PM
<i>Surr: 2-Fluorobiphenyl</i>	64.5		30-116	%REC	1	4/25/2024 03:51 PM
<i>Surr: 2-Fluorophenol</i>	62.4		5.42-113	%REC	1	4/25/2024 03:51 PM
<i>Surr: 4-Terphenyl-d14</i>	61.6		27.3-138	%REC	1	4/25/2024 03:51 PM
<i>Surr: Nitrobenzene-d5</i>	70.5		23.7-109	%REC	1	4/25/2024 03:51 PM
<i>Surr: Phenol-d6</i>	70.1		13.8-108	%REC	1	4/25/2024 03:51 PM

VOLATILE ORGANIC COMPOUNDS

SW8260B

Prep: E5035 4/22/24 14:28

Analyst: RA

1,1,1,2-Tetrachloroethane	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
1,1,1-Trichloroethane	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
1,1,2,2-Tetrachloroethane	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
1,1,2-Trichloroethane	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
1,1-Dichloroethane	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
1,1-Dichloroethene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
1,1-Dichloropropene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
1,2,3-Trichlorobenzene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
1,2,3-Trichloropropane	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
1,2,4-Trichlorobenzene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
1,2,4-Trimethylbenzene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
1,2-Dibromo-3-chloropropane	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
1,2-Dibromoethane	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
1,2-Dichlorobenzene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
1,2-Dichloroethane	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
1,2-Dichloropropane	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-16 (0-2')
Collection Date: 4/15/2024 01:25 PM

Work Order: 24040835
Lab ID: 24040835-05
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
1,3-Dichlorobenzene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
1,3-Dichloropropane	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
1,4-Dichlorobenzene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
2,2-Dichloropropane	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
2-Butanone	ND		0.059	mg/Kg-dry	1	4/22/2024 04:15 PM
2-Chlorotoluene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
2-Hexanone	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
4-Chlorotoluene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
4-Methyl-2-pentanone	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Acetone	ND		0.059	mg/Kg-dry	1	4/22/2024 04:15 PM
Benzene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Bromobenzene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Bromochloromethane	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Bromodichloromethane	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Bromoform	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Bromomethane	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Carbon disulfide	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Carbon tetrachloride	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Chlorobenzene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Chloroethane	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Chloroform	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Chloromethane	0.031		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
cis-1,2-Dichloroethene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
cis-1,3-Dichloropropene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Dibromochloromethane	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Dibromomethane	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Dichlorodifluoromethane	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Ethylbenzene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Hexachlorobutadiene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Isopropylbenzene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
m,p-Xylene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Methyl tert-butyl ether	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Methylene chloride	ND		0.023	mg/Kg-dry	1	4/22/2024 04:15 PM
Naphthalene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
n-Butylbenzene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
n-Propylbenzene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
o-Xylene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
p-Isopropyltoluene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
sec-Butylbenzene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-16 (0-2')
Collection Date: 4/15/2024 01:25 PM

Work Order: 24040835
Lab ID: 24040835-05
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
tert-Butylbenzene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Tetrachloroethene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Toluene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
trans-1,2-Dichloroethene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
trans-1,3-Dichloropropene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Trichloroethene	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Trichlorofluoromethane	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Vinyl chloride	ND		0.0059	mg/Kg-dry	1	4/22/2024 04:15 PM
Xylenes, Total	ND		0.012	mg/Kg-dry	1	4/22/2024 04:15 PM
<i>Surr: 4-Bromofluorobenzene</i>	112		60-140	%REC	1	4/22/2024 04:15 PM
<i>Surr: Dibromofluoromethane</i>	117		60-140	%REC	1	4/22/2024 04:15 PM
<i>Surr: Toluene-d8</i>	104		60-140	%REC	1	4/22/2024 04:15 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-16 (6-8')
Collection Date: 4/15/2024 01:35 PM

Work Order: 24040835
Lab ID: 24040835-06
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/23/24 12:35		Analyst: TSA
Aroclor 1016	ND		0.11	mg/Kg-dry	1	4/26/2024 07:58 AM
Aroclor 1221	ND		0.22	mg/Kg-dry	1	4/26/2024 07:58 AM
Aroclor 1232	ND		0.11	mg/Kg-dry	1	4/26/2024 07:58 AM
Aroclor 1242	ND		0.11	mg/Kg-dry	1	4/26/2024 07:58 AM
Aroclor 1248	ND		0.11	mg/Kg-dry	1	4/26/2024 07:58 AM
Aroclor 1254	ND		0.11	mg/Kg-dry	1	4/26/2024 07:58 AM
Aroclor 1260	ND		0.11	mg/Kg-dry	1	4/26/2024 07:58 AM
Aroclor 1262	ND		0.11	mg/Kg-dry	1	4/26/2024 07:58 AM
Aroclor 1268	ND		0.11	mg/Kg-dry	1	4/26/2024 07:58 AM
Surr: Decachlorobiphenyl	84.0		7.32-154	%REC	1	4/26/2024 07:58 AM
Surr: Tetrachloro-m-xylene	68.0		33.5-152	%REC	1	4/26/2024 07:58 AM
MOISTURE			SM2540B			Analyst: CS
Moisture	9.9			% of sample	1	4/19/2024
MERCURY BY CVAA			SW7471A	Prep: EPA 7471 4/26/24 14:07		Analyst: JW
Mercury	0.023		0.012	mg/Kg-dry	1	4/29/2024 09:26 AM
METALS BY ICP			SW6010B	Prep: SW3050B 4/26/24 10:55		Analyst: SLT
Antimony	0.50		0.42	mg/Kg-dry	1	4/26/2024 01:46 PM
Arsenic	5.0		1.0	mg/Kg-dry	1	4/26/2024 01:46 PM
Barium	12		4.2	mg/Kg-dry	1	4/26/2024 01:46 PM
Beryllium	ND		0.21	mg/Kg-dry	1	4/26/2024 01:46 PM
Cadmium	0.50		0.21	mg/Kg-dry	1	4/26/2024 01:46 PM
Chromium	4.6		2.1	mg/Kg-dry	1	4/26/2024 01:46 PM
Cobalt	3.5		1.0	mg/Kg-dry	1	4/26/2024 01:46 PM
Lead	5.6		4.2	mg/Kg-dry	1	4/26/2024 01:46 PM
Nickel	7.8		2.1	mg/Kg-dry	1	4/26/2024 01:46 PM
Selenium	ND		0.63	mg/Kg-dry	1	4/26/2024 01:46 PM
Silver	ND		1.0	mg/Kg-dry	1	4/26/2024 01:46 PM
Thallium	ND		1.0	mg/Kg-dry	1	4/26/2024 01:46 PM
Vanadium	660		1.0	mg/Kg-dry	1	4/26/2024 01:46 PM
Zinc	100		10	mg/Kg-dry	1	4/26/2024 01:46 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C	Prep: SW3546 4/24/24 14:35		Analyst: DTL
1,2,4,5-Tetrachlorobenzene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
1,2,4-Trichlorobenzene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
1,2-Dichlorobenzene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
1,3-Dichlorobenzene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
1,3-Dinitrobenzene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
1,4-Dichlorobenzene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-16 (6-8')
Collection Date: 4/15/2024 01:35 PM

Work Order: 24040835
Lab ID: 24040835-06
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1-Methylnaphthalene	0.33		0.22	mg/Kg-dry	1	4/25/2024 10:05 PM
1-Naphthylamine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
2,3,4,6-Tetrachlorophenol	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
2,4,5-Trichlorophenol	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
2,4,6-Trichlorophenol	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
2,4-Dichlorophenol	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
2,4-Dimethylphenol	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
2,4-Dinitrophenol	ND		1.8	mg/Kg-dry	1	4/25/2024 10:05 PM
2,4-Dinitrotoluene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
2,6-Dichlorophenol	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
2,6-Dinitrotoluene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
2-Acetylaminofluorene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
2-Chloronaphthalene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
2-Chlorophenol	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
2-Methylnaphthalene	ND		0.22	mg/Kg-dry	1	4/25/2024 10:05 PM
2-Methylphenol	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
2-Naphthylamine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
2-Nitroaniline	ND		1.8	mg/Kg-dry	1	4/25/2024 10:05 PM
2-Nitrophenol	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
2-Picoline	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
3&4-Methylphenol	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
3,3'-Dichlorobenzidine	ND		0.73	mg/Kg-dry	1	4/25/2024 10:05 PM
3-Methylcholanthrene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
3-Nitroaniline	ND		1.8	mg/Kg-dry	1	4/25/2024 10:05 PM
4,6-Dinitro-2-methylphenol	ND		1.8	mg/Kg-dry	1	4/25/2024 10:05 PM
4-Aminobiphenyl	ND		0.73	mg/Kg-dry	1	4/25/2024 10:05 PM
4-Bromophenyl phenyl ether	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
4-Chloro-3-methylphenol	ND		0.73	mg/Kg-dry	1	4/25/2024 10:05 PM
4-Chloroaniline	ND		0.73	mg/Kg-dry	1	4/25/2024 10:05 PM
4-Chlorophenyl phenyl ether	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
4-Nitroaniline	ND		0.73	mg/Kg-dry	1	4/25/2024 10:05 PM
4-Nitrophenol	ND		1.8	mg/Kg-dry	1	4/25/2024 10:05 PM
4-Nitroquinoline 1-oxide	ND		1.8	mg/Kg-dry	1	4/25/2024 10:05 PM
5-Nitro-o-toluidine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
7,12-Dimethylbenz(a)anthracene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Acenaphthene	ND		0.22	mg/Kg-dry	1	4/25/2024 10:05 PM
Acenaphthylene	ND		0.22	mg/Kg-dry	1	4/25/2024 10:05 PM
Acetophenone	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Aniline	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Anthracene	ND		0.22	mg/Kg-dry	1	4/25/2024 10:05 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-16 (6-8')
Collection Date: 4/15/2024 01:35 PM

Work Order: 24040835
Lab ID: 24040835-06
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Azobenzene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Benzidine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Benzo(a)anthracene	ND		0.11	mg/Kg-dry	1	4/25/2024 10:05 PM
Benzo(a)pyrene	0.11		0.11	mg/Kg-dry	1	4/25/2024 10:05 PM
Benzo(b)fluoranthene	ND		0.22	mg/Kg-dry	1	4/25/2024 10:05 PM
Benzo(g,h,i)perylene	0.29		0.22	mg/Kg-dry	1	4/25/2024 10:05 PM
Benzo(k)fluoranthene	0.50		0.22	mg/Kg-dry	1	4/25/2024 10:05 PM
Benzyl alcohol	ND		0.73	mg/Kg-dry	1	4/25/2024 10:05 PM
Bis(2-chloroethoxy)methane	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Bis(2-chloroethyl)ether	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Bis(2-chloroisopropyl)ether	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Bis(2-ethylhexyl)phthalate	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Butyl benzyl phthalate	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Carbazole	ND		0.22	mg/Kg-dry	1	4/25/2024 10:05 PM
Chrysene	1.1		0.22	mg/Kg-dry	1	4/25/2024 10:05 PM
Dibenzo(a,h)anthracene	ND		0.11	mg/Kg-dry	1	4/25/2024 10:05 PM
Dibenzofuran	ND		0.22	mg/Kg-dry	1	4/25/2024 10:05 PM
Diethyl phthalate	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Dimethyl phthalate	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Di-n-butyl phthalate	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Di-n-octyl phthalate	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Dinoseb	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Diphenylamine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Ethyl methanesulfonate	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Fluoranthene	ND		0.22	mg/Kg-dry	1	4/25/2024 10:05 PM
Fluorene	ND		0.22	mg/Kg-dry	1	4/25/2024 10:05 PM
Hexachlorobenzene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Hexachlorobutadiene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Hexachlorocyclopentadiene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Hexachloroethane	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Indeno(1,2,3-cd)pyrene	ND		0.11	mg/Kg-dry	1	4/25/2024 10:05 PM
Isophorone	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Isosafrole	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Methapyrilene	ND		1.8	mg/Kg-dry	1	4/25/2024 10:05 PM
Methyl methanesulfonate	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Naphthalene	ND		0.22	mg/Kg-dry	1	4/25/2024 10:05 PM
Nitrobenzene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
N-Nitrosodiethylamine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
N-Nitrosodimethylamine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
N-Nitroso-di-n-butylamine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-16 (6-8')
Collection Date: 4/15/2024 01:35 PM

Work Order: 24040835
Lab ID: 24040835-06
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
N-Nitrosomethylethylamine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
N-Nitrosomorpholine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
N-Nitrosopiperidine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
N-Nitrosopyrrolidine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
o-Toluidine	ND		1.8	mg/Kg-dry	1	4/25/2024 10:05 PM
p-Dimethylaminoazobenzene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Pentachlorobenzene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Pentachloroethane	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Pentachloronitrobenzene	ND		0.73	mg/Kg-dry	1	4/25/2024 10:05 PM
Pentachlorophenol	ND		1.8	mg/Kg-dry	1	4/25/2024 10:05 PM
Phenacetin	ND		0.73	mg/Kg-dry	1	4/25/2024 10:05 PM
Phenanthrene	0.34		0.22	mg/Kg-dry	1	4/25/2024 10:05 PM
Phenol	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Pyrene	3.4		0.22	mg/Kg-dry	1	4/25/2024 10:05 PM
Pyridine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
Safrole	ND		0.37	mg/Kg-dry	1	4/25/2024 10:05 PM
<i>Surr: 2,4,6-Tribromophenol</i>	30.8		14.2-136	%REC	1	4/25/2024 10:05 PM
<i>Surr: 2-Fluorobiphenyl</i>	30.8		30-116	%REC	1	4/25/2024 10:05 PM
<i>Surr: 2-Fluorophenol</i>	26.8		5.42-113	%REC	1	4/25/2024 10:05 PM
<i>Surr: 4-Terphenyl-d14</i>	30.7		27.3-138	%REC	1	4/25/2024 10:05 PM
<i>Surr: Nitrobenzene-d5</i>	31.1		23.7-109	%REC	1	4/25/2024 10:05 PM
<i>Surr: Phenol-d6</i>	29.4		13.8-108	%REC	1	4/25/2024 10:05 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B	Prep: E5035	4/22/24 14:28	Analyst: RA
1,1,1,2-Tetrachloroethane	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
1,1,1-Trichloroethane	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
1,1,2,2-Tetrachloroethane	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
1,1,2-Trichloroethane	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
1,1-Dichloroethane	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
1,1-Dichloroethene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
1,1-Dichloropropene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
1,2,3-Trichlorobenzene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
1,2,3-Trichloropropane	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
1,2,4-Trichlorobenzene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
1,2,4-Trimethylbenzene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
1,2-Dibromo-3-chloropropane	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
1,2-Dibromoethane	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
1,2-Dichlorobenzene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
1,2-Dichloroethane	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
1,2-Dichloropropane	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-16 (6-8')
Collection Date: 4/15/2024 01:35 PM

Work Order: 24040835
Lab ID: 24040835-06
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
1,3-Dichlorobenzene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
1,3-Dichloropropane	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
1,4-Dichlorobenzene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
2,2-Dichloropropane	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
2-Butanone	ND		2.7	mg/Kg-dry	50	4/22/2024 08:57 PM
2-Chlorotoluene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
2-Hexanone	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
4-Chlorotoluene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
4-Methyl-2-pentanone	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Acetone	ND		2.7	mg/Kg-dry	50	4/22/2024 08:57 PM
Benzene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Bromobenzene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Bromochloromethane	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Bromodichloromethane	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Bromoform	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Bromomethane	0.34		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Carbon disulfide	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Carbon tetrachloride	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Chlorobenzene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Chloroethane	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Chloroform	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Chloromethane	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
cis-1,2-Dichloroethene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
cis-1,3-Dichloropropene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Dibromochloromethane	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Dibromomethane	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Dichlorodifluoromethane	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Ethylbenzene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Hexachlorobutadiene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Isopropylbenzene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
m,p-Xylene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Methyl tert-butyl ether	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Methylene chloride	ND		1.1	mg/Kg-dry	50	4/22/2024 08:57 PM
Naphthalene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
n-Butylbenzene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
n-Propylbenzene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
o-Xylene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
p-Isopropyltoluene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
sec-Butylbenzene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-16 (6-8')
Collection Date: 4/15/2024 01:35 PM

Work Order: 24040835
Lab ID: 24040835-06
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
tert-Butylbenzene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Tetrachloroethene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Toluene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
trans-1,2-Dichloroethene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
trans-1,3-Dichloropropene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Trichloroethene	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Trichlorofluoromethane	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Vinyl chloride	ND		0.27	mg/Kg-dry	50	4/22/2024 08:57 PM
Xylenes, Total	ND		0.54	mg/Kg-dry	50	4/22/2024 08:57 PM
<i>Surr: 4-Bromofluorobenzene</i>	108		60-140	%REC	50	4/22/2024 08:57 PM
<i>Surr: Dibromofluoromethane</i>	88.6		60-140	%REC	50	4/22/2024 08:57 PM
<i>Surr: Toluene-d8</i>	111		60-140	%REC	50	4/22/2024 08:57 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-17 (0-2')
Collection Date: 4/15/2024 01:50 PM

Work Order: 24040835
Lab ID: 24040835-07
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/23/24 12:35		Analyst: TSA
Aroclor 1016	ND		0.12	mg/Kg-dry	1	4/26/2024 08:14 AM
Aroclor 1221	ND		0.23	mg/Kg-dry	1	4/26/2024 08:14 AM
Aroclor 1232	ND		0.12	mg/Kg-dry	1	4/26/2024 08:14 AM
Aroclor 1242	ND		0.12	mg/Kg-dry	1	4/26/2024 08:14 AM
Aroclor 1248	ND		0.12	mg/Kg-dry	1	4/26/2024 08:14 AM
Aroclor 1254	ND		0.12	mg/Kg-dry	1	4/26/2024 08:14 AM
Aroclor 1260	ND		0.12	mg/Kg-dry	1	4/26/2024 08:14 AM
Aroclor 1262	ND		0.12	mg/Kg-dry	1	4/26/2024 08:14 AM
Aroclor 1268	ND		0.12	mg/Kg-dry	1	4/26/2024 08:14 AM
Surr: Decachlorobiphenyl	92.0		7.32-154	%REC	1	4/26/2024 08:14 AM
Surr: Tetrachloro-m-xylene	78.0		33.5-152	%REC	1	4/26/2024 08:14 AM
MOISTURE			SM2540B			Analyst: CS
Moisture	14			% of sample	1	4/19/2024
MERCURY BY CVAA			SW7471A	Prep: EPA 7471 4/26/24 14:07		Analyst: JW
Mercury	0.30		0.066	mg/Kg-dry	5	4/29/2024 09:28 AM
METALS BY ICP			SW6010B	Prep: SW3050B 4/26/24 10:55		Analyst: SLT
Antimony	1.9		0.45	mg/Kg-dry	1	4/26/2024 01:48 PM
Arsenic	8.6		1.1	mg/Kg-dry	1	4/26/2024 01:48 PM
Barium	82		4.5	mg/Kg-dry	1	4/26/2024 01:48 PM
Beryllium	0.51		0.22	mg/Kg-dry	1	4/26/2024 01:48 PM
Cadmium	0.80		0.22	mg/Kg-dry	1	4/26/2024 01:48 PM
Chromium	23		2.2	mg/Kg-dry	1	4/26/2024 01:48 PM
Cobalt	6.1		1.1	mg/Kg-dry	1	4/26/2024 01:48 PM
Lead	110		4.5	mg/Kg-dry	1	4/26/2024 01:48 PM
Nickel	41		2.2	mg/Kg-dry	1	4/26/2024 01:48 PM
Selenium	ND		0.67	mg/Kg-dry	1	4/26/2024 01:48 PM
Silver	ND		1.1	mg/Kg-dry	1	4/26/2024 01:48 PM
Thallium	ND		1.1	mg/Kg-dry	1	4/26/2024 01:48 PM
Vanadium	120		1.1	mg/Kg-dry	1	4/26/2024 01:48 PM
Zinc	150		11	mg/Kg-dry	1	4/26/2024 01:48 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C	Prep: SW3546 4/24/24 14:35		Analyst: DTL
1,2,4,5-Tetrachlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
1,2,4-Trichlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
1,2-Dichlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
1,3-Dichlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
1,3-Dinitrobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
1,4-Dichlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-17 (0-2')
Collection Date: 4/15/2024 01:50 PM

Work Order: 24040835
Lab ID: 24040835-07
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1-Methylnaphthalene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:18 PM
1-Naphthylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
2,3,4,6-Tetrachlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
2,4,5-Trichlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
2,4,6-Trichlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
2,4-Dichlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
2,4-Dimethylphenol	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
2,4-Dinitrophenol	ND		1.9	mg/Kg-dry	1	4/25/2024 10:18 PM
2,4-Dinitrotoluene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
2,6-Dichlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
2,6-Dinitrotoluene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
2-Acetylaminofluorene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
2-Chloronaphthalene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
2-Chlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
2-Methylnaphthalene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:18 PM
2-Methylphenol	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
2-Naphthylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
2-Nitroaniline	ND		1.9	mg/Kg-dry	1	4/25/2024 10:18 PM
2-Nitrophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
2-Picoline	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
3&4-Methylphenol	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
3,3'-Dichlorobenzidine	ND		0.77	mg/Kg-dry	1	4/25/2024 10:18 PM
3-Methylcholanthrene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
3-Nitroaniline	ND		1.9	mg/Kg-dry	1	4/25/2024 10:18 PM
4,6-Dinitro-2-methylphenol	ND		1.9	mg/Kg-dry	1	4/25/2024 10:18 PM
4-Aminobiphenyl	ND		0.77	mg/Kg-dry	1	4/25/2024 10:18 PM
4-Bromophenyl phenyl ether	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
4-Chloro-3-methylphenol	ND		0.77	mg/Kg-dry	1	4/25/2024 10:18 PM
4-Chloroaniline	ND		0.77	mg/Kg-dry	1	4/25/2024 10:18 PM
4-Chlorophenyl phenyl ether	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
4-Nitroaniline	ND		0.77	mg/Kg-dry	1	4/25/2024 10:18 PM
4-Nitrophenol	ND		1.9	mg/Kg-dry	1	4/25/2024 10:18 PM
4-Nitroquinoline 1-oxide	ND		1.9	mg/Kg-dry	1	4/25/2024 10:18 PM
5-Nitro-o-toluidine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
7,12-Dimethylbenz(a)anthracene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Acenaphthene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:18 PM
Acenaphthylene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:18 PM
Acetophenone	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Aniline	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Anthracene	0.40		0.23	mg/Kg-dry	1	4/25/2024 10:18 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-17 (0-2')
Collection Date: 4/15/2024 01:50 PM

Work Order: 24040835
Lab ID: 24040835-07
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Azobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Benzidine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Benzo(a)anthracene	1.3		0.12	mg/Kg-dry	1	4/25/2024 10:18 PM
Benzo(a)pyrene	1.4		0.12	mg/Kg-dry	1	4/25/2024 10:18 PM
Benzo(b)fluoranthene	1.7		0.23	mg/Kg-dry	1	4/25/2024 10:18 PM
Benzo(g,h,i)perylene	0.69		0.23	mg/Kg-dry	1	4/25/2024 10:18 PM
Benzo(k)fluoranthene	0.64		0.23	mg/Kg-dry	1	4/25/2024 10:18 PM
Benzyl alcohol	ND		0.77	mg/Kg-dry	1	4/25/2024 10:18 PM
Bis(2-chloroethoxy)methane	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Bis(2-chloroethyl)ether	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Bis(2-chloroisopropyl)ether	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Bis(2-ethylhexyl)phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Butyl benzyl phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Carbazole	ND		0.23	mg/Kg-dry	1	4/25/2024 10:18 PM
Chrysene	1.3		0.23	mg/Kg-dry	1	4/25/2024 10:18 PM
Dibenzo(a,h)anthracene	0.20		0.12	mg/Kg-dry	1	4/25/2024 10:18 PM
Dibenzofuran	ND		0.23	mg/Kg-dry	1	4/25/2024 10:18 PM
Diethyl phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Dimethyl phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Di-n-butyl phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Di-n-octyl phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Dinoseb	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Diphenylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Ethyl methanesulfonate	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Fluoranthene	2.9		0.23	mg/Kg-dry	1	4/25/2024 10:18 PM
Fluorene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:18 PM
Hexachlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Hexachlorobutadiene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Hexachlorocyclopentadiene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Hexachloroethane	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Indeno(1,2,3-cd)pyrene	0.66		0.12	mg/Kg-dry	1	4/25/2024 10:18 PM
Isophorone	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Isosafrole	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Methapyrilene	ND		1.9	mg/Kg-dry	1	4/25/2024 10:18 PM
Methyl methanesulfonate	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Naphthalene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:18 PM
Nitrobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
N-Nitrosodiethylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
N-Nitrosodimethylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
N-Nitroso-di-n-butylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-17 (0-2')
Collection Date: 4/15/2024 01:50 PM

Work Order: 24040835
Lab ID: 24040835-07
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
N-Nitrosomethylethylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
N-Nitrosomorpholine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
N-Nitrosopiperidine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
N-Nitrosopyrrolidine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
o-Toluidine	ND		1.9	mg/Kg-dry	1	4/25/2024 10:18 PM
p-Dimethylaminoazobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Pentachlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Pentachloroethane	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Pentachloronitrobenzene	ND		0.77	mg/Kg-dry	1	4/25/2024 10:18 PM
Pentachlorophenol	ND		1.9	mg/Kg-dry	1	4/25/2024 10:18 PM
Phenacetin	ND		0.77	mg/Kg-dry	1	4/25/2024 10:18 PM
Phenanthrene	1.7		0.23	mg/Kg-dry	1	4/25/2024 10:18 PM
Phenol	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Pyrene	2.3		0.23	mg/Kg-dry	1	4/25/2024 10:18 PM
Pyridine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
Safrole	ND		0.38	mg/Kg-dry	1	4/25/2024 10:18 PM
<i>Surr: 2,4,6-Tribromophenol</i>	<i>65.4</i>		<i>14.2-136</i>	<i>%REC</i>	1	4/25/2024 10:18 PM
<i>Surr: 2-Fluorobiphenyl</i>	<i>65.5</i>		<i>30-116</i>	<i>%REC</i>	1	4/25/2024 10:18 PM
<i>Surr: 2-Fluorophenol</i>	<i>54.8</i>		<i>5.42-113</i>	<i>%REC</i>	1	4/25/2024 10:18 PM
<i>Surr: 4-Terphenyl-d14</i>	<i>65.4</i>		<i>27.3-138</i>	<i>%REC</i>	1	4/25/2024 10:18 PM
<i>Surr: Nitrobenzene-d5</i>	<i>61.3</i>		<i>23.7-109</i>	<i>%REC</i>	1	4/25/2024 10:18 PM
<i>Surr: Phenol-d6</i>	<i>63.3</i>		<i>13.8-108</i>	<i>%REC</i>	1	4/25/2024 10:18 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B	Prep: E5035 4/22/24 14:28		Analyst: RA
1,1,1,2-Tetrachloroethane	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
1,1,1-Trichloroethane	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
1,1,2,2-Tetrachloroethane	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
1,1,2-Trichloroethane	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
1,1-Dichloroethane	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
1,1-Dichloroethene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
1,1-Dichloropropene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
1,2,3-Trichlorobenzene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
1,2,3-Trichloropropane	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
1,2,4-Trichlorobenzene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
1,2,4-Trimethylbenzene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
1,2-Dibromo-3-chloropropane	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
1,2-Dibromoethane	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
1,2-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
1,2-Dichloroethane	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
1,2-Dichloropropane	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-17 (0-2')
Collection Date: 4/15/2024 01:50 PM

Work Order: 24040835
Lab ID: 24040835-07
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
1,3-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
1,3-Dichloropropane	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
1,4-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
2,2-Dichloropropane	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
2-Butanone	ND		0.053	mg/Kg-dry	1	4/22/2024 04:35 PM
2-Chlorotoluene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
2-Hexanone	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
4-Chlorotoluene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
4-Methyl-2-pentanone	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Acetone	ND		0.053	mg/Kg-dry	1	4/22/2024 04:35 PM
Benzene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Bromobenzene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Bromochloromethane	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Bromodichloromethane	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Bromoform	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Bromomethane	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Carbon disulfide	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Carbon tetrachloride	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Chlorobenzene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Chloroethane	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Chloroform	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Chloromethane	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
cis-1,2-Dichloroethene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
cis-1,3-Dichloropropene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Dibromochloromethane	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Dibromomethane	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Dichlorodifluoromethane	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Ethylbenzene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Hexachlorobutadiene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Isopropylbenzene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
m,p-Xylene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Methyl tert-butyl ether	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	4/22/2024 04:35 PM
Naphthalene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
n-Butylbenzene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
n-Propylbenzene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
o-Xylene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
p-Isopropyltoluene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
sec-Butylbenzene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-17 (0-2')
Collection Date: 4/15/2024 01:50 PM

Work Order: 24040835
Lab ID: 24040835-07
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
tert-Butylbenzene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Tetrachloroethene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Toluene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
trans-1,2-Dichloroethene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
trans-1,3-Dichloropropene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Trichloroethene	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Trichlorofluoromethane	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Vinyl chloride	ND		0.0053	mg/Kg-dry	1	4/22/2024 04:35 PM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	4/22/2024 04:35 PM
<i>Surr: 4-Bromofluorobenzene</i>	109		60-140	%REC	1	4/22/2024 04:35 PM
<i>Surr: Dibromofluoromethane</i>	119		60-140	%REC	1	4/22/2024 04:35 PM
<i>Surr: Toluene-d8</i>	105		60-140	%REC	1	4/22/2024 04:35 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-20 (0-2')
Collection Date: 4/15/2024 02:45 PM

Work Order: 24040835
Lab ID: 24040835-08
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/23/24 12:35		Analyst: TSA
Aroclor 1016	ND		0.12	mg/Kg-dry	1	4/26/2024 09:03 AM
Aroclor 1221	ND		0.23	mg/Kg-dry	1	4/26/2024 09:03 AM
Aroclor 1232	ND		0.12	mg/Kg-dry	1	4/26/2024 09:03 AM
Aroclor 1242	ND		0.12	mg/Kg-dry	1	4/26/2024 09:03 AM
Aroclor 1248	ND		0.12	mg/Kg-dry	1	4/26/2024 09:03 AM
Aroclor 1254	ND		0.12	mg/Kg-dry	1	4/26/2024 09:03 AM
Aroclor 1260	0.22		0.12	mg/Kg-dry	1	4/26/2024 09:03 AM
Aroclor 1262	ND		0.12	mg/Kg-dry	1	4/26/2024 09:03 AM
Aroclor 1268	ND		0.12	mg/Kg-dry	1	4/26/2024 09:03 AM
Surr: Decachlorobiphenyl	94.0		7.32-154	%REC	1	4/26/2024 09:03 AM
Surr: Tetrachloro-m-xylene	86.0		33.5-152	%REC	1	4/26/2024 09:03 AM
MOISTURE			SM2540B			Analyst: CS
Moisture	14			% of sample	1	4/19/2024
MERCURY BY CVAA			SW7471A	Prep: EPA 7471 4/26/24 14:07		Analyst: JW
Mercury	2.2		0.27	mg/Kg-dry	20	4/29/2024 09:35 AM
METALS BY ICP			SW6010B	Prep: SW3050B 4/26/24 10:55		Analyst: SLT
Antimony	1.8		0.43	mg/Kg-dry	1	4/26/2024 01:49 PM
Arsenic	8.8		1.1	mg/Kg-dry	1	4/26/2024 01:49 PM
Barium	160		4.3	mg/Kg-dry	1	4/26/2024 01:49 PM
Beryllium	0.31		0.22	mg/Kg-dry	1	4/26/2024 01:49 PM
Cadmium	1.6		0.22	mg/Kg-dry	1	4/26/2024 01:49 PM
Chromium	11		2.2	mg/Kg-dry	1	4/26/2024 01:49 PM
Cobalt	3.0		1.1	mg/Kg-dry	1	4/26/2024 01:49 PM
Lead	450		4.3	mg/Kg-dry	1	4/26/2024 01:49 PM
Nickel	11		2.2	mg/Kg-dry	1	4/26/2024 01:49 PM
Selenium	ND		0.65	mg/Kg-dry	1	4/26/2024 01:49 PM
Silver	ND		1.1	mg/Kg-dry	1	4/26/2024 01:49 PM
Thallium	ND		1.1	mg/Kg-dry	1	4/26/2024 01:49 PM
Vanadium	550		1.1	mg/Kg-dry	1	4/26/2024 01:49 PM
Zinc	270		11	mg/Kg-dry	1	4/26/2024 01:49 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C	Prep: SW3546 4/24/24 14:35		Analyst: DTL
1,2,4,5-Tetrachlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
1,2,4-Trichlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
1,2-Dichlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
1,3-Dichlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
1,3-Dinitrobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
1,4-Dichlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-20 (0-2')
Collection Date: 4/15/2024 02:45 PM

Work Order: 24040835
Lab ID: 24040835-08
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1-Methylnaphthalene	ND		0.23	mg/Kg-dry	1	4/25/2024 11:14 PM
1-Naphthylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
2,3,4,6-Tetrachlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
2,4,5-Trichlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
2,4,6-Trichlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
2,4-Dichlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
2,4-Dimethylphenol	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
2,4-Dinitrophenol	ND		1.9	mg/Kg-dry	1	4/25/2024 11:14 PM
2,4-Dinitrotoluene	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
2,6-Dichlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
2,6-Dinitrotoluene	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
2-Acetylaminofluorene	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
2-Chloronaphthalene	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
2-Chlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
2-Methylnaphthalene	ND		0.23	mg/Kg-dry	1	4/25/2024 11:14 PM
2-Methylphenol	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
2-Naphthylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
2-Nitroaniline	ND		1.9	mg/Kg-dry	1	4/25/2024 11:14 PM
2-Nitrophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
2-Picoline	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
3&4-Methylphenol	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
3,3'-Dichlorobenzidine	ND		0.77	mg/Kg-dry	1	4/25/2024 11:14 PM
3-Methylcholanthrene	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
3-Nitroaniline	ND		1.9	mg/Kg-dry	1	4/25/2024 11:14 PM
4,6-Dinitro-2-methylphenol	ND		1.9	mg/Kg-dry	1	4/25/2024 11:14 PM
4-Aminobiphenyl	ND		0.77	mg/Kg-dry	1	4/25/2024 11:14 PM
4-Bromophenyl phenyl ether	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
4-Chloro-3-methylphenol	ND		0.77	mg/Kg-dry	1	4/25/2024 11:14 PM
4-Chloroaniline	ND		0.77	mg/Kg-dry	1	4/25/2024 11:14 PM
4-Chlorophenyl phenyl ether	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
4-Nitroaniline	ND		0.77	mg/Kg-dry	1	4/25/2024 11:14 PM
4-Nitrophenol	ND		1.9	mg/Kg-dry	1	4/25/2024 11:14 PM
4-Nitroquinoline 1-oxide	ND		1.9	mg/Kg-dry	1	4/25/2024 11:14 PM
5-Nitro-o-toluidine	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
7,12-Dimethylbenz(a)anthracene	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Acenaphthene	1.1		0.23	mg/Kg-dry	1	4/25/2024 11:14 PM
Acenaphthylene	0.24		0.23	mg/Kg-dry	1	4/25/2024 11:14 PM
Acetophenone	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Aniline	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Anthracene	3.2		0.23	mg/Kg-dry	1	4/25/2024 11:14 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-20 (0-2')
Collection Date: 4/15/2024 02:45 PM

Work Order: 24040835
Lab ID: 24040835-08
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Azobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Benzidine	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Benzo(a)anthracene	9.1		1.2	mg/Kg-dry	10	4/27/2024 01:22 AM
Benzo(a)pyrene	7.4		1.2	mg/Kg-dry	10	4/27/2024 01:22 AM
Benzo(b)fluoranthene	9.5		2.3	mg/Kg-dry	10	4/27/2024 01:22 AM
Benzo(g,h,i)perylene	5.3		2.3	mg/Kg-dry	10	4/27/2024 01:22 AM
Benzo(k)fluoranthene	3.7		2.3	mg/Kg-dry	10	4/27/2024 01:22 AM
Benzyl alcohol	ND		0.77	mg/Kg-dry	1	4/25/2024 11:14 PM
Bis(2-chloroethoxy)methane	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Bis(2-chloroethyl)ether	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Bis(2-chloroisopropyl)ether	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Bis(2-ethylhexyl)phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Butyl benzyl phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Carbazole	1.3		0.23	mg/Kg-dry	1	4/25/2024 11:14 PM
Chrysene	8.8		2.3	mg/Kg-dry	10	4/27/2024 01:22 AM
Dibenzo(a,h)anthracene	1.6		0.12	mg/Kg-dry	1	4/25/2024 11:14 PM
Dibenzofuran	0.57		0.23	mg/Kg-dry	1	4/25/2024 11:14 PM
Diethyl phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Dimethyl phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Di-n-butyl phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Di-n-octyl phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Dinoseb	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Diphenylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Ethyl methanesulfonate	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Fluoranthene	19		2.3	mg/Kg-dry	10	4/27/2024 01:22 AM
Fluorene	1.1		0.23	mg/Kg-dry	1	4/25/2024 11:14 PM
Hexachlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Hexachlorobutadiene	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Hexachlorocyclopentadiene	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Hexachloroethane	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Indeno(1,2,3-cd)pyrene	4.3		1.2	mg/Kg-dry	10	4/27/2024 01:22 AM
Isophorone	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Isosafrole	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Methapyrilene	ND		1.9	mg/Kg-dry	1	4/25/2024 11:14 PM
Methyl methanesulfonate	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Naphthalene	0.31		0.23	mg/Kg-dry	1	4/25/2024 11:14 PM
Nitrobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
N-Nitrosodiethylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
N-Nitrosodimethylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
N-Nitroso-di-n-butylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-20 (0-2')
Collection Date: 4/15/2024 02:45 PM

Work Order: 24040835
Lab ID: 24040835-08
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
N-Nitrosomethylethylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
N-Nitrosomorpholine	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
N-Nitrosopiperidine	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
N-Nitrosopyrrolidine	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
o-Toluidine	ND		1.9	mg/Kg-dry	1	4/25/2024 11:14 PM
p-Dimethylaminoazobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Pentachlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Pentachloroethane	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Pentachloronitrobenzene	ND		0.77	mg/Kg-dry	1	4/25/2024 11:14 PM
Pentachlorophenol	ND		1.9	mg/Kg-dry	1	4/25/2024 11:14 PM
Phenacetin	ND		0.77	mg/Kg-dry	1	4/25/2024 11:14 PM
Phenanthrene	12		2.3	mg/Kg-dry	10	4/27/2024 01:22 AM
Phenol	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Pyrene	15		2.3	mg/Kg-dry	10	4/27/2024 01:22 AM
Pyridine	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
Safrole	ND		0.38	mg/Kg-dry	1	4/25/2024 11:14 PM
<i>Surr: 2,4,6-Tribromophenol</i>	48.7		14.2-136	%REC	1	4/25/2024 11:14 PM
<i>Surr: 2-Fluorobiphenyl</i>	49.2		30-116	%REC	1	4/25/2024 11:14 PM
<i>Surr: 2-Fluorophenol</i>	42.1		5.42-113	%REC	1	4/25/2024 11:14 PM
<i>Surr: 4-Terphenyl-d14</i>	47.4		27.3-138	%REC	1	4/25/2024 11:14 PM
<i>Surr: Nitrobenzene-d5</i>	48.1		23.7-109	%REC	1	4/25/2024 11:14 PM
<i>Surr: Phenol-d6</i>	49.0		13.8-108	%REC	1	4/25/2024 11:14 PM

VOLATILE ORGANIC COMPOUNDS

SW8260B

Prep: E5035 4/22/24 14:28

Analyst: RA

1,1,1,2-Tetrachloroethane	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
1,1,1-Trichloroethane	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
1,1,2,2-Tetrachloroethane	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
1,1,2-Trichloroethane	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
1,1-Dichloroethane	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
1,1-Dichloroethene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
1,1-Dichloropropene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
1,2,3-Trichlorobenzene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
1,2,3-Trichloropropane	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
1,2,4-Trichlorobenzene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
1,2,4-Trimethylbenzene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
1,2-Dibromo-3-chloropropane	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
1,2-Dibromoethane	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
1,2-Dichlorobenzene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
1,2-Dichloroethane	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
1,2-Dichloropropane	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-20 (0-2')
Collection Date: 4/15/2024 02:45 PM

Work Order: 24040835
Lab ID: 24040835-08
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
1,3-Dichlorobenzene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
1,3-Dichloropropane	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
1,4-Dichlorobenzene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
2,2-Dichloropropane	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
2-Butanone	ND		0.060	mg/Kg-dry	1	4/22/2024 04:55 PM
2-Chlorotoluene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
2-Hexanone	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
4-Chlorotoluene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
4-Methyl-2-pentanone	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Acetone	ND		0.060	mg/Kg-dry	1	4/22/2024 04:55 PM
Benzene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Bromobenzene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Bromochloromethane	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Bromodichloromethane	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Bromoform	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Bromomethane	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Carbon disulfide	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Carbon tetrachloride	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Chlorobenzene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Chloroethane	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Chloroform	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Chloromethane	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
cis-1,2-Dichloroethene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
cis-1,3-Dichloropropene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Dibromochloromethane	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Dibromomethane	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Dichlorodifluoromethane	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Ethylbenzene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Hexachlorobutadiene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Isopropylbenzene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
m,p-Xylene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Methyl tert-butyl ether	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Methylene chloride	ND		0.024	mg/Kg-dry	1	4/22/2024 04:55 PM
Naphthalene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
n-Butylbenzene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
n-Propylbenzene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
o-Xylene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
p-Isopropyltoluene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
sec-Butylbenzene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-20 (0-2')
Collection Date: 4/15/2024 02:45 PM

Work Order: 24040835
Lab ID: 24040835-08
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
tert-Butylbenzene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Tetrachloroethene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Toluene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
trans-1,2-Dichloroethene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
trans-1,3-Dichloropropene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Trichloroethene	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Trichlorofluoromethane	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Vinyl chloride	ND		0.0060	mg/Kg-dry	1	4/22/2024 04:55 PM
Xylenes, Total	ND		0.012	mg/Kg-dry	1	4/22/2024 04:55 PM
<i>Surr: 4-Bromofluorobenzene</i>	119		60-140	%REC	1	4/22/2024 04:55 PM
<i>Surr: Dibromofluoromethane</i>	110		60-140	%REC	1	4/22/2024 04:55 PM
<i>Surr: Toluene-d8</i>	103		60-140	%REC	1	4/22/2024 04:55 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-19 (0-2')
Collection Date: 4/15/2024 03:05 PM

Work Order: 24040835
Lab ID: 24040835-09
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/23/24 12:35		Analyst: TSA
Aroclor 1016	ND		0.11	mg/Kg-dry	1	4/26/2024 09:19 AM
Aroclor 1221	ND		0.23	mg/Kg-dry	1	4/26/2024 09:19 AM
Aroclor 1232	ND		0.11	mg/Kg-dry	1	4/26/2024 09:19 AM
Aroclor 1242	ND		0.11	mg/Kg-dry	1	4/26/2024 09:19 AM
Aroclor 1248	ND		0.11	mg/Kg-dry	1	4/26/2024 09:19 AM
Aroclor 1254	ND		0.11	mg/Kg-dry	1	4/26/2024 09:19 AM
Aroclor 1260	ND		0.11	mg/Kg-dry	1	4/26/2024 09:19 AM
Aroclor 1262	ND		0.11	mg/Kg-dry	1	4/26/2024 09:19 AM
Aroclor 1268	ND		0.11	mg/Kg-dry	1	4/26/2024 09:19 AM
Surr: Decachlorobiphenyl	90.0		7.32-154	%REC	1	4/26/2024 09:19 AM
Surr: Tetrachloro-m-xylene	96.0		33.5-152	%REC	1	4/26/2024 09:19 AM
MOISTURE			SM2540B			Analyst: CS
Moisture	13			% of sample	1	4/19/2024
MERCURY BY CVAA			SW7471A	Prep: EPA 7471 4/26/24 14:07		Analyst: JW
Mercury	0.019		0.013	mg/Kg-dry	1	4/29/2024 09:37 AM
METALS BY ICP			SW6010B	Prep: SW3050B 4/26/24 10:55		Analyst: SLT
Antimony	1.4		0.43	mg/Kg-dry	1	4/26/2024 01:54 PM
Arsenic	8.4		1.1	mg/Kg-dry	1	4/26/2024 01:54 PM
Barium	30		4.3	mg/Kg-dry	1	4/26/2024 01:54 PM
Beryllium	0.22		0.22	mg/Kg-dry	1	4/26/2024 01:54 PM
Cadmium	0.36		0.22	mg/Kg-dry	1	4/26/2024 01:54 PM
Chromium	7.8		2.2	mg/Kg-dry	1	4/26/2024 01:54 PM
Cobalt	4.9		1.1	mg/Kg-dry	1	4/26/2024 01:54 PM
Lead	23		4.3	mg/Kg-dry	1	4/26/2024 01:54 PM
Nickel	14		2.2	mg/Kg-dry	1	4/26/2024 01:54 PM
Selenium	ND		0.65	mg/Kg-dry	1	4/26/2024 01:54 PM
Silver	ND		1.1	mg/Kg-dry	1	4/26/2024 01:54 PM
Thallium	ND		1.1	mg/Kg-dry	1	4/26/2024 01:54 PM
Vanadium	320		1.1	mg/Kg-dry	1	4/26/2024 01:54 PM
Zinc	110		11	mg/Kg-dry	1	4/26/2024 01:54 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C	Prep: SW3546 4/24/24 14:35		Analyst: DTL
1,2,4,5-Tetrachlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
1,2,4-Trichlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
1,2-Dichlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
1,3-Dichlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
1,3-Dinitrobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
1,4-Dichlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-19 (0-2')
Collection Date: 4/15/2024 03:05 PM

Work Order: 24040835
Lab ID: 24040835-09
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1-Methylnaphthalene	ND		0.23	mg/Kg-dry	1	4/25/2024 04:05 PM
1-Naphthylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
2,3,4,6-Tetrachlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
2,4,5-Trichlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
2,4,6-Trichlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
2,4-Dichlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
2,4-Dimethylphenol	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
2,4-Dinitrophenol	ND		1.9	mg/Kg-dry	1	4/25/2024 04:05 PM
2,4-Dinitrotoluene	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
2,6-Dichlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
2,6-Dinitrotoluene	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
2-Acetylaminofluorene	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
2-Chloronaphthalene	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
2-Chlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
2-Methylnaphthalene	ND		0.23	mg/Kg-dry	1	4/25/2024 04:05 PM
2-Methylphenol	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
2-Naphthylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
2-Nitroaniline	ND		1.9	mg/Kg-dry	1	4/25/2024 04:05 PM
2-Nitrophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
2-Picoline	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
3&4-Methylphenol	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
3,3'-Dichlorobenzidine	ND		0.76	mg/Kg-dry	1	4/25/2024 04:05 PM
3-Methylcholanthrene	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
3-Nitroaniline	ND		1.9	mg/Kg-dry	1	4/25/2024 04:05 PM
4,6-Dinitro-2-methylphenol	ND		1.9	mg/Kg-dry	1	4/25/2024 04:05 PM
4-Aminobiphenyl	ND		0.76	mg/Kg-dry	1	4/25/2024 04:05 PM
4-Bromophenyl phenyl ether	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
4-Chloro-3-methylphenol	ND		0.76	mg/Kg-dry	1	4/25/2024 04:05 PM
4-Chloroaniline	ND		0.76	mg/Kg-dry	1	4/25/2024 04:05 PM
4-Chlorophenyl phenyl ether	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
4-Nitroaniline	ND		0.76	mg/Kg-dry	1	4/25/2024 04:05 PM
4-Nitrophenol	ND		1.9	mg/Kg-dry	1	4/25/2024 04:05 PM
4-Nitroquinoline 1-oxide	ND		1.9	mg/Kg-dry	1	4/25/2024 04:05 PM
5-Nitro-o-toluidine	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
7,12-Dimethylbenz(a)anthracene	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Acenaphthene	ND		0.23	mg/Kg-dry	1	4/25/2024 04:05 PM
Acenaphthylene	ND		0.23	mg/Kg-dry	1	4/25/2024 04:05 PM
Acetophenone	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Aniline	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Anthracene	ND		0.23	mg/Kg-dry	1	4/25/2024 04:05 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-19 (0-2')
Collection Date: 4/15/2024 03:05 PM

Work Order: 24040835
Lab ID: 24040835-09
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Azobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Benzidine	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Benzo(a)anthracene	ND		0.11	mg/Kg-dry	1	4/25/2024 04:05 PM
Benzo(a)pyrene	ND		0.11	mg/Kg-dry	1	4/25/2024 04:05 PM
Benzo(b)fluoranthene	ND		0.23	mg/Kg-dry	1	4/25/2024 04:05 PM
Benzo(g,h,i)perylene	ND		0.23	mg/Kg-dry	1	4/25/2024 04:05 PM
Benzo(k)fluoranthene	ND		0.23	mg/Kg-dry	1	4/25/2024 04:05 PM
Benzyl alcohol	ND		0.76	mg/Kg-dry	1	4/25/2024 04:05 PM
Bis(2-chloroethoxy)methane	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Bis(2-chloroethyl)ether	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Bis(2-chloroisopropyl)ether	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Bis(2-ethylhexyl)phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Butyl benzyl phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Carbazole	ND		0.23	mg/Kg-dry	1	4/25/2024 04:05 PM
Chrysene	ND		0.23	mg/Kg-dry	1	4/25/2024 04:05 PM
Dibenzo(a,h)anthracene	ND		0.11	mg/Kg-dry	1	4/25/2024 04:05 PM
Dibenzofuran	ND		0.23	mg/Kg-dry	1	4/25/2024 04:05 PM
Diethyl phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Dimethyl phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Di-n-butyl phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Di-n-octyl phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Dinoseb	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Diphenylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Ethyl methanesulfonate	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Fluoranthene	ND		0.23	mg/Kg-dry	1	4/25/2024 04:05 PM
Fluorene	ND		0.23	mg/Kg-dry	1	4/25/2024 04:05 PM
Hexachlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Hexachlorobutadiene	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Hexachlorocyclopentadiene	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Hexachloroethane	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Indeno(1,2,3-cd)pyrene	ND		0.11	mg/Kg-dry	1	4/25/2024 04:05 PM
Isophorone	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Isosafrole	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Methapyrilene	ND		1.9	mg/Kg-dry	1	4/25/2024 04:05 PM
Methyl methanesulfonate	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Naphthalene	ND		0.23	mg/Kg-dry	1	4/25/2024 04:05 PM
Nitrobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
N-Nitrosodiethylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
N-Nitrosodimethylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
N-Nitroso-di-n-butylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-19 (0-2')
Collection Date: 4/15/2024 03:05 PM

Work Order: 24040835
Lab ID: 24040835-09
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
N-Nitrosomethylethylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
N-Nitrosomorpholine	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
N-Nitrosopiperidine	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
N-Nitrosopyrrolidine	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
o-Toluidine	ND		1.9	mg/Kg-dry	1	4/25/2024 04:05 PM
p-Dimethylaminoazobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Pentachlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Pentachloroethane	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Pentachloronitrobenzene	ND		0.76	mg/Kg-dry	1	4/25/2024 04:05 PM
Pentachlorophenol	ND		1.9	mg/Kg-dry	1	4/25/2024 04:05 PM
Phenacetin	ND		0.76	mg/Kg-dry	1	4/25/2024 04:05 PM
Phenanthrene	ND		0.23	mg/Kg-dry	1	4/25/2024 04:05 PM
Phenol	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Pyrene	ND		0.23	mg/Kg-dry	1	4/25/2024 04:05 PM
Pyridine	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
Safrole	ND		0.38	mg/Kg-dry	1	4/25/2024 04:05 PM
<i>Surr: 2,4,6-Tribromophenol</i>	5.04	S	14.2-136	%REC	1	4/25/2024 04:05 PM
<i>Surr: 2-Fluorobiphenyl</i>	69.9		30-116	%REC	1	4/25/2024 04:05 PM
<i>Surr: 2-Fluorophenol</i>	12.5		5.42-113	%REC	1	4/25/2024 04:05 PM
<i>Surr: 4-Terphenyl-d14</i>	69.4		27.3-138	%REC	1	4/25/2024 04:05 PM
<i>Surr: Nitrobenzene-d5</i>	72.4		23.7-109	%REC	1	4/25/2024 04:05 PM
<i>Surr: Phenol-d6</i>	53.1		13.8-108	%REC	1	4/25/2024 04:05 PM

VOLATILE ORGANIC COMPOUNDS

SW8260B

Prep: E5035 4/22/24 14:28

Analyst: RA

1,1,1,2-Tetrachloroethane	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
1,1,1-Trichloroethane	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
1,1,2,2-Tetrachloroethane	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
1,1,2-Trichloroethane	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
1,1-Dichloroethane	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
1,1-Dichloroethene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
1,1-Dichloropropene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
1,2,3-Trichlorobenzene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
1,2,3-Trichloropropane	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
1,2,4-Trichlorobenzene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
1,2,4-Trimethylbenzene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
1,2-Dibromo-3-chloropropane	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
1,2-Dibromoethane	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
1,2-Dichlorobenzene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
1,2-Dichloroethane	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
1,2-Dichloropropane	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-19 (0-2')
Collection Date: 4/15/2024 03:05 PM

Work Order: 24040835
Lab ID: 24040835-09
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
1,3-Dichlorobenzene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
1,3-Dichloropropane	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
1,4-Dichlorobenzene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
2,2-Dichloropropane	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
2-Butanone	ND		0.045	mg/Kg-dry	1	4/22/2024 05:15 PM
2-Chlorotoluene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
2-Hexanone	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
4-Chlorotoluene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
4-Methyl-2-pentanone	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Acetone	ND		0.045	mg/Kg-dry	1	4/22/2024 05:15 PM
Benzene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Bromobenzene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Bromochloromethane	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Bromodichloromethane	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Bromoform	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Bromomethane	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Carbon disulfide	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Carbon tetrachloride	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Chlorobenzene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Chloroethane	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Chloroform	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Chloromethane	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
cis-1,2-Dichloroethene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
cis-1,3-Dichloropropene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Dibromochloromethane	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Dibromomethane	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Dichlorodifluoromethane	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Ethylbenzene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Hexachlorobutadiene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Isopropylbenzene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
m,p-Xylene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Methyl tert-butyl ether	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Methylene chloride	ND		0.018	mg/Kg-dry	1	4/22/2024 05:15 PM
Naphthalene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
n-Butylbenzene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
n-Propylbenzene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
o-Xylene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
p-Isopropyltoluene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
sec-Butylbenzene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-19 (0-2')
Collection Date: 4/15/2024 03:05 PM

Work Order: 24040835
Lab ID: 24040835-09
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
tert-Butylbenzene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Tetrachloroethene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Toluene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
trans-1,2-Dichloroethene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
trans-1,3-Dichloropropene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Trichloroethene	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Trichlorofluoromethane	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Vinyl chloride	ND		0.0045	mg/Kg-dry	1	4/22/2024 05:15 PM
Xylenes, Total	ND		0.0089	mg/Kg-dry	1	4/22/2024 05:15 PM
<i>Surr: 4-Bromofluorobenzene</i>	111		60-140	%REC	1	4/22/2024 05:15 PM
<i>Surr: Dibromofluoromethane</i>	108		60-140	%REC	1	4/22/2024 05:15 PM
<i>Surr: Toluene-d8</i>	102		60-140	%REC	1	4/22/2024 05:15 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-18 (0-2')
Collection Date: 4/15/2024 03:20 PM

Work Order: 24040835
Lab ID: 24040835-10
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/23/24 12:35		Analyst: TSA
Aroclor 1016	ND		0.12	mg/Kg-dry	1	4/26/2024 09:35 AM
Aroclor 1221	ND		0.23	mg/Kg-dry	1	4/26/2024 09:35 AM
Aroclor 1232	ND		0.12	mg/Kg-dry	1	4/26/2024 09:35 AM
Aroclor 1242	ND		0.12	mg/Kg-dry	1	4/26/2024 09:35 AM
Aroclor 1248	ND		0.12	mg/Kg-dry	1	4/26/2024 09:35 AM
Aroclor 1254	ND		0.12	mg/Kg-dry	1	4/26/2024 09:35 AM
Aroclor 1260	ND		0.12	mg/Kg-dry	1	4/26/2024 09:35 AM
Aroclor 1262	ND		0.12	mg/Kg-dry	1	4/26/2024 09:35 AM
Aroclor 1268	ND		0.12	mg/Kg-dry	1	4/26/2024 09:35 AM
Surr: Decachlorobiphenyl	88.0		7.32-154	%REC	1	4/26/2024 09:35 AM
Surr: Tetrachloro-m-xylene	94.0		33.5-152	%REC	1	4/26/2024 09:35 AM
MOISTURE			SM2540B			Analyst: CS
Moisture	14			% of sample	1	4/19/2024
MERCURY BY CVAA			SW7471A	Prep: EPA 7471 4/26/24 14:07		Analyst: JW
Mercury	0.028		0.014	mg/Kg-dry	1	4/29/2024 09:39 AM
METALS BY ICP			SW6010B	Prep: SW3050B 4/26/24 10:55		Analyst: SLT
Antimony	1.4		0.46	mg/Kg-dry	1	4/26/2024 01:56 PM
Arsenic	17		1.1	mg/Kg-dry	1	4/26/2024 01:56 PM
Barium	28		4.6	mg/Kg-dry	1	4/26/2024 01:56 PM
Beryllium	0.23	J	0.23	mg/Kg-dry	1	4/26/2024 01:56 PM
Cadmium	ND		0.23	mg/Kg-dry	1	4/26/2024 01:56 PM
Chromium	20		2.3	mg/Kg-dry	1	4/26/2024 01:56 PM
Cobalt	3.8		1.1	mg/Kg-dry	1	4/26/2024 01:56 PM
Lead	19		4.6	mg/Kg-dry	1	4/26/2024 01:56 PM
Nickel	12		2.3	mg/Kg-dry	1	4/26/2024 01:56 PM
Selenium	ND		0.68	mg/Kg-dry	1	4/26/2024 01:56 PM
Silver	ND		1.1	mg/Kg-dry	1	4/26/2024 01:56 PM
Thallium	ND		1.1	mg/Kg-dry	1	4/26/2024 01:56 PM
Vanadium	27		1.1	mg/Kg-dry	1	4/26/2024 01:56 PM
Zinc	75		11	mg/Kg-dry	1	4/26/2024 01:56 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C	Prep: SW3546 4/24/24 14:35		Analyst: DTL
1,2,4,5-Tetrachlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
1,2,4-Trichlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
1,2-Dichlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
1,3-Dichlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
1,3-Dinitrobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
1,4-Dichlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-18 (0-2')
Collection Date: 4/15/2024 03:20 PM

Work Order: 24040835
Lab ID: 24040835-10
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1-Methylnaphthalene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:32 PM
1-Naphthylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
2,3,4,6-Tetrachlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
2,4,5-Trichlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
2,4,6-Trichlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
2,4-Dichlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
2,4-Dimethylphenol	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
2,4-Dinitrophenol	ND		1.9	mg/Kg-dry	1	4/25/2024 10:32 PM
2,4-Dinitrotoluene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
2,6-Dichlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
2,6-Dinitrotoluene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
2-Acetylaminofluorene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
2-Chloronaphthalene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
2-Chlorophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
2-Methylnaphthalene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:32 PM
2-Methylphenol	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
2-Naphthylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
2-Nitroaniline	ND		1.9	mg/Kg-dry	1	4/25/2024 10:32 PM
2-Nitrophenol	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
2-Picoline	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
3&4-Methylphenol	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
3,3'-Dichlorobenzidine	ND		0.76	mg/Kg-dry	1	4/25/2024 10:32 PM
3-Methylcholanthrene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
3-Nitroaniline	ND		1.9	mg/Kg-dry	1	4/25/2024 10:32 PM
4,6-Dinitro-2-methylphenol	ND		1.9	mg/Kg-dry	1	4/25/2024 10:32 PM
4-Aminobiphenyl	ND		0.76	mg/Kg-dry	1	4/25/2024 10:32 PM
4-Bromophenyl phenyl ether	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
4-Chloro-3-methylphenol	ND		0.76	mg/Kg-dry	1	4/25/2024 10:32 PM
4-Chloroaniline	ND		0.76	mg/Kg-dry	1	4/25/2024 10:32 PM
4-Chlorophenyl phenyl ether	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
4-Nitroaniline	ND		0.76	mg/Kg-dry	1	4/25/2024 10:32 PM
4-Nitrophenol	ND		1.9	mg/Kg-dry	1	4/25/2024 10:32 PM
4-Nitroquinoline 1-oxide	ND		1.9	mg/Kg-dry	1	4/25/2024 10:32 PM
5-Nitro-o-toluidine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
7,12-Dimethylbenz(a)anthracene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Acenaphthene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:32 PM
Acenaphthylene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:32 PM
Acetophenone	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Aniline	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Anthracene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:32 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-18 (0-2')
Collection Date: 4/15/2024 03:20 PM

Work Order: 24040835
Lab ID: 24040835-10
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Azobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Benzidine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Benzo(a)anthracene	ND		0.12	mg/Kg-dry	1	4/25/2024 10:32 PM
Benzo(a)pyrene	ND		0.12	mg/Kg-dry	1	4/25/2024 10:32 PM
Benzo(b)fluoranthene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:32 PM
Benzo(g,h,i)perylene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:32 PM
Benzo(k)fluoranthene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:32 PM
Benzyl alcohol	ND		0.76	mg/Kg-dry	1	4/25/2024 10:32 PM
Bis(2-chloroethoxy)methane	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Bis(2-chloroethyl)ether	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Bis(2-chloroisopropyl)ether	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Bis(2-ethylhexyl)phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Butyl benzyl phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Carbazole	ND		0.23	mg/Kg-dry	1	4/25/2024 10:32 PM
Chrysene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:32 PM
Dibenzo(a,h)anthracene	ND		0.12	mg/Kg-dry	1	4/25/2024 10:32 PM
Dibenzofuran	ND		0.23	mg/Kg-dry	1	4/25/2024 10:32 PM
Diethyl phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Dimethyl phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Di-n-butyl phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Di-n-octyl phthalate	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Dinoseb	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Diphenylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Ethyl methanesulfonate	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Fluoranthene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:32 PM
Fluorene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:32 PM
Hexachlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Hexachlorobutadiene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Hexachlorocyclopentadiene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Hexachloroethane	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Indeno(1,2,3-cd)pyrene	ND		0.12	mg/Kg-dry	1	4/25/2024 10:32 PM
Isophorone	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Isosafrole	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Methapyrilene	ND		1.9	mg/Kg-dry	1	4/25/2024 10:32 PM
Methyl methanesulfonate	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Naphthalene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:32 PM
Nitrobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
N-Nitrosodiethylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
N-Nitrosodimethylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
N-Nitroso-di-n-butylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-18 (0-2')
Collection Date: 4/15/2024 03:20 PM

Work Order: 24040835
Lab ID: 24040835-10
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
N-Nitrosomethylethylamine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
N-Nitrosomorpholine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
N-Nitrosopiperidine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
N-Nitrosopyrrolidine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
o-Toluidine	ND		1.9	mg/Kg-dry	1	4/25/2024 10:32 PM
p-Dimethylaminoazobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Pentachlorobenzene	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Pentachloroethane	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Pentachloronitrobenzene	ND		0.76	mg/Kg-dry	1	4/25/2024 10:32 PM
Pentachlorophenol	ND		1.9	mg/Kg-dry	1	4/25/2024 10:32 PM
Phenacetin	ND		0.76	mg/Kg-dry	1	4/25/2024 10:32 PM
Phenanthrene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:32 PM
Phenol	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Pyrene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:32 PM
Pyridine	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Safrole	ND		0.38	mg/Kg-dry	1	4/25/2024 10:32 PM
Surr: 2,4,6-Tribromophenol	65.5		14.2-136	%REC	1	4/25/2024 10:32 PM
Surr: 2-Fluorobiphenyl	70.6		30-116	%REC	1	4/25/2024 10:32 PM
Surr: 2-Fluorophenol	67.7		5.42-113	%REC	1	4/25/2024 10:32 PM
Surr: 4-Terphenyl-d14	63.9		27.3-138	%REC	1	4/25/2024 10:32 PM
Surr: Nitrobenzene-d5	74.0		23.7-109	%REC	1	4/25/2024 10:32 PM
Surr: Phenol-d6	72.4		13.8-108	%REC	1	4/25/2024 10:32 PM

VOLATILE ORGANIC COMPOUNDS

SW8260B

Prep: E5035 4/22/24 14:28

Analyst: RA

1,1,1,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
1,1,1-Trichloroethane	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
1,1,2,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
1,1,2-Trichloroethane	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
1,1-Dichloroethane	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
1,1-Dichloroethene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
1,1-Dichloropropene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
1,2,3-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
1,2,3-Trichloropropane	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
1,2,4-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
1,2,4-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
1,2-Dibromo-3-chloropropane	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
1,2-Dibromoethane	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
1,2-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
1,2-Dichloroethane	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
1,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-18 (0-2')
Collection Date: 4/15/2024 03:20 PM

Work Order: 24040835
Lab ID: 24040835-10
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
1,3-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
1,3-Dichloropropane	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
1,4-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
2,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
2-Butanone	ND		0.049	mg/Kg-dry	1	4/22/2024 05:35 PM
2-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
2-Hexanone	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
4-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
4-Methyl-2-pentanone	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Acetone	ND		0.049	mg/Kg-dry	1	4/22/2024 05:35 PM
Benzene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Bromobenzene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Bromochloromethane	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Bromodichloromethane	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Bromoform	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Bromomethane	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Carbon disulfide	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Carbon tetrachloride	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Chlorobenzene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Chloroethane	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Chloroform	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Chloromethane	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
cis-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
cis-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Dibromochloromethane	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Dibromomethane	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Dichlorodifluoromethane	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Ethylbenzene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Hexachlorobutadiene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Isopropylbenzene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
m,p-Xylene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Methyl tert-butyl ether	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	4/22/2024 05:35 PM
Naphthalene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
n-Butylbenzene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
n-Propylbenzene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
o-Xylene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
p-Isopropyltoluene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
sec-Butylbenzene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-18 (0-2')
Collection Date: 4/15/2024 03:20 PM

Work Order: 24040835
Lab ID: 24040835-10
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
tert-Butylbenzene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Tetrachloroethene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Toluene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
trans-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
trans-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Trichloroethene	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Trichlorofluoromethane	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Vinyl chloride	ND		0.0049	mg/Kg-dry	1	4/22/2024 05:35 PM
Xylenes, Total	ND		0.0098	mg/Kg-dry	1	4/22/2024 05:35 PM
<i>Surr: 4-Bromofluorobenzene</i>	127		60-140	%REC	1	4/22/2024 05:35 PM
<i>Surr: Dibromofluoromethane</i>	108		60-140	%REC	1	4/22/2024 05:35 PM
<i>Surr: Toluene-d8</i>	101		60-140	%REC	1	4/22/2024 05:35 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-24 (0-2')
Collection Date: 4/15/2024 03:50 PM

Work Order: 24040835
Lab ID: 24040835-11
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/24/24 11:43		Analyst: TSA
Aroclor 1016	ND		0.12	mg/Kg-dry	1	4/25/2024 06:15 PM
Aroclor 1221	ND		0.24	mg/Kg-dry	1	4/25/2024 06:15 PM
Aroclor 1232	ND		0.12	mg/Kg-dry	1	4/25/2024 06:15 PM
Aroclor 1242	ND		0.12	mg/Kg-dry	1	4/25/2024 06:15 PM
Aroclor 1248	ND		0.12	mg/Kg-dry	1	4/25/2024 06:15 PM
Aroclor 1254	ND		0.12	mg/Kg-dry	1	4/25/2024 06:15 PM
Aroclor 1260	0.52		0.12	mg/Kg-dry	1	4/25/2024 06:15 PM
Aroclor 1262	ND		0.12	mg/Kg-dry	1	4/25/2024 06:15 PM
Aroclor 1268	ND		0.12	mg/Kg-dry	1	4/25/2024 06:15 PM
Surr: Decachlorobiphenyl	94.0		7.32-154	%REC	1	4/25/2024 06:15 PM
Surr: Tetrachloro-m-xylene	84.0		33.5-152	%REC	1	4/25/2024 06:15 PM
MOISTURE			SM2540B			Analyst: CS
Moisture	18			% of sample	1	4/19/2024
MERCURY BY CVAA			SW7471A	Prep: EPA 7471 4/26/24 14:07		Analyst: JW
Mercury	0.015		0.014	mg/Kg-dry	1	4/29/2024 09:41 AM
METALS BY ICP			SW6010B	Prep: SW3050B 4/26/24 10:55		Analyst: SLT
Antimony	3.3		0.47	mg/Kg-dry	1	4/26/2024 01:57 PM
Arsenic	9.7		1.2	mg/Kg-dry	1	4/26/2024 01:57 PM
Barium	120		4.7	mg/Kg-dry	1	4/26/2024 01:57 PM
Beryllium	0.51		0.24	mg/Kg-dry	1	4/26/2024 01:57 PM
Cadmium	2.1		0.24	mg/Kg-dry	1	4/26/2024 01:57 PM
Chromium	15		2.4	mg/Kg-dry	1	4/26/2024 01:57 PM
Cobalt	5.1		1.2	mg/Kg-dry	1	4/26/2024 01:57 PM
Lead	250		4.7	mg/Kg-dry	1	4/26/2024 01:57 PM
Nickel	24		2.4	mg/Kg-dry	1	4/26/2024 01:57 PM
Selenium	ND		0.71	mg/Kg-dry	1	4/26/2024 01:57 PM
Silver	ND		1.2	mg/Kg-dry	1	4/26/2024 01:57 PM
Thallium	ND		1.2	mg/Kg-dry	1	4/26/2024 01:57 PM
Vanadium	160		1.2	mg/Kg-dry	1	4/26/2024 01:57 PM
Zinc	450		12	mg/Kg-dry	1	4/26/2024 01:57 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C	Prep: SW3546 4/24/24 14:35		Analyst: DTL
1,2,4,5-Tetrachlorobenzene	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
1,2,4-Trichlorobenzene	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
1,2-Dichlorobenzene	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
1,3-Dichlorobenzene	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
1,3-Dinitrobenzene	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
1,4-Dichlorobenzene	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-24 (0-2')
Collection Date: 4/15/2024 03:50 PM

Work Order: 24040835
Lab ID: 24040835-11
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1-Methylnaphthalene	ND		0.24	mg/Kg-dry	1	4/25/2024 11:28 PM
1-Naphthylamine	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
2,3,4,6-Tetrachlorophenol	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
2,4,5-Trichlorophenol	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
2,4,6-Trichlorophenol	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
2,4-Dichlorophenol	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
2,4-Dimethylphenol	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
2,4-Dinitrophenol	ND		2.0	mg/Kg-dry	1	4/25/2024 11:28 PM
2,4-Dinitrotoluene	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
2,6-Dichlorophenol	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
2,6-Dinitrotoluene	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
2-Acetylaminofluorene	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
2-Chloronaphthalene	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
2-Chlorophenol	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
2-Methylnaphthalene	0.26		0.24	mg/Kg-dry	1	4/25/2024 11:28 PM
2-Methylphenol	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
2-Naphthylamine	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
2-Nitroaniline	ND		2.0	mg/Kg-dry	1	4/25/2024 11:28 PM
2-Nitrophenol	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
2-Picoline	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
3&4-Methylphenol	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
3,3`-Dichlorobenzidine	ND		0.80	mg/Kg-dry	1	4/25/2024 11:28 PM
3-Methylcholanthrene	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
3-Nitroaniline	ND		2.0	mg/Kg-dry	1	4/25/2024 11:28 PM
4,6-Dinitro-2-methylphenol	ND		2.0	mg/Kg-dry	1	4/25/2024 11:28 PM
4-Aminobiphenyl	ND		0.80	mg/Kg-dry	1	4/25/2024 11:28 PM
4-Bromophenyl phenyl ether	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
4-Chloro-3-methylphenol	ND		0.80	mg/Kg-dry	1	4/25/2024 11:28 PM
4-Chloroaniline	ND		0.80	mg/Kg-dry	1	4/25/2024 11:28 PM
4-Chlorophenyl phenyl ether	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
4-Nitroaniline	ND		0.80	mg/Kg-dry	1	4/25/2024 11:28 PM
4-Nitrophenol	ND		2.0	mg/Kg-dry	1	4/25/2024 11:28 PM
4-Nitroquinoline 1-oxide	ND		2.0	mg/Kg-dry	1	4/25/2024 11:28 PM
5-Nitro-o-toluidine	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
7,12-Dimethylbenz(a)anthracene	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Acenaphthene	0.33		0.24	mg/Kg-dry	1	4/25/2024 11:28 PM
Acenaphthylene	ND		0.24	mg/Kg-dry	1	4/25/2024 11:28 PM
Acetophenone	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Aniline	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Anthracene	0.97		0.24	mg/Kg-dry	1	4/25/2024 11:28 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-24 (0-2')
Collection Date: 4/15/2024 03:50 PM

Work Order: 24040835
Lab ID: 24040835-11
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Azobenzene	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Benzidine	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Benzo(a)anthracene	4.7		0.12	mg/Kg-dry	1	4/25/2024 11:28 PM
Benzo(a)pyrene	3.8		1.2	mg/Kg-dry	10	4/27/2024 01:36 AM
Benzo(b)fluoranthene	5.4		2.4	mg/Kg-dry	10	4/27/2024 01:36 AM
Benzo(g,h,i)perylene	2.6		2.4	mg/Kg-dry	10	4/27/2024 01:36 AM
Benzo(k)fluoranthene	2.7		2.4	mg/Kg-dry	10	4/27/2024 01:36 AM
Benzyl alcohol	ND		0.80	mg/Kg-dry	1	4/25/2024 11:28 PM
Bis(2-chloroethoxy)methane	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Bis(2-chloroethyl)ether	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Bis(2-chloroisopropyl)ether	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Bis(2-ethylhexyl)phthalate	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Butyl benzyl phthalate	2.1		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Carbazole	0.60		0.24	mg/Kg-dry	1	4/25/2024 11:28 PM
Chrysene	4.9		2.4	mg/Kg-dry	10	4/27/2024 01:36 AM
Dibenzo(a,h)anthracene	0.61		0.12	mg/Kg-dry	1	4/25/2024 11:28 PM
Dibenzofuran	ND		0.24	mg/Kg-dry	1	4/25/2024 11:28 PM
Diethyl phthalate	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Dimethyl phthalate	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Di-n-butyl phthalate	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Di-n-octyl phthalate	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Dinoseb	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Diphenylamine	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Ethyl methanesulfonate	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Fluoranthene	8.5		2.4	mg/Kg-dry	10	4/27/2024 01:36 AM
Fluorene	0.30		0.24	mg/Kg-dry	1	4/25/2024 11:28 PM
Hexachlorobenzene	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Hexachlorobutadiene	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Hexachlorocyclopentadiene	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Hexachloroethane	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Indeno(1,2,3-cd)pyrene	2.0		0.12	mg/Kg-dry	1	4/25/2024 11:28 PM
Isophorone	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Isosafrole	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Methapyrilene	ND		2.0	mg/Kg-dry	1	4/25/2024 11:28 PM
Methyl methanesulfonate	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Naphthalene	0.25		0.24	mg/Kg-dry	1	4/25/2024 11:28 PM
Nitrobenzene	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
N-Nitrosodiethylamine	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
N-Nitrosodimethylamine	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
N-Nitroso-di-n-butylamine	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-24 (0-2')
Collection Date: 4/15/2024 03:50 PM

Work Order: 24040835
Lab ID: 24040835-11
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
N-Nitrosomethylethylamine	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
N-Nitrosomorpholine	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
N-Nitrosopiperidine	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
N-Nitrosopyrrolidine	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
o-Toluidine	ND		2.0	mg/Kg-dry	1	4/25/2024 11:28 PM
p-Dimethylaminoazobenzene	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Pentachlorobenzene	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Pentachloroethane	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Pentachloronitrobenzene	ND		0.80	mg/Kg-dry	1	4/25/2024 11:28 PM
Pentachlorophenol	ND		2.0	mg/Kg-dry	1	4/25/2024 11:28 PM
Phenacetin	ND		0.80	mg/Kg-dry	1	4/25/2024 11:28 PM
Phenanthrene	4.6		0.24	mg/Kg-dry	1	4/25/2024 11:28 PM
Phenol	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Pyrene	6.9		2.4	mg/Kg-dry	10	4/27/2024 01:36 AM
Pyridine	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
Safrole	ND		0.40	mg/Kg-dry	1	4/25/2024 11:28 PM
<i>Surr: 2,4,6-Tribromophenol</i>	<i>55.4</i>		<i>14.2-136</i>	<i>%REC</i>	1	4/25/2024 11:28 PM
<i>Surr: 2-Fluorobiphenyl</i>	<i>60.1</i>		<i>30-116</i>	<i>%REC</i>	1	4/25/2024 11:28 PM
<i>Surr: 2-Fluorophenol</i>	<i>50.2</i>		<i>5.42-113</i>	<i>%REC</i>	1	4/25/2024 11:28 PM
<i>Surr: 4-Terphenyl-d14</i>	<i>57.6</i>		<i>27.3-138</i>	<i>%REC</i>	1	4/25/2024 11:28 PM
<i>Surr: Nitrobenzene-d5</i>	<i>57.9</i>		<i>23.7-109</i>	<i>%REC</i>	1	4/25/2024 11:28 PM
<i>Surr: Phenol-d6</i>	<i>57.7</i>		<i>13.8-108</i>	<i>%REC</i>	1	4/25/2024 11:28 PM

VOLATILE ORGANIC COMPOUNDS

SW8260B

Prep: E5035 4/22/24 14:28

Analyst: RA

1,1,1,2-Tetrachloroethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
1,1,1-Trichloroethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
1,1,2,2-Tetrachloroethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
1,1,2-Trichloroethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
1,1-Dichloroethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
1,1-Dichloroethene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
1,1-Dichloropropene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
1,2,3-Trichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
1,2,3-Trichloropropane	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
1,2,4-Trichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
1,2,4-Trimethylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
1,2-Dibromo-3-chloropropane	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
1,2-Dibromoethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
1,2-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
1,2-Dichloroethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
1,2-Dichloropropane	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-24 (0-2')
Collection Date: 4/15/2024 03:50 PM

Work Order: 24040835
Lab ID: 24040835-11
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
1,3-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
1,3-Dichloropropane	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
1,4-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
2,2-Dichloropropane	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
2-Butanone	ND		0.052	mg/Kg-dry	1	4/22/2024 05:55 PM
2-Chlorotoluene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
2-Hexanone	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
4-Chlorotoluene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
4-Methyl-2-pentanone	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Acetone	ND		0.052	mg/Kg-dry	1	4/22/2024 05:55 PM
Benzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Bromobenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Bromochloromethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Bromodichloromethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Bromoform	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Bromomethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Carbon disulfide	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Carbon tetrachloride	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Chlorobenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Chloroethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Chloroform	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Chloromethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
cis-1,2-Dichloroethene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
cis-1,3-Dichloropropene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Dibromochloromethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Dibromomethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Dichlorodifluoromethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Ethylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Hexachlorobutadiene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Isopropylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
m,p-Xylene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Methyl tert-butyl ether	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	4/22/2024 05:55 PM
Naphthalene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
n-Butylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
n-Propylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
o-Xylene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
p-Isopropyltoluene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
sec-Butylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-24 (0-2')
Collection Date: 4/15/2024 03:50 PM

Work Order: 24040835
Lab ID: 24040835-11
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
tert-Butylbenzene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Tetrachloroethene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Toluene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
trans-1,2-Dichloroethene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
trans-1,3-Dichloropropene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Trichloroethene	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Trichlorofluoromethane	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Vinyl chloride	ND		0.0052	mg/Kg-dry	1	4/22/2024 05:55 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	4/22/2024 05:55 PM
<i>Surr: 4-Bromofluorobenzene</i>	112		60-140	%REC	1	4/22/2024 05:55 PM
<i>Surr: Dibromofluoromethane</i>	122		60-140	%REC	1	4/22/2024 05:55 PM
<i>Surr: Toluene-d8</i>	106		60-140	%REC	1	4/22/2024 05:55 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-16 (6-8') Dup
Collection Date: 4/15/2024 01:35 PM

Work Order: 24040835
Lab ID: 24040835-12
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/24/24 11:43		Analyst: TSA
Aroclor 1016	ND		0.11	mg/Kg-dry	1	4/25/2024 06:31 PM
Aroclor 1221	ND		0.23	mg/Kg-dry	1	4/25/2024 06:31 PM
Aroclor 1232	ND		0.11	mg/Kg-dry	1	4/25/2024 06:31 PM
Aroclor 1242	ND		0.11	mg/Kg-dry	1	4/25/2024 06:31 PM
Aroclor 1248	ND		0.11	mg/Kg-dry	1	4/25/2024 06:31 PM
Aroclor 1254	ND		0.11	mg/Kg-dry	1	4/25/2024 06:31 PM
Aroclor 1260	ND		0.11	mg/Kg-dry	1	4/25/2024 06:31 PM
Aroclor 1262	ND		0.11	mg/Kg-dry	1	4/25/2024 06:31 PM
Aroclor 1268	ND		0.11	mg/Kg-dry	1	4/25/2024 06:31 PM
Surr: Decachlorobiphenyl	86.0		7.32-154	%REC	1	4/25/2024 06:31 PM
Surr: Tetrachloro-m-xylene	66.0		33.5-152	%REC	1	4/25/2024 06:31 PM
MOISTURE			SM2540B			Analyst: CS
Moisture	11			% of sample	1	4/19/2024
MERCURY BY CVAA			SW7471A	Prep: EPA 7471 4/26/24 14:07		Analyst: JW
Mercury	ND		0.013	mg/Kg-dry	1	4/29/2024 09:43 AM
METALS BY ICP			SW6010B	Prep: SW3050B 4/26/24 10:55		Analyst: SLT
Antimony	ND		0.43	mg/Kg-dry	1	4/26/2024 01:59 PM
Arsenic	4.7		1.1	mg/Kg-dry	1	4/26/2024 01:59 PM
Barium	15		4.3	mg/Kg-dry	1	4/26/2024 01:59 PM
Beryllium	ND		0.21	mg/Kg-dry	1	4/26/2024 01:59 PM
Cadmium	0.44		0.21	mg/Kg-dry	1	4/26/2024 01:59 PM
Chromium	6.5		2.1	mg/Kg-dry	1	4/26/2024 01:59 PM
Cobalt	3.6		1.1	mg/Kg-dry	1	4/26/2024 01:59 PM
Lead	4.8		4.3	mg/Kg-dry	1	4/26/2024 01:59 PM
Nickel	8.1		2.1	mg/Kg-dry	1	4/26/2024 01:59 PM
Selenium	ND		0.64	mg/Kg-dry	1	4/26/2024 01:59 PM
Silver	ND		1.1	mg/Kg-dry	1	4/26/2024 01:59 PM
Thallium	ND		1.1	mg/Kg-dry	1	4/26/2024 01:59 PM
Vanadium	670		1.1	mg/Kg-dry	1	4/26/2024 01:59 PM
Zinc	88		11	mg/Kg-dry	1	4/26/2024 01:59 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C	Prep: SW3546 4/24/24 14:35		Analyst: DTL
1,2,4,5-Tetrachlorobenzene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
1,2,4-Trichlorobenzene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
1,2-Dichlorobenzene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
1,3-Dichlorobenzene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
1,3-Dinitrobenzene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
1,4-Dichlorobenzene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-16 (6-8') Dup
Collection Date: 4/15/2024 01:35 PM

Work Order: 24040835
Lab ID: 24040835-12
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1-Methylnaphthalene	0.23		0.23	mg/Kg-dry	1	4/25/2024 10:46 PM
1-Naphthylamine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
2,3,4,6-Tetrachlorophenol	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
2,4,5-Trichlorophenol	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
2,4,6-Trichlorophenol	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
2,4-Dichlorophenol	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
2,4-Dimethylphenol	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
2,4-Dinitrophenol	ND		1.9	mg/Kg-dry	1	4/25/2024 10:46 PM
2,4-Dinitrotoluene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
2,6-Dichlorophenol	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
2,6-Dinitrotoluene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
2-Acetylaminofluorene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
2-Chloronaphthalene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
2-Chlorophenol	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
2-Methylnaphthalene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:46 PM
2-Methylphenol	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
2-Naphthylamine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
2-Nitroaniline	ND		1.9	mg/Kg-dry	1	4/25/2024 10:46 PM
2-Nitrophenol	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
2-Picoline	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
3&4-Methylphenol	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
3,3'-Dichlorobenzidine	ND		0.75	mg/Kg-dry	1	4/25/2024 10:46 PM
3-Methylcholanthrene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
3-Nitroaniline	ND		1.9	mg/Kg-dry	1	4/25/2024 10:46 PM
4,6-Dinitro-2-methylphenol	ND		1.9	mg/Kg-dry	1	4/25/2024 10:46 PM
4-Aminobiphenyl	ND		0.75	mg/Kg-dry	1	4/25/2024 10:46 PM
4-Bromophenyl phenyl ether	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
4-Chloro-3-methylphenol	ND		0.75	mg/Kg-dry	1	4/25/2024 10:46 PM
4-Chloroaniline	ND		0.75	mg/Kg-dry	1	4/25/2024 10:46 PM
4-Chlorophenyl phenyl ether	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
4-Nitroaniline	ND		0.75	mg/Kg-dry	1	4/25/2024 10:46 PM
4-Nitrophenol	ND		1.9	mg/Kg-dry	1	4/25/2024 10:46 PM
4-Nitroquinoline 1-oxide	ND		1.9	mg/Kg-dry	1	4/25/2024 10:46 PM
5-Nitro-o-toluidine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
7,12-Dimethylbenz(a)anthracene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Acenaphthene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:46 PM
Acenaphthylene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:46 PM
Acetophenone	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Aniline	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Anthracene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:46 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-16 (6-8') Dup
Collection Date: 4/15/2024 01:35 PM

Work Order: 24040835
Lab ID: 24040835-12
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Azobenzene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Benzidine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Benzo(a)anthracene	ND		0.11	mg/Kg-dry	1	4/25/2024 10:46 PM
Benzo(a)pyrene	0.12		0.11	mg/Kg-dry	1	4/25/2024 10:46 PM
Benzo(b)fluoranthene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:46 PM
Benzo(g,h,i)perylene	0.30		0.23	mg/Kg-dry	1	4/25/2024 10:46 PM
Benzo(k)fluoranthene	0.54		0.23	mg/Kg-dry	1	4/25/2024 10:46 PM
Benzyl alcohol	ND		0.75	mg/Kg-dry	1	4/25/2024 10:46 PM
Bis(2-chloroethoxy)methane	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Bis(2-chloroethyl)ether	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Bis(2-chloroisopropyl)ether	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Bis(2-ethylhexyl)phthalate	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Butyl benzyl phthalate	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Carbazole	ND		0.23	mg/Kg-dry	1	4/25/2024 10:46 PM
Chrysene	1.2		0.23	mg/Kg-dry	1	4/25/2024 10:46 PM
Dibenzo(a,h)anthracene	ND		0.11	mg/Kg-dry	1	4/25/2024 10:46 PM
Dibenzofuran	ND		0.23	mg/Kg-dry	1	4/25/2024 10:46 PM
Diethyl phthalate	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Dimethyl phthalate	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Di-n-butyl phthalate	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Di-n-octyl phthalate	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Dinoseb	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Diphenylamine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Ethyl methanesulfonate	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Fluoranthene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:46 PM
Fluorene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:46 PM
Hexachlorobenzene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Hexachlorobutadiene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Hexachlorocyclopentadiene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Hexachloroethane	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Indeno(1,2,3-cd)pyrene	ND		0.11	mg/Kg-dry	1	4/25/2024 10:46 PM
Isophorone	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Isosafrole	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Methapyrilene	ND		1.9	mg/Kg-dry	1	4/25/2024 10:46 PM
Methyl methanesulfonate	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Naphthalene	ND		0.23	mg/Kg-dry	1	4/25/2024 10:46 PM
Nitrobenzene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
N-Nitrosodiethylamine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
N-Nitrosodimethylamine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
N-Nitroso-di-n-butylamine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-16 (6-8') Dup
Collection Date: 4/15/2024 01:35 PM

Work Order: 24040835
Lab ID: 24040835-12
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
N-Nitrosomethylethylamine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
N-Nitrosomorpholine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
N-Nitrosopiperidine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
N-Nitrosopyrrolidine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
o-Toluidine	ND		1.9	mg/Kg-dry	1	4/25/2024 10:46 PM
p-Dimethylaminoazobenzene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Pentachlorobenzene	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Pentachloroethane	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Pentachloronitrobenzene	ND		0.75	mg/Kg-dry	1	4/25/2024 10:46 PM
Pentachlorophenol	ND		1.9	mg/Kg-dry	1	4/25/2024 10:46 PM
Phenacetin	ND		0.75	mg/Kg-dry	1	4/25/2024 10:46 PM
Phenanthrene	0.28		0.23	mg/Kg-dry	1	4/25/2024 10:46 PM
Phenol	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Pyrene	3.2		0.23	mg/Kg-dry	1	4/25/2024 10:46 PM
Pyridine	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
Safrole	ND		0.37	mg/Kg-dry	1	4/25/2024 10:46 PM
<i>Surr: 2,4,6-Tribromophenol</i>	<i>41.7</i>		<i>14.2-136</i>	<i>%REC</i>	1	4/25/2024 10:46 PM
<i>Surr: 2-Fluorobiphenyl</i>	<i>41.5</i>		<i>30-116</i>	<i>%REC</i>	1	4/25/2024 10:46 PM
<i>Surr: 2-Fluorophenol</i>	<i>36.1</i>		<i>5.42-113</i>	<i>%REC</i>	1	4/25/2024 10:46 PM
<i>Surr: 4-Terphenyl-d14</i>	<i>40.8</i>		<i>27.3-138</i>	<i>%REC</i>	1	4/25/2024 10:46 PM
<i>Surr: Nitrobenzene-d5</i>	<i>39.4</i>		<i>23.7-109</i>	<i>%REC</i>	1	4/25/2024 10:46 PM
<i>Surr: Phenol-d6</i>	<i>39.9</i>		<i>13.8-108</i>	<i>%REC</i>	1	4/25/2024 10:46 PM

VOLATILE ORGANIC COMPOUNDS

SW8260B

Prep: E5035 4/22/24 14:28

Analyst: RA

1,1,1,2-Tetrachloroethane	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
1,1,1-Trichloroethane	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
1,1,2,2-Tetrachloroethane	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
1,1,2-Trichloroethane	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
1,1-Dichloroethane	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
1,1-Dichloroethene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
1,1-Dichloropropene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
1,2,3-Trichlorobenzene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
1,2,3-Trichloropropane	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
1,2,4-Trichlorobenzene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
1,2,4-Trimethylbenzene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
1,2-Dibromo-3-chloropropane	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
1,2-Dibromoethane	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
1,2-Dichlorobenzene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
1,2-Dichloroethane	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
1,2-Dichloropropane	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-16 (6-8') Dup
Collection Date: 4/15/2024 01:35 PM

Work Order: 24040835
Lab ID: 24040835-12
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
1,3-Dichlorobenzene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
1,3-Dichloropropane	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
1,4-Dichlorobenzene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
2,2-Dichloropropane	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
2-Butanone	ND		3.0	mg/Kg-dry	50	4/22/2024 09:17 PM
2-Chlorotoluene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
2-Hexanone	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
4-Chlorotoluene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
4-Methyl-2-pentanone	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Acetone	ND		3.0	mg/Kg-dry	50	4/22/2024 09:17 PM
Benzene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Bromobenzene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Bromochloromethane	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Bromodichloromethane	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Bromoform	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Bromomethane	0.37		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Carbon disulfide	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Carbon tetrachloride	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Chlorobenzene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Chloroethane	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Chloroform	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Chloromethane	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
cis-1,2-Dichloroethene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
cis-1,3-Dichloropropene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Dibromochloromethane	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Dibromomethane	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Dichlorodifluoromethane	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Ethylbenzene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Hexachlorobutadiene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Isopropylbenzene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
m,p-Xylene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Methyl tert-butyl ether	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Methylene chloride	ND		1.2	mg/Kg-dry	50	4/22/2024 09:17 PM
Naphthalene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
n-Butylbenzene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
n-Propylbenzene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
o-Xylene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
p-Isopropyltoluene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
sec-Butylbenzene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: SB-16 (6-8') Dup
Collection Date: 4/15/2024 01:35 PM

Work Order: 24040835
Lab ID: 24040835-12
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
tert-Butylbenzene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Tetrachloroethene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Toluene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
trans-1,2-Dichloroethene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
trans-1,3-Dichloropropene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Trichloroethene	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Trichlorofluoromethane	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Vinyl chloride	ND		0.30	mg/Kg-dry	50	4/22/2024 09:17 PM
Xylenes, Total	ND		0.60	mg/Kg-dry	50	4/22/2024 09:17 PM
<i>Surr: 4-Bromofluorobenzene</i>	103		60-140	%REC	50	4/22/2024 09:17 PM
<i>Surr: Dibromofluoromethane</i>	87.5		60-140	%REC	50	4/22/2024 09:17 PM
<i>Surr: Toluene-d8</i>	110		60-140	%REC	50	4/22/2024 09:17 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: Trip Blank
Collection Date: 4/15/2024

Work Order: 24040835
Lab ID: 24040835-13
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			SW8260B		Analyst: TJH	
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	4/24/2024 01:26 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	4/24/2024 01:26 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	4/24/2024 01:26 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	4/24/2024 01:26 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	4/24/2024 01:26 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	4/24/2024 01:26 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	4/24/2024 01:26 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	4/24/2024 01:26 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	4/24/2024 01:26 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	4/24/2024 01:26 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	4/24/2024 01:26 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	4/24/2024 01:26 PM
2-Butanone	ND		50	µg/L	1	4/24/2024 01:26 PM
2-Chlorotoluene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
2-Hexanone	ND		5.0	µg/L	1	4/24/2024 01:26 PM
4-Chlorotoluene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Acetone	ND		50	µg/L	1	4/24/2024 01:26 PM
Benzene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Bromobenzene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Bromochloromethane	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Bromodichloromethane	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Bromoform	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Bromomethane	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Carbon disulfide	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Carbon tetrachloride	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Chlorobenzene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Chloroethane	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Chloroform	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Chloromethane	ND		5.0	µg/L	1	4/24/2024 01:26 PM

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
Sample ID: Trip Blank
Collection Date: 4/15/2024

Work Order: 24040835
Lab ID: 24040835-13
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Dibromochloromethane	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Dibromomethane	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Ethylbenzene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Isopropylbenzene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
m,p-Xylene	ND		10	µg/L	1	4/24/2024 01:26 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Methylene chloride	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Naphthalene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
n-Butylbenzene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
n-Propylbenzene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
o-Xylene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
sec-Butylbenzene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Styrene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
tert-Butylbenzene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Tetrachloroethene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Toluene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Trichloroethene	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	4/24/2024 01:26 PM
Vinyl chloride	ND		2.0	µg/L	1	4/24/2024 01:26 PM
Xylenes, Total	ND		15	µg/L	1	4/24/2024 01:26 PM
Surr: 4-Bromofluorobenzene	113		61-131	%REC	1	4/24/2024 01:26 PM
Surr: Dibromofluoromethane	101		72-137	%REC	1	4/24/2024 01:26 PM
Surr: Toluene-d8	107		93.7-124	%REC	1	4/24/2024 01:26 PM

Note:

Client: The Mannik & Smith Group, Inc.
Work Order: 24040835
Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **98324** Instrument ID **GC3** Method: **SW8082**

MBLK		Sample ID: MBLK-98324-98324				Units: mg/Kg		Analysis Date: 4/23/2024 11:04 AM			
Client ID:		Run ID: GC3_240423A				SeqNo: 3366986		Prep Date: 4/23/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Aroclor 1016	ND	0.10									
Aroclor 1221	ND	0.20									
Aroclor 1232	ND	0.10									
Aroclor 1242	ND	0.10									
Aroclor 1248	ND	0.10									
Aroclor 1254	ND	0.10									
Aroclor 1260	ND	0.10									
Aroclor 1262	ND	0.10									
Aroclor 1268	ND	0.10									
<i>Surr: Decachlorobiphenyl</i>	<i>0.06133</i>	<i>0</i>	<i>0.0667</i>	<i>0</i>	<i>92</i>	<i>7.32-154</i>	<i>0</i>				
<i>Surr: Tetrachloro-m-xylene</i>	<i>0.06533</i>	<i>0</i>	<i>0.0667</i>	<i>0</i>	<i>98</i>	<i>33.5-152</i>	<i>0</i>				

LCS		Sample ID: LCS-98324-98324				Units: mg/Kg		Analysis Date: 4/23/2024 11:20 AM			
Client ID:		Run ID: GC3_240423A				SeqNo: 3366987		Prep Date: 4/23/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Aroclor 1016	1.471	0.10	1.333	0	110	53.1-145	0				
Aroclor 1260	1.436	0.10	1.333	0	108	58.2-144	0				
<i>Surr: Decachlorobiphenyl</i>	<i>0.06267</i>	<i>0</i>	<i>0.0667</i>	<i>0</i>	<i>94</i>	<i>7.32-154</i>	<i>0</i>				
<i>Surr: Tetrachloro-m-xylene</i>	<i>0.06667</i>	<i>0</i>	<i>0.0667</i>	<i>0</i>	<i>99.9</i>	<i>33.5-152</i>	<i>0</i>				

MS		Sample ID: 24040992-01BMS				Units: mg/Kg		Analysis Date: 4/23/2024 11:36 AM			
Client ID:		Run ID: GC3_240423A				SeqNo: 3366988		Prep Date: 4/23/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Aroclor 1016	1.287	0.10	1.333	0	96.5	34.7-137	0				
Aroclor 1260	1.344	0.10	1.333	0	101	27.1-140	0				
<i>Surr: Decachlorobiphenyl</i>	<i>0.06133</i>	<i>0</i>	<i>0.0667</i>	<i>0</i>	<i>92</i>	<i>7.32-154</i>	<i>0</i>				
<i>Surr: Tetrachloro-m-xylene</i>	<i>0.056</i>	<i>0</i>	<i>0.0667</i>	<i>0</i>	<i>84</i>	<i>33.5-152</i>	<i>0</i>				

MSD		Sample ID: 24040992-01BMSD				Units: mg/Kg		Analysis Date: 4/23/2024 11:52 AM			
Client ID:		Run ID: GC3_240423A				SeqNo: 3366989		Prep Date: 4/23/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Aroclor 1016	1.368	0.10	1.333	0	103	34.7-137	1.287	6.13	20		
Aroclor 1260	1.384	0.10	1.333	0	104	27.1-140	1.344	2.93	20		
<i>Surr: Decachlorobiphenyl</i>	<i>0.06267</i>	<i>0</i>	<i>0.0667</i>	<i>0</i>	<i>94</i>	<i>7.32-154</i>	<i>0.06133</i>	<i>2.15</i>			
<i>Surr: Tetrachloro-m-xylene</i>	<i>0.06133</i>	<i>0</i>	<i>0.0667</i>	<i>0</i>	<i>92</i>	<i>33.5-152</i>	<i>0.056</i>	<i>9.09</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
Work Order: 24040835
Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **98324** Instrument ID **GC3** Method: **SW8082**

The following samples were analyzed in this batch:

24040835-01B	24040835-02B	24040835-03B
24040835-04B	24040835-05B	24040835-06B
24040835-07B	24040835-08B	24040835-09B
24040835-10B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040835
 Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **98340** Instrument ID **GC3** Method: **SW8082**

MBLK		Sample ID: MBLK-98340-98340				Units: mg/Kg		Analysis Date: 4/24/2024 11:35 AM		
Client ID:		Run ID: GC3_240424A		SeqNo: 3368337		Prep Date: 4/24/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.10								
Aroclor 1221	ND	0.20								
Aroclor 1232	ND	0.10								
Aroclor 1242	ND	0.10								
Aroclor 1248	ND	0.10								
Aroclor 1254	ND	0.10								
Aroclor 1260	ND	0.10								
Aroclor 1262	ND	0.10								
Aroclor 1268	ND	0.10								
<i>Surr: Decachlorobiphenyl</i>	<i>0.06267</i>	<i>0</i>	<i>0.0667</i>	<i>0</i>	<i>94</i>	<i>7.32-154</i>	<i>0</i>			
<i>Surr: Tetrachloro-m-xylene</i>	<i>0.06133</i>	<i>0</i>	<i>0.0667</i>	<i>0</i>	<i>92</i>	<i>33.5-152</i>	<i>0</i>			

LCS		Sample ID: LCS-98340-98340				Units: mg/Kg		Analysis Date: 4/24/2024 11:51 AM		
Client ID:		Run ID: GC3_240424A		SeqNo: 3368338		Prep Date: 4/24/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	1.497	0.10	1.333	0	112	53.1-145	0			
Aroclor 1260	1.484	0.10	1.333	0	111	58.2-144	0			
<i>Surr: Decachlorobiphenyl</i>	<i>0.06267</i>	<i>0</i>	<i>0.0667</i>	<i>0</i>	<i>94</i>	<i>7.32-154</i>	<i>0</i>			
<i>Surr: Tetrachloro-m-xylene</i>	<i>0.06533</i>	<i>0</i>	<i>0.0667</i>	<i>0</i>	<i>98</i>	<i>33.5-152</i>	<i>0</i>			

MS		Sample ID: 24040838-07AMS				Units: mg/Kg		Analysis Date: 4/24/2024 12:07 PM		
Client ID:		Run ID: GC3_240424A		SeqNo: 3368339		Prep Date: 4/24/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	1.542	0.10	1.337	0	115	34.7-137	0			
Aroclor 1260	3.803	0.10	1.337	15.84	-900	27.1-140	0			SO
<i>Surr: Decachlorobiphenyl</i>	<i>0.0602</i>	<i>0</i>	<i>0.06692</i>	<i>0</i>	<i>90</i>	<i>7.32-154</i>	<i>0</i>			
<i>Surr: Tetrachloro-m-xylene</i>	<i>0.06288</i>	<i>0</i>	<i>0.06692</i>	<i>0</i>	<i>94</i>	<i>33.5-152</i>	<i>0</i>			

MSD		Sample ID: 24040838-07AMSD				Units: mg/Kg		Analysis Date: 4/24/2024 12:23 PM		
Client ID:		Run ID: GC3_240424A		SeqNo: 3368340		Prep Date: 4/24/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	1.519	0.10	1.335	0	114	34.7-137	1.542	1.51	20	
Aroclor 1260	3.502	0.10	1.335	15.84	-925	27.1-140	3.803	8.25	20	SO
<i>Surr: Decachlorobiphenyl</i>	<i>0.05741</i>	<i>0</i>	<i>0.06679</i>	<i>0</i>	<i>86</i>	<i>7.32-154</i>	<i>0.0602</i>	<i>4.75</i>		
<i>Surr: Tetrachloro-m-xylene</i>	<i>0.06275</i>	<i>0</i>	<i>0.06679</i>	<i>0</i>	<i>94</i>	<i>33.5-152</i>	<i>0.06288</i>	<i>0.2</i>		

The following samples were analyzed in this batch: 24040835-11B 24040835-12B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040835
 Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **98460** Instrument ID **HG2** Method: **SW7471A**

MBLK		Sample ID: MBLK-98460-98460				Units: mg/Kg		Analysis Date: 4/29/2024 09:10 AM		
Client ID:		Run ID: HG2_240429A		SeqNo: 3373551		Prep Date: 4/26/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.10								

LCS		Sample ID: LCS-98460-98460				Units: mg/Kg		Analysis Date: 4/29/2024 09:12 AM		
Client ID:		Run ID: HG2_240429A		SeqNo: 3373552		Prep Date: 4/26/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.71	0.10	0.833	0	85.2	51.3-124	0			

LCSD		Sample ID: LCSD-98460-98460				Units: mg/Kg		Analysis Date: 4/29/2024 09:14 AM		
Client ID:		Run ID: HG2_240429A		SeqNo: 3373553		Prep Date: 4/26/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.7083	0.10	0.833	0	85	51.3-124	0.71	0.235	20	

MS		Sample ID: 24040919-07B MS				Units: mg/Kg		Analysis Date: 4/29/2024 10:31 AM		
Client ID:		Run ID: HG2_240429A		SeqNo: 3373575		Prep Date: 4/26/2024		DF: 2		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.2243	0.024	0.09852	0.08975	137	69-147	0			

MSD		Sample ID: 24040919-07B MSD				Units: mg/Kg		Analysis Date: 4/29/2024 10:08 AM		
Client ID:		Run ID: HG2_240429A		SeqNo: 3373574		Prep Date: 4/26/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1736	0.011	0.09124	0.08975	91.9	69-147	0.2243	25.5	20	R

The following samples were analyzed in this batch:

24040835-01B	24040835-02B	24040835-03B
24040835-04B	24040835-05B	24040835-06B
24040835-07B	24040835-08B	24040835-09B
24040835-10B	24040835-11B	24040835-12B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040835
 Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **98427** Instrument ID **ICP4** Method: **SW6010B**

MBLK		Sample ID: MBLK-98427-98427				Units: mg/Kg		Analysis Date: 4/26/2024 01:27 PM			
Client ID:		Run ID: ICP4_240426B				SeqNo: 3372130		Prep Date: 4/26/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Antimony	ND	2.0									
Arsenic	ND	5.0									
Barium	ND	20									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	10									
Cobalt	ND	5.0									
Lead	ND	20									
Nickel	ND	10									
Selenium	ND	3.0									
Silver	ND	5.0									
Thallium	ND	5.0									
Vanadium	ND	5.0									
Zinc	ND	50									

LCS		Sample ID: LCS-98427-98427				Units: mg/Kg		Analysis Date: 4/26/2024 01:29 PM			
Client ID:		Run ID: ICP4_240426B				SeqNo: 3372131		Prep Date: 4/26/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Antimony	88.5	2.0	100	0	88.5	78-114	0				
Arsenic	95.11	5.0	100	0	95.1	49.7-118	0				
Barium	98.8	20	100	0	98.8	81.6-112	0				
Beryllium	93.33	1.0	100	0	93.3	87.7-117	0				
Cadmium	96.54	1.0	100	0	96.5	87.2-119	0				
Chromium	97.05	10	100	0	97	81.7-123	0				
Cobalt	92.82	5.0	100	0	92.8	77.3-110	0				
Lead	93.19	20	100	0	93.2	82.9-117	0				
Nickel	97.26	10	100	0	97.3	78.4-109	0				
Selenium	96.62	3.0	100	0	96.6	86.2-110	0				
Silver	91.85	5.0	100	0	91.8	77.1-118	0				
Thallium	93.32	5.0	100	0	93.3	78.9-109	0				
Vanadium	93.56	5.0	100	0	93.6	77.4-108	0				
Zinc	98.98	50	100	0	99	80.5-112	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040835
 Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **98427** Instrument ID **ICP4** Method: **SW6010B**

LCSD		Sample ID: LCSD-98427-98427				Units: mg/Kg		Analysis Date: 4/26/2024 01:30 PM		
Client ID:		Run ID: ICP4_240426B			SeqNo: 3372132		Prep Date: 4/26/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	88.49	2.0	100	0	88.5	78-114	88.5	0.0113	20	
Arsenic	94.72	5.0	100	0	94.7	79.7-118	95.11	0.411	20	
Barium	99.78	20	100	0	99.8	81.6-112	98.8	0.987	20	
Beryllium	92.77	1.0	100	0	92.8	87.7-117	93.33	0.602	20	
Cadmium	96.31	1.0	100	0	96.3	87.2-119	96.54	0.239	20	
Chromium	97.1	10	100	0	97.1	81.7-123	97.05	0.0515	20	
Cobalt	92.67	5.0	100	0	92.7	77.3-110	92.82	0.162	20	
Lead	92.48	20	100	0	92.5	82.9-117	93.19	0.765	20	
Nickel	97.51	10	100	0	97.5	78.4-109	97.26	0.257	20	
Selenium	96.46	3.0	100	0	96.5	86.2-110	96.62	0.166	20	
Silver	92.82	5.0	100	0	92.8	77.1-118	91.85	1.05	20	
Thallium	93.32	5.0	100	0	93.3	78.9-109	93.32	0	20	
Vanadium	93.36	5.0	100	0	93.4	77.4-108	93.56	0.214	20	
Zinc	98.95	50	100	0	99	80.5-112	98.98	0.0303	20	

MS		Sample ID: 24040835-01B MS				Units: mg/Kg		Analysis Date: 4/26/2024 01:37 PM		
Client ID: SB-15 (0-2')		Run ID: ICP4_240426B			SeqNo: 3372134		Prep Date: 4/26/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	15.89	0.39	19.68	2.536	67.9	61.8-111	0			
Arsenic	19.67	0.98	19.68	6.619	66.3	69.6-115	0			S
Barium	114.1	3.9	19.68	106.1	40.5	60.1-114	0			SO
Beryllium	15.67	0.20	19.68	0.5281	76.9	65.7-115	0			
Cadmium	17.65	0.20	19.68	1.257	83.3	69.1-120	0			
Chromium	32	2.0	19.68	14	91.5	69.3-116	0			
Cobalt	20.13	0.98	19.68	7.054	66.5	52.4-121	0			
Lead	358.5	3.9	19.68	116.3	1230	69.3-107	0			SO
Nickel	50.81	2.0	19.68	36.51	72.6	63.6-105	0			
Selenium	13.51	0.59	19.68	0	68.7	66.5-109	0			
Silver	17.64	0.98	19.68	0	89.7	70.3-116	0			
Thallium	13.57	0.98	19.68	0	69	54.6-115	0			
Vanadium	56.2	0.98	19.68	51.17	25.5	75-125	0			S
Zinc	335.7	9.8	19.68	442	-540	75-125	0			SO

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040835
 Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **98427** Instrument ID **ICP4** Method: **SW6010B**

MSD		Sample ID: 24040835-01B MSD				Units: mg/Kg		Analysis Date: 4/26/2024 01:38 PM		
Client ID: SB-15 (0-2')		Run ID: ICP4_240426B				SeqNo: 3372135		Prep Date: 4/26/2024		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	14.43	0.38	19.13	2.536	62.2	61.8-111	15.89	9.68	20	
Arsenic	18.59	0.96	19.13	6.619	62.6	69.6-115	19.67	5.66	20	S
Barium	104.9	3.8	19.13	106.1	-6.54	60.1-114	114.1	8.41	20	SO
Beryllium	14.72	0.19	19.13	0.5281	74.2	65.7-115	15.67	6.25	20	
Cadmium	16.43	0.19	19.13	1.257	79.3	69.1-120	17.65	7.15	20	
Chromium	27.64	1.9	19.13	14	71.3	69.3-116	32	14.6	20	
Cobalt	19.63	0.96	19.13	7.054	65.7	52.4-121	20.13	2.54	20	
Lead	128.3	3.8	19.13	116.3	63.2	69.3-107	358.5	94.6	20	SRO
Nickel	43.73	1.9	19.13	36.51	37.7	63.6-105	50.81	15	20	S
Selenium	12.64	0.57	19.13	0	66.1	66.5-109	13.51	6.69	20	S
Silver	16.35	0.96	19.13	0	85.5	70.3-116	17.64	7.59	20	
Thallium	12.66	0.96	19.13	0	66.2	54.6-115	13.57	6.88	20	
Vanadium	63.45	0.96	19.13	51.17	64.2	75-125	56.2	12.1	20	S
Zinc	307.6	9.6	19.13	442	-703	75-125	335.7	8.74	20	SO

The following samples were analyzed in this batch:

24040835-01B	24040835-02B	24040835-03B
24040835-04B	24040835-05B	24040835-06B
24040835-07B	24040835-08B	24040835-09B
24040835-10B	24040835-11B	24040835-12B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040835
 Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **98342** Instrument ID **SVMS1** Method: **SW8270C**

MBLK		Sample ID: MBLK-98342-98342			Units: µg/Kg		Analysis Date: 4/25/2024 01:59 PM			
Client ID:		Run ID: SVMS1_240425A			SeqNo: 3371582		Prep Date: 4/24/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	ND	330								
1,2,4-Trichlorobenzene	ND	330								
1,2-Dichlorobenzene	ND	330								
1,3-Dichlorobenzene	ND	330								
1,3-Dinitrobenzene	ND	330								
1,4-Dichlorobenzene	ND	330								
1-Methylnaphthalene	ND	200								
1-Naphthylamine	ND	330								
2,3,4,6-Tetrachlorophenol	ND	330								
2,4,5-Trichlorophenol	ND	330								
2,4,6-Trichlorophenol	ND	330								
2,4-Dichlorophenol	ND	330								
2,4-Dimethylphenol	ND	330								
2,4-Dinitrophenol	ND	1,600								
2,4-Dinitrotoluene	ND	330								
2,6-Dichlorophenol	ND	330								
2,6-Dinitrotoluene	ND	330								
2-Acetylaminofluorene	ND	330								
2-Chloronaphthalene	ND	330								
2-Chlorophenol	ND	330								
2-Methylnaphthalene	ND	200								
2-Methylphenol	ND	330								
2-Naphthylamine	ND	330								
2-Nitroaniline	ND	1,600								
2-Nitrophenol	ND	330								
2-Picoline	ND	330								
3&4-Methylphenol	16.67	330								J
3,3'-Dichlorobenzidine	ND	660								
3-Methylcholanthrene	ND	330								
3-Nitroaniline	ND	1,600								
4,6-Dinitro-2-methylphenol	ND	1,600								
4-Aminobiphenyl	ND	660								
4-Bromophenyl phenyl ether	ND	330								
4-Chloro-3-methylphenol	ND	660								
4-Chloroaniline	ND	660								
4-Chlorophenyl phenyl ether	ND	330								
4-Nitroaniline	ND	660								
4-Nitrophenol	ND	1,600								
4-Nitroquinoline 1-oxide	ND	1,600								
5-Nitro-o-toluidine	34.13	330								J
7,12-Dimethylbenz(a)anthracene	ND	330								
Acenaphthene	ND	200								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
Work Order: 24040835
Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: 98342	Instrument ID SVMS1	Method: SW8270C	
Acenaphthylene	ND	200	
Acetophenone	ND	330	
Aniline	ND	330	
Anthracene	ND	200	
Azobenzene	ND	330	
Benzidine	ND	330	
Benzo(a)anthracene	ND	100	
Benzo(a)pyrene	ND	100	
Benzo(b)fluoranthene	ND	200	
Benzo(g,h,i)perylene	ND	200	
Benzo(k)fluoranthene	ND	200	
Benzyl alcohol	23.87	660	J
Bis(2-chloroethoxy)methane	ND	330	
Bis(2-chloroethyl)ether	15.87	330	J
Bis(2-chloroisopropyl)ether	ND	330	
Bis(2-ethylhexyl)phthalate	ND	330	
Butyl benzyl phthalate	ND	330	
Carbazole	ND	200	
Chrysene	ND	200	
Dibenzo(a,h)anthracene	ND	100	
Dibenzofuran	ND	200	
Diethyl phthalate	ND	330	
Dimethyl phthalate	ND	330	
Di-n-butyl phthalate	ND	330	
Di-n-octyl phthalate	ND	330	
Dinoseb	ND	330	
Diphenylamine	ND	330	
Ethyl methanesulfonate	ND	330	
Fluoranthene	ND	200	
Fluorene	ND	200	
Hexachlorobenzene	ND	330	
Hexachlorobutadiene	ND	330	
Hexachlorocyclopentadiene	ND	330	
Hexachloroethane	ND	330	
Indeno(1,2,3-cd)pyrene	ND	100	
Isophorone	ND	330	
Isosafrole	ND	330	
Methapyrilene	ND	1,600	
Methyl methanesulfonate	ND	330	
Naphthalene	ND	200	
Nitrobenzene	ND	330	
N-Nitrosodiethylamine	ND	330	
N-Nitrosodimethylamine	ND	330	
N-Nitroso-di-n-butylamine	ND	330	
N-Nitrosodi-n-propylamine	ND	330	
N-Nitrosomethylethylamine	ND	330	
N-Nitrosomorpholine	ND	330	
N-Nitrosopiperidine	15.93	330	J

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
Work Order: 24040835
Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: 98342	Instrument ID SVMS1	Method: SW8270C						
N-Nitrosopyrrolidine	ND	330						
o-Toluidine	ND	1,600						
p-Dimethylaminoazobenzene	ND	330						
Pentachlorobenzene	ND	330						
Pentachloroethane	ND	330						
Pentachloronitrobenzene	ND	660						
Pentachlorophenol	ND	1,600						
Phenacetin	ND	660						
Phenanthrene	ND	200						
Phenol	ND	330						
Pyrene	ND	200						
Pyridine	ND	330						
Safrole	ND	330						
<i>Surr: 2,4,6-Tribromophenol</i>	4238	0	6660	0	63.6	14.2-136	0	
<i>Surr: 2-Fluorobiphenyl</i>	2413	0	3330	0	72.5	30-116	0	
<i>Surr: 2-Fluorophenol</i>	3831	0	6660	0	57.5	5.42-113	0	
<i>Surr: 4-Terphenyl-d14</i>	2458	0	3330	0	73.8	27.3-138	0	
<i>Surr: Nitrobenzene-d5</i>	2464	0	3330	0	74	23.7-109	0	
<i>Surr: Phenol-d6</i>	4532	0	6660	0	68	13.8-108	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040835
 Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **98342** Instrument ID **SVMS1** Method: **SW8270C**

LCS		Sample ID: LCS-98342-98342			Units: µg/Kg		Analysis Date: 4/25/2024 02:13 PM			
Client ID:		Run ID: SVMS1_240425A			SeqNo: 3371583		Prep Date: 4/24/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2699	330	3330	0	81	39-104	0			
1,4-Dichlorobenzene	2406	330	3330	0	72.3	38.7-95.1	0			
2,4-Dinitrotoluene	2430	330	3330	0	73	52.4-99.5	0			
2-Chlorophenol	2283	330	3330	0	68.6	34.7-116	0			
4-Chloro-3-methylphenol	2540	660	3330	0	76.3	32.1-109	0			
4-Nitrophenol	2496	1,600	3330	0	75	36.2-146	0			
Acenaphthene	2598	200	3330	0	78	52-119	0			
Acenaphthylene	2667	200	3330	0	80.1	46-118	0			
Anthracene	2639	200	3330	0	79.2	56-109	0			
Benzo(a)anthracene	2716	100	3330	0	81.6	48-121	0			
Benzo(a)pyrene	2628	100	3330	0	78.9	40.1-114	0			
Benzo(b)fluoranthene	2552	200	3330	0	76.6	44-115	0			
Benzo(g,h,i)perylene	2708	200	3330	0	81.3	47.9-113	0			
Benzo(k)fluoranthene	2726	200	3330	0	81.9	39.5-116	0			
Carbazole	2794	200	3330	0	83.9	43.3-146	0			
Chrysene	2722	200	3330	0	81.7	49.2-115	0			
Dibenzo(a,h)anthracene	2666	100	3330	0	80.1	41.7-123	0			
Fluoranthene	2763	200	3330	0	83	52.7-118	0			
Fluorene	2695	200	3330	0	80.9	56.3-106	0			
Indeno(1,2,3-cd)pyrene	2712	100	3330	0	81.4	41.1-124	0			
N-Nitrosodi-n-propylamine	1739	330	3330	0	52.2	25.3-127	0			
Pentachlorophenol	2301	1,600	3330	0	69.1	22.1-105	0			
Phenanthrene	2677	200	3330	0	80.4	52.8-114	0			
Phenol	2080	330	3330	0	62.5	36.9-97.8	0			
Pyrene	2709	200	3330	0	81.3	50.7-109	0			
<i>Surr: 2,4,6-Tribromophenol</i>	<i>5186</i>	<i>0</i>	<i>6660</i>	<i>0</i>	<i>77.9</i>	<i>14.2-136</i>	<i>0</i>			
<i>Surr: 2-Fluorobiphenyl</i>	<i>2562</i>	<i>0</i>	<i>3330</i>	<i>0</i>	<i>76.9</i>	<i>30-116</i>	<i>0</i>			
<i>Surr: 2-Fluorophenol</i>	<i>3580</i>	<i>0</i>	<i>6660</i>	<i>0</i>	<i>53.7</i>	<i>5.42-113</i>	<i>0</i>			
<i>Surr: 4-Terphenyl-d14</i>	<i>2584</i>	<i>0</i>	<i>3330</i>	<i>0</i>	<i>77.6</i>	<i>27.3-138</i>	<i>0</i>			
<i>Surr: Nitrobenzene-d5</i>	<i>2388</i>	<i>0</i>	<i>3330</i>	<i>0</i>	<i>71.7</i>	<i>23.7-109</i>	<i>0</i>			
<i>Surr: Phenol-d6</i>	<i>4586</i>	<i>0</i>	<i>6660</i>	<i>0</i>	<i>68.9</i>	<i>13.8-108</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040835
 Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **98342** Instrument ID **SVMS1** Method: **SW8270C**

MS				Sample ID: 24040985-03BMS		Units: µg/Kg		Analysis Date: 4/25/2024 02:27 PM		
Client ID:		Run ID: SVMS1_240425A		SeqNo: 3371584		Prep Date: 4/24/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2573	330	3321	0	77.5	39-91.8	0			
1,4-Dichlorobenzene	2352	330	3321	0	70.8	32.9-90	0			
2,4-Dinitrotoluene	2417	330	3321	19.16	72.2	29.7-121	0			
2-Chlorophenol	2228	330	3321	0	67.1	33.3-109	0			
4-Chloro-3-methylphenol	2735	660	3321	148.6	77.9	35.8-116	0			
4-Nitrophenol	2355	1,600	3321	41.98	69.6	34.1-120	0			
Acenaphthene	2554	200	3321	0	76.9	44-108	0			
Acenaphthylene	2612	200	3321	0	78.6	43.6-110	0			
Anthracene	2548	200	3321	0	76.7	35.8-104	0			
Benzo(a)anthracene	2623	100	3321	22.62	78.3	47-114	0			
Benzo(a)pyrene	2555	100	3321	10.65	76.6	43.8-115	0			
Benzo(b)fluoranthene	2500	200	3321	14.9	74.8	40-106	0			
Benzo(g,h,i)perylene	2656	200	3321	0	80	38.2-110	0			
Benzo(k)fluoranthene	2604	200	3321	0	78.4	48.6-107	0			
Carbazole	2672	200	3321	0	80.4	28.5-114	0			
Chrysene	2623	200	3321	12.97	78.6	44.3-97.5	0			
Dibenzo(a,h)anthracene	2589	100	3321	0	78	46-116	0			
Fluoranthene	2657	200	3321	37.39	78.9	40.2-129	0			
Fluorene	2619	200	3321	0	78.9	42.8-106	0			
Indeno(1,2,3-cd)pyrene	2646	100	3321	0	79.7	33-115	0			
Naphthalene	2473	200	3321	9.049	74.2	18.2-126	0			
N-Nitrosodi-n-propylamine	1707	330	3321	0	51.4	3.32-83.9	0			
Pentachlorophenol	2441	1,600	3321	0	73.5	9.31-107	0			
Phenanthrene	2592	200	3321	31.4	77.1	31.2-127	0			
Phenol	2063	330	3321	0	62.1	25.9-90.3	0			
Pyrene	2595	200	3321	28.61	77.3	33.7-129	0			
<i>Surr: 2,4,6-Tribromophenol</i>	<i>5109</i>	<i>0</i>	<i>6642</i>	<i>0</i>	<i>76.9</i>	<i>14.2-136</i>	<i>0</i>			
<i>Surr: 2-Fluorobiphenyl</i>	<i>2534</i>	<i>0</i>	<i>3321</i>	<i>0</i>	<i>76.3</i>	<i>30-116</i>	<i>0</i>			
<i>Surr: 2-Fluorophenol</i>	<i>3599</i>	<i>0</i>	<i>6642</i>	<i>0</i>	<i>54.2</i>	<i>5.42-113</i>	<i>0</i>			
<i>Surr: 4-Terphenyl-d14</i>	<i>2447</i>	<i>0</i>	<i>3321</i>	<i>0</i>	<i>73.7</i>	<i>27.3-138</i>	<i>0</i>			
<i>Surr: Nitrobenzene-d5</i>	<i>2285</i>	<i>0</i>	<i>3321</i>	<i>0</i>	<i>68.8</i>	<i>23.7-109</i>	<i>0</i>			
<i>Surr: Phenol-d6</i>	<i>4392</i>	<i>0</i>	<i>6642</i>	<i>0</i>	<i>66.1</i>	<i>13.8-108</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040835
 Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **98342** Instrument ID **SVMS1** Method: **SW8270C**

MSD				Sample ID: 24040985-03BMSD		Units: µg/Kg		Analysis Date: 4/25/2024 02:41 PM		
Client ID:		Run ID: SVMS1_240425A		SeqNo: 3371585		Prep Date: 4/24/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	2539	330	3337	0	76.1	39-91.8	2573	1.33	20	
1,4-Dichlorobenzene	2289	330	3337	0	68.6	32.9-90	2352	2.75	20	
2,4-Dinitrotoluene	2157	330	3337	19.16	64.1	29.7-121	2417	11.4	20	
2-Chlorophenol	2156	330	3337	0	64.6	33.3-109	2228	3.3	20	
4-Chloro-3-methylphenol	2640	660	3337	148.6	74.7	35.8-116	2735	3.55	20	
4-Nitrophenol	2368	1,700	3337	41.98	69.7	34.1-120	2355	0.562	20	
Acenaphthene	2407	200	3337	0	72.1	44-108	2554	5.93	20	
Acenaphthylene	2453	200	3337	0	73.5	43.6-110	2612	6.27	20	
Anthracene	2436	200	3337	0	73	35.8-104	2548	4.52	20	
Benzo(a)anthracene	2501	100	3337	22.62	74.3	47-114	2623	4.76	20	
Benzo(a)pyrene	2460	100	3337	10.65	73.4	43.8-115	2555	3.79	20	
Benzo(b)fluoranthene	2394	200	3337	14.9	71.3	40-106	2500	4.34	20	
Benzo(g,h,i)perylene	2518	200	3337	0	75.4	38.2-110	2656	5.36	20	
Benzo(k)fluoranthene	2433	200	3337	0	72.9	48.6-107	2604	6.78	20	
Carbazole	2517	200	3337	0	75.4	28.5-114	2672	5.97	20	
Chrysene	2514	200	3337	12.97	74.9	44.3-97.5	2623	4.26	20	
Dibenzo(a,h)anthracene	2473	100	3337	0	74.1	46-116	2589	4.6	20	
Fluoranthene	2541	200	3337	37.39	75	40.2-129	2657	4.47	20	
Fluorene	2477	200	3337	0	74.2	42.8-106	2619	5.55	20	
Indeno(1,2,3-cd)pyrene	2538	100	3337	0	76.1	33-115	2646	4.18	20	
Naphthalene	2350	200	3337	9.049	70.2	18.2-126	2473	5.08	20	
N-Nitrosodi-n-propylamine	1679	330	3337	0	50.3	3.32-83.9	1707	1.68	20	
Pentachlorophenol	2250	1,700	3337	0	67.4	9.31-107	2441	8.14	20	
Phenanthrene	2467	200	3337	31.4	73	31.2-127	2592	4.95	20	
Phenol	1964	330	3337	0	58.9	25.9-90.3	2063	4.88	20	
Pyrene	2439	200	3337	28.61	72.2	33.7-129	2595	6.2	20	
<i>Surr: 2,4,6-Tribromophenol</i>	4955	0	6673	0	74.2	14.2-136	5109	3.07		
<i>Surr: 2-Fluorobiphenyl</i>	2374	0	3337	0	71.1	30-116	2534	6.52		
<i>Surr: 2-Fluorophenol</i>	3446	0	6673	0	51.6	5.42-113	3599	4.35		
<i>Surr: 4-Terphenyl-d14</i>	2318	0	3337	0	69.5	27.3-138	2447	5.4		
<i>Surr: Nitrobenzene-d5</i>	2230	0	3337	0	66.8	23.7-109	2285	2.44		
<i>Surr: Phenol-d6</i>	4253	0	6673	0	63.7	13.8-108	4392	3.23		

The following samples were analyzed in this batch:

24040835-01B	24040835-02B	24040835-03B
24040835-04B	24040835-05B	24040835-06B
24040835-07B	24040835-08B	24040835-09B
24040835-10B	24040835-11B	24040835-12B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040835
 Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **98328** Instrument ID **VMS5** Method: **SW8260B**

MBLK		Sample ID: MBLK-98328-98328			Units: µg/Kg		Analysis Date: 4/22/2024 02:34 PM			
Client ID:		Run ID: VMS5_240422A			SeqNo: 3366965		Prep Date: 4/22/2024		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	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	1.417	5.0								J
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	2.647	5.0								J
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
Work Order: 24040835
Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: 98328	Instrument ID VMS5	Method: SW8260B					
Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	5.0					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	20					
Naphthalene	1.234	5.0					J
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	5.0					
Xylenes, Total	ND	10					
<i>Surr: 4-Bromofluorobenzene</i>	54.52	0	50	0	109	60-140	0
<i>Surr: Dibromofluoromethane</i>	47.9	0	50	0	95.8	60-140	0
<i>Surr: Toluene-d8</i>	51.29	0	50	0	103	60-140	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040835
 Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **98328** Instrument ID **VMS5** Method: **SW8260B**

MBLK		Sample ID: MBLK-98328			Units: µg/Kg		Analysis Date: 4/22/2024 02:21 PM			
Client ID:		Run ID: VMS2_240422B			SeqNo: 3366999		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	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	5.0								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	5.0								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
Work Order: 24040835
Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: 98328	Instrument ID VMS5	Method: SW8260B					
Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	5.0					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	20					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	5.0					
Xylenes, Total	ND	10					
<i>Surr: 4-Bromofluorobenzene</i>	<i>50.04</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>100</i>	<i>60-140</i>	<i>0</i>
<i>Surr: Dibromofluoromethane</i>	<i>52.94</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>106</i>	<i>60-140</i>	<i>0</i>
<i>Surr: Toluene-d8</i>	<i>55.09</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>110</i>	<i>60-140</i>	<i>0</i>

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040835
 Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **98328** Instrument ID **VMS5** Method: **SW8260B**

LCS		Sample ID: LCS-98328-98328				Units: µg/Kg		Analysis Date: 4/22/2024 12:39 PM		
Client ID:		Run ID: VMS5_240422A		SeqNo: 3366962		Prep Date: 4/22/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	54.4	5.0	50	0	109	53.6-149	0			
1,1-Dichloroethene	48.56	5.0	50	0	97.1	38.8-176	0			
1,2-Dichloroethane	50.57	5.0	50	0	101	54.4-145	0			
1,3-Dichlorobenzene	52.09	5.0	50	0	104	54.2-137	0			
1,4-Dichlorobenzene	50.94	5.0	50	0	102	52.8-135	0			
Benzene	51.54	5.0	50	0	103	56-148	0			
Carbon tetrachloride	57	5.0	50	0	114	51.9-151	0			
Chlorobenzene	53.84	5.0	50	0	108	55.4-137	0			
Chloroform	51.91	5.0	50	0	104	51.1-147	0			
cis-1,2-Dichloroethene	49.82	5.0	50	0	99.6	47.6-149	0			
Ethylbenzene	55.51	5.0	50	0	111	55.8-142	0			
m,p-Xylene	111.6	5.0	100	0	112	57.6-141	0			
Styrene	53.55	5.0	50	0	107	59.6-143	0			
Tetrachloroethene	44.41	5.0	50	0	88.8	38.7-101	0			
Toluene	52.46	5.0	50	0	105	56-143	0			
Trichloroethene	52.53	5.0	50	0	105	56.5-143	0			
Surr: 4-Bromofluorobenzene	51.24	0	50	0	102	60-140	0			
Surr: Dibromofluoromethane	47.3	0	50	0	94.6	60-140	0			
Surr: Toluene-d8	50.34	0	50	0	101	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040835
 Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **98328** Instrument ID **VMS5** Method: **SW8260B**

LCS		Sample ID: LCS-98328				Units: µg/Kg		Analysis Date: 4/22/2024 12:41 PM		
Client ID:		Run ID: VMS2_240422B			SeqNo: 3366995		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-Trichloroethane	53.56	5.0	50	0	107	53.6-149	0			
1,1-Dichloroethane	46.76	5.0	50	0	93.5	38.8-176	0			
1,2-Dichloroethane	50.65	5.0	50	0	101	54.4-145	0			
1,3-Dichlorobenzene	49.23	5.0	50	0	98.5	54.2-137	0			
1,4-Dichlorobenzene	48.86	5.0	50	0	97.7	52.8-135	0			
Benzene	49.5	5.0	50	0	99	56-148	0			
Carbon tetrachloride	55.24	5.0	50	0	110	51.9-151	0			
Chlorobenzene	50.72	5.0	50	0	101	55.4-137	0			
Chloroform	51.22	5.0	50	0	102	51.1-147	0			
cis-1,2-Dichloroethene	48.82	5.0	50	0	97.6	47.6-149	0			
Ethylbenzene	51.77	5.0	50	0	104	55.8-142	0			
m,p-Xylene	103.6	5.0	100	0	104	57.6-141	0			
Styrene	50.26	5.0	50	0	101	59.6-143	0			
Tetrachloroethene	43.32	5.0	50	0	86.6	38.7-101	0			
Toluene	50.88	5.0	50	0	102	56-143	0			
Trichloroethene	51.4	5.0	50	0	103	56.5-143	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>49.51</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>99</i>	<i>60-140</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>50.48</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>60-140</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>49.93</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>99.9</i>	<i>60-140</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
Work Order: 24040835
Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **98328** Instrument ID **VMS5** Method: **SW8260B**

MS		Sample ID: 24040720-02A MS				Units: µg/Kg		Analysis Date: 4/22/2024 01:13 PM		
Client ID:		Run ID: VMS5_240422A		SeqNo: 3366963		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-Trichloroethane	55.38	5.0	50	0	111	66.9-140	0			
1,1-Dichloroethene	50.9	5.0	50	0	102	41.4-161	0			
1,2-Dichloroethane	60.06	5.0	50	0	120	58.9-137	0			
1,3-Dichlorobenzene	55.71	5.0	50	0	111	42.5-150	0			
1,4-Dichlorobenzene	55.66	5.0	50	0	111	52.1-137	0			
Benzene	57.22	5.0	50	0	114	35.8-162	0			
Carbon tetrachloride	59.07	5.0	50	0	118	53.2-137	0			
Chlorobenzene	58.99	5.0	50	0	118	65.6-137	0			
Chloroform	61.49	5.0	50	0	123	63.6-147	0			
cis-1,2-Dichloroethene	60.13	5.0	50	0	120	52.9-138	0			
Ethylbenzene	57.58	5.0	50	0	115	57.5-134	0			
m,p-Xylene	116.9	5.0	100	0	117	56.4-135	0			
Styrene	59.96	5.0	50	0	120	60.9-135	0			
Tetrachloroethene	44.33	5.0	50	0	88.7	28.3-109	0			
Toluene	57.7	5.0	50	0	115	67.7-135	0			
Trichloroethene	55.48	5.0	50	0	111	56.5-136	0			
<i>Surr: 4-Bromofluorobenzene</i>	48.93	0	50	0	97.9	60-140	0			
<i>Surr: Dibromofluoromethane</i>	52.96	0	50	0	106	60-140	0			
<i>Surr: Toluene-d8</i>	49.4	0	50	0	98.8	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040835
 Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **98328** Instrument ID **VMS5** Method: **SW8260B**

MS		Sample ID: 24040720-01A MS				Units: µg/Kg		Analysis Date: 4/22/2024 01:11 PM		
Client ID:		Run ID: VMS2_240422B			SeqNo: 3366996		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-Trichloroethane	38.56	5.0	50	0	77.1	66.9-140	0			
1,1-Dichloroethane	33.6	5.0	50	0	67.2	41.4-161	0			
1,2-Dichloroethane	48.92	5.0	50	0	97.8	58.9-137	0			
1,3-Dichlorobenzene	43.24	5.0	50	0	86.5	42.5-150	0			
1,4-Dichlorobenzene	44.08	5.0	50	0	88.2	52.1-137	0			
Benzene	39.54	5.0	50	0	79.1	35.8-162	0			
Carbon tetrachloride	39.23	5.0	50	0	78.5	53.2-137	0			
Chlorobenzene	42.46	5.0	50	0	84.9	65.6-137	0			
Chloroform	43.59	5.0	50	0	87.2	63.6-147	0			
cis-1,2-Dichloroethene	41.55	5.0	50	0	83.1	52.9-138	0			
Ethylbenzene	39.95	5.0	50	0	79.9	57.5-134	0			
m,p-Xylene	83.01	5.0	100	0	83	56.4-135	0			
Styrene	44.22	5.0	50	0	88.4	60.9-135	0			
Tetrachloroethene	31.11	5.0	50	0	62.2	28.3-109	0			
Toluene	40.17	5.0	50	0	80.3	67.7-135	0			
Trichloroethene	39.23	5.0	50	0	78.5	56.5-136	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>50.01</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>100</i>	<i>60-140</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>53.54</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>107</i>	<i>60-140</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>50.92</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>102</i>	<i>60-140</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040835
 Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **98328** Instrument ID **VMS5** Method: **SW8260B**

MSD				Sample ID: 24040720-02A MSD			Units: µg/Kg		Analysis Date: 4/22/2024 01:33 PM		
Client ID:		Run ID: VMS5_240422A			SeqNo: 3366964		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-Trichloroethane	56.36	5.0	50	0	113	66.9-140	55.38	1.76	20		
1,1-Dichloroethene	52.5	5.0	50	0	105	41.4-161	50.9	3.1	20		
1,2-Dichloroethane	61.13	5.0	50	0	122	58.9-137	60.06	1.78	20		
1,3-Dichlorobenzene	56.69	5.0	50	0	113	42.5-150	55.71	1.75	20		
1,4-Dichlorobenzene	56.59	5.0	50	0	113	52.1-137	55.66	1.66	20		
Benzene	57.26	5.0	50	0	115	35.8-162	57.22	0.0804	20		
Carbon tetrachloride	58.02	5.0	50	0	116	53.2-137	59.07	1.78	20		
Chlorobenzene	60.57	5.0	50	0	121	65.6-137	58.99	2.64	20		
Chloroform	60.94	5.0	50	0	122	63.6-147	61.49	0.889	20		
cis-1,2-Dichloroethene	60.15	5.0	50	0	120	52.9-138	60.13	0.0333	20		
Ethylbenzene	59.55	5.0	50	0	119	57.5-134	57.58	3.37	20		
m,p-Xylene	120.1	5.0	100	0	120	56.4-135	116.9	2.67	20		
Styrene	61.62	5.0	50	0	123	60.9-135	59.96	2.73	20		
Tetrachloroethene	45.81	5.0	50	0	91.6	28.3-109	44.33	3.28	20		
Toluene	58.05	5.0	50	0	116	67.7-135	57.7	0.598	20		
Trichloroethene	55.76	5.0	50	0	112	56.5-136	55.48	0.507	20		
Surr: 4-Bromofluorobenzene	49.38	0	50	0	98.8	60-140	48.93	0.934			
Surr: Dibromofluoromethane	51.13	0	50	0	102	60-140	52.96	3.51			
Surr: Toluene-d8	50.07	0	50	0	100	60-140	49.4	1.35			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040835
 Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **98328** Instrument ID **VMS5** Method: **SW8260B**

MSD		Sample ID: 24040720-01A MSD				Units: µg/Kg		Analysis Date: 4/22/2024 01:34 PM		
Client ID:		Run ID: VMS2_240422B		SeqNo: 3366997		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-Trichloroethane	40.1	5.0	50	0	80.2	66.9-140	38.56	3.92	20	
1,1-Dichloroethane	34.59	5.0	50	0	69.2	41.4-161	33.6	2.89	20	
1,2-Dichloroethane	49.73	5.0	50	0	99.5	58.9-137	48.92	1.64	20	
1,3-Dichlorobenzene	43.43	5.0	50	0	86.9	42.5-150	43.24	0.436	20	
1,4-Dichlorobenzene	43.39	5.0	50	0	86.8	52.1-137	44.08	1.58	20	
Benzene	42.24	5.0	50	0	84.5	35.8-162	39.54	6.6	20	
Carbon tetrachloride	40.43	5.0	50	0	80.9	53.2-137	39.23	3	20	
Chlorobenzene	44.09	5.0	50	0	88.2	65.6-137	42.46	3.77	20	
Chloroform	44.85	5.0	50	0	89.7	63.6-147	43.59	2.86	20	
cis-1,2-Dichloroethene	42.56	5.0	50	0	85.1	52.9-138	41.55	2.39	20	
Ethylbenzene	41.92	5.0	50	0	83.8	57.5-134	39.95	4.82	20	
m,p-Xylene	84.19	5.0	100	0	84.2	56.4-135	83.01	1.41	20	
Styrene	44.78	5.0	50	0	89.6	60.9-135	44.22	1.27	20	
Tetrachloroethene	33.38	5.0	50	0	66.8	28.3-109	31.11	7.04	20	
Toluene	42.18	5.0	50	0	84.4	67.7-135	40.17	4.87	20	
Trichloroethene	41.46	5.0	50	0	82.9	56.5-136	39.23	5.54	20	
<i>Surr: 4-Bromofluorobenzene</i>	<i>49.93</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>99.9</i>	<i>60-140</i>	<i>50.01</i>	<i>0.17</i>		
<i>Surr: Dibromofluoromethane</i>	<i>50.2</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>100</i>	<i>60-140</i>	<i>53.54</i>	<i>6.44</i>		
<i>Surr: Toluene-d8</i>	<i>50.74</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>60-140</i>	<i>50.92</i>	<i>0.358</i>		

The following samples were analyzed in this batch:

24040835-01A	24040835-02A	24040835-03A
24040835-04A	24040835-05A	24040835-06A
24040835-07A	24040835-08A	24040835-09A
24040835-10A	24040835-11A	24040835-12A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040835
 Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **R228830** Instrument ID **VMS6** Method: **SW8260B**

MBLK		Sample ID: MBLK-R228830			Units: µg/L		Analysis Date: 4/24/2024 01:05 PM			
Client ID:		Run ID: VMS6_240424A			SeqNo: 3368482		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	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	0.20								
1,2-Dibromoethane	ND	0.050								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	0.253	5.0								J
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	0.515	5.0								J
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
Work Order: 24040835
Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: R228830	Instrument ID VMS6	Method: SW8260B					
Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	10					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	5.0					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	2.0					
Xylenes, Total	ND	15					
<i>Surr: 4-Bromofluorobenzene</i>	<i>55.31</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>111</i>	<i>61-131</i>	<i>0</i>
<i>Surr: Dibromofluoromethane</i>	<i>51.15</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>102</i>	<i>72-137</i>	<i>0</i>
<i>Surr: Toluene-d8</i>	<i>54.04</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>108</i>	<i>93.7-124</i>	<i>0</i>

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040835
 Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **R228830** Instrument ID **VMS6** Method: **SW8260B**

LCS		Sample ID: LCS-R228830				Units: µg/L		Analysis Date: 4/24/2024 10:41 AM		
Client ID:		Run ID: VMS6_240424A			SeqNo: 3368479		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-Trichloroethane	59.64	5.0	50	0	119	48.4-140	0			
1,1-Dichloroethane	53.68	5.0	50	0	107	45.5-150	0			
1,2-Dichloroethane	52.68	5.0	50	0	105	46.5-141	0			
1,3-Dichlorobenzene	53.52	5.0	50	0	107	42.5-133	0			
1,4-Dichlorobenzene	53.17	5.0	50	0	106	38.9-136	0			
Benzene	52.28	5.0	50	0	105	50.7-134	0			
Carbon tetrachloride	60.39	5.0	50	0	121	45.5-143	0			
Chlorobenzene	53.34	5.0	50	0	107	45-133	0			
Chloroform	59.74	5.0	50	0	119	52.4-136	0			
cis-1,2-Dichloroethene	58.66	5.0	50	0	117	49.7-138	0			
Ethylbenzene	56.83	5.0	50	0	114	37.8-145	0			
m,p-Xylene	123.4	10	100	0	123	25.1-163	0			
Methyl tert-butyl ether	46.11	5.0	50	0	92.2	26.7-174	0			
Styrene	65.58	5.0	50	0	131	26.3-172	0			
Tetrachloroethene	36.39	5.0	50	0	72.8	37.3-139	0			
Toluene	49.18	5.0	50	0	98.4	44-135	0			
Trichloroethene	54.83	5.0	50	0	110	45.9-140	0			
Xylenes, Total	183.9	15	150	0	123	47.3-132	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>49.6</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>99.2</i>	<i>61-131</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>54.04</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>108</i>	<i>72-137</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>50.94</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>102</i>	<i>93.7-124</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040835
 Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **R228830** Instrument ID **VMS6** Method: **SW8260B**

MS		Sample ID: 24040819-04A MS				Units: µg/L		Analysis Date: 4/24/2024 11:22 AM		
Client ID:		Run ID: VMS6_240424A			SeqNo: 3368480		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-Trichloroethane	58.33	5.0	50	0	117	40.4-134	0			
1,1-Dichloroethene	49.78	5.0	50	0	99.6	45.3-151	0			
1,2-Dichloroethane	52.03	5.0	50	0	104	37-139	0			
1,3-Dichlorobenzene	53.23	5.0	50	0	106	42.9-121	0			
1,4-Dichlorobenzene	52.17	5.0	50	0	104	53.4-129	0			
Benzene	51.14	5.0	50	0	102	37.4-144	0			
Carbon tetrachloride	57.47	5.0	50	0	115	33.8-150	0			
Chlorobenzene	52.08	5.0	50	0	104	52.4-132	0			
Chloroform	55.94	5.0	50	0	112	45.5-135	0			
cis-1,2-Dichloroethene	55.98	5.0	50	0.615	111	35.2-150	0			
Ethylbenzene	54.85	5.0	50	0	110	46.5-146	0			
m,p-Xylene	114.2	10	100	0	114	38.2-167	0			
Styrene	62	5.0	50	0	124	20.9-184	0			
Tetrachloroethene	33.86	5.0	50	0	67.7	55.2-134	0			
Toluene	49.14	5.0	50	0	98.3	32.7-140	0			
Trichloroethene	57.63	5.0	50	0	115	29.1-153	0			
Xylenes, Total	172	15	150	0	115	43.6-148	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>50.18</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>100</i>	<i>61-131</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>53.97</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>108</i>	<i>72-137</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>50.48</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>93.7-124</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
 Work Order: 24040835
 Project: 401.ODAS003;Laisy Avenue MS24-26

QC BATCH REPORT

Batch ID: **R228830** Instrument ID **VMS6** Method: **SW8260B**

MSD		Sample ID: 24040819-04A MSD				Units: µg/L		Analysis Date: 4/24/2024 11:43 AM		
Client ID:		Run ID: VMS6_240424A			SeqNo: 3368481		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-Trichloroethane	62.49	5.0	50	0	125	40.4-134	58.33	6.88	20	
1,1-Dichloroethane	55.82	5.0	50	0	112	45.3-151	49.78	11.4	20	
1,2-Dichloroethane	52.77	5.0	50	0	106	37-139	52.03	1.4	20	
1,3-Dichlorobenzene	54.28	5.0	50	0	109	42.9-121	53.23	1.97	20	
1,4-Dichlorobenzene	55.2	5.0	50	0	110	53.4-129	52.17	5.65	20	
Benzene	52.58	5.0	50	0	105	37.4-144	51.14	2.78	20	
Carbon tetrachloride	61.47	5.0	50	0	123	33.8-150	57.47	6.72	20	
Chlorobenzene	52.04	5.0	50	0	104	52.4-132	52.08	0.0826	20	
Chloroform	61.82	5.0	50	0	124	45.5-135	55.94	9.98	20	
cis-1,2-Dichloroethene	61.18	5.0	50	0.615	121	35.2-150	55.98	8.88	20	
Ethylbenzene	55.95	5.0	50	0	112	46.5-146	54.85	1.99	20	
m,p-Xylene	118.6	10	100	0	119	38.2-167	114.2	3.83	20	
Styrene	63.69	5.0	50	0	127	20.9-184	62	2.69	20	
Tetrachloroethene	36.15	5.0	50	0	72.3	55.2-134	33.86	6.54	20	
Toluene	49.74	5.0	50	0	99.5	32.7-140	49.14	1.22	20	
Trichloroethene	60.17	5.0	50	0	120	29.1-153	57.63	4.31	20	
Xylenes, Total	178.9	15	150	0	119	43.6-148	172	3.92	20	
<i>Surr: 4-Bromofluorobenzene</i>	<i>48.68</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>97.4</i>	<i>61-131</i>	<i>50.18</i>	<i>3.04</i>		
<i>Surr: Dibromofluoromethane</i>	<i>56.04</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>112</i>	<i>72-137</i>	<i>53.97</i>	<i>3.77</i>		
<i>Surr: Toluene-d8</i>	<i>49.82</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>99.6</i>	<i>93.7-124</i>	<i>50.48</i>	<i>1.31</i>		

The following samples were analyzed in this batch: 24040835-13A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
Project: 401.ODAS003;Laisy Avenue MS24-26
WorkOrder: 24040835

**QUALIFIERS,
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
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

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

<u>Units Reported</u>	<u>Description</u>
% of sample	
µg/L	
mg/Kg-dry	

Sample Receipt Checklist

Client Name: **MANNIK&SMITH-COLUMBUS**

Date/Time Received: **18-Apr-24 16:54**

Work Order: **24040835**

Received by: **MB**

Checklist completed by Chantel.Allen 18-Apr-24
eSignature Date

Reviewed by: Rob Nieman 23-Apr-24
eSignature Date

Matrices: Soil/Water

Carrier name: Courier

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): 2.1 120489

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage: 4/18/2024 17:22

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:



Ship To: **ALS | Environmental**
 4388 Glendale Milford Rd.
 Cincinnati, Ohio 45242
 Phone: (513) 733-5336
 Fax: (513) 733-5347

Field Chain-of-Custody Record

Page _____ of _____

83962

REV 10/2017

24CM0835

Date: 4/16/24 Purchase Order No.: _____
 Company Name: Mannite + Smith Group Project No.: 401.0015003
 Address: 1169 Dublin Rd Sampling Site: Lairdy Avenue
Columbus OH 43245 MS24-26
 City State Zip
 Person to Contact: Matt Pesci Billing Address (if different): Ohio EPA
 Email Address: mpesci@mannitesmithgroup.com D.E.R.R
 Telephone: 419-290-7155 Lairdy Government Center P.O. Box 1049
 Alternate Contact: John Hornburg Columbus, OH 43216-1049

REGULAR Status RUSH Status RESULTS REQUIRED BY: (Date) _____
 CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES
 OH VAP: YES NO BUSTR: YES NO NELAC: YES NO

ALS Lab ID	Sample ID / Description	Date	Time	Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	ANALYSIS REQUESTED													
1	SB-15 (0-2')	4/15/24	1225	9	S	2	1	1												
2	SB-13 (0-2')		1230	9	S	2	1	1												
3	SB-14 (0-2')		1240	9	S	2	1	1												
4	SB-14 (10-12')		1250	9	S	2	1	1												
5	SB-16 (0-2')		1325	9	S	2	1	1												
6	SB-16 (6-8')		1335	9	S	2	1	1												
7	SB-17 (0-2')		1350	9	S	2	1	1												
8	SB-20 (0-2')		1445	9	S	2	1	1												
9	SB-19 (0-2')		1505	9	S	2	1	1												
10	SB-18 (0-2')		1520	9	S	2	1	1												

Notes: _____

Preservation Key: 1 - HCl 2 - HNO₃ 3 - H₂SO₄ 4 - NaOH 5 - Na₂S₂O₃ 6 - NaHSO₄ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C Matrix Key: A - Air B - Bulk S - Soil W - Water

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: [Signature] Time / Date: 1600 4/16/24 Received By: [Signature] Time / Date: 1600 4/16/24
 Relinquished By: [Signature] Time / Date: 13:30 4/17/24 Received By: [Signature] Time / Date: 4:15 4/16/24
 Relinquished By: _____ Time / Date: _____ Received By: _____ Time / Date: _____

ALS LAB USE ONLY 12489

COOLER TEMP: 2.1 °C TAKEN WITH IR#: 119063 119059

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS
 STD MAIL PRY MAIL ALS COURIER OTHER: _____

CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES

pH ADJUSTMENTS: _____



Ship To: **ALS | Environmental**
 4388 Glendale Milford Rd.
 Cincinnati, Ohio 45242
 Phone: (513) 733-5336
 Fax: (513) 733-5347

Field Chain-of-Custody Record

Page _____ of _____

83974

REV 10/2017

24CUC0835

Date: 4/16/24 Purchase Order No.: _____
 Company Name: Mannite 3.5m. In Group Project No.: 401.00A5003
 Address: 1160 Dublin Rd Sampling Site: Lassy Avenue
Columbus OH 43215 MS24-26
 City State Zip
 Person to Contact: Matt Pesci Billing Address (if different): Ohio IEPA
 Email Address: mpesci@mannite3.5m.com D.E.R.R.
 Telephone: 419: 290-2955 Lucas Government Center PO 1049
 Alternate Contact: John Hornburg Columbus, OH 43216-1049

REGULAR Status RUSH Status RESULTS REQUIRED BY: (Date) _____
 CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES
 OH VAP: YES NO BUSTR: YES NO NELAC: YES NO

ALS Lab ID	Sample ID / Description	Date	Time	Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	ANALYSIS REQUESTED													
11	SB-24 (0-2')	4/15/24	1550	9	S	2	1	1												
12	SB-16 (6-8') PUP	4/15/24	1335	9	S	2	1	1												
13	Trip Blank			1	W	1														

Notes: _____

Preservation Key: 1 - HCl 2 - HNO₃ 3 - H₂SO₄ 4 - NaOH 5 - Na₂S₂O₃ 6 - NaHSO₄ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C Matrix Key: A - Air B - Bulk S - Soil W - Water

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: <u>[Signature]</u>	Time / Date: <u>4/16/24</u>	Received By: <u>[Signature]</u>	Time / Date: <u>4/16/24</u>
Relinquished By: <u>[Signature]</u>	Time / Date: <u>13:00 4/16/24</u>	Received By: <u>[Signature]</u>	Time / Date: <u>16:39 4/16/24</u>
Relinquished By: _____	Time / Date: _____	Received By: _____	Time / Date: _____

ALS LAB USE ONLY 24CUC0835

COOLER TEMP: 2.1 °C TAKEN WITH IR#: 119063 119059
 COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK
 DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS
 STD MAIL PRTY MAIL ALS COURIER OTHER: _____
 CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES
 pH ADJUSTMENTS: _____



29-Apr-2024

Matt Pesci
The Mannik & Smith Group, Inc.
1160 Dublin Road
Suite 100
Columbus, OH 43215

Re: **Laisy Avenue; MS24-26; 401.ODAS003**

Work Order: **24040920**

Dear Matt,

ALS Environmental received 4 samples on 19-Apr-2024 03:40 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met 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 Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 12.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

Rob Nieman

Electronically approved by: Rob Nieman

Rob Nieman
Project Manager

Report of Laboratory Analysis

ADDRESS 4388 Glendale Milford Rd Cincinnati, OH 45242- | PHONE (513) 733-5336 | FAX (513) 733-5347

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental 

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: The Mannik & Smith Group, Inc.
Project: Laisy Avenue; MS24-26; 401.ODAS003
Work Order: 24040920

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
24040920-01	SB-21 (0-2')	Soil		4/17/2024 08:20	4/19/2024 15:40	<input type="checkbox"/>
24040920-02	SB-21 (6-8')	Soil		4/17/2024 08:30	4/19/2024 15:40	<input type="checkbox"/>
24040920-03	SB-23 (0-2')	Soil		4/17/2024 08:30	4/19/2024 15:40	<input type="checkbox"/>
24040920-04	SB-22 (0-2')	Soil		4/17/2024 08:45	4/19/2024 15:40	<input type="checkbox"/>

Client: The Mannik & Smith Group, Inc.
Project: Laisy Avenue; MS24-26; 401.ODAS003
Work Order: 24040920

Case Narrative

The analyses requested were analyzed according to Ohio Voluntary Action Program requirements. Affidavits are available upon request.

The analytical data provided relates directly to the samples received by ALS Laboratory Group and for only the analyses requested.

QC sample results for this data met 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 Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

Batch 98340, Method 8082_PCB_S, Sample 24040838-07AMS: 1260 failed due to the presence of PCB's in the sample.

Batch 98340, Method 8082_PCB_S, Sample 24040838-07AMSD: 1260 failed due to the presence of PCB's in the sample.

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Avenue; MS24-26; 401.ODAS003
Sample ID: SB-21 (0-2')
Collection Date: 4/17/2024 08:20 AM

Work Order: 24040920
Lab ID: 24040920-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/24/24 11:43		Analyst: TSA
Aroclor 1016	ND		0.11	mg/Kg-dry	1	4/25/2024 07:04 PM
Aroclor 1221	ND		0.22	mg/Kg-dry	1	4/25/2024 07:04 PM
Aroclor 1232	ND		0.11	mg/Kg-dry	1	4/25/2024 07:04 PM
Aroclor 1242	ND		0.11	mg/Kg-dry	1	4/25/2024 07:04 PM
Aroclor 1248	ND		0.11	mg/Kg-dry	1	4/25/2024 07:04 PM
Aroclor 1254	ND		0.11	mg/Kg-dry	1	4/25/2024 07:04 PM
Aroclor 1260	ND		0.11	mg/Kg-dry	1	4/25/2024 07:04 PM
Aroclor 1262	ND		0.11	mg/Kg-dry	1	4/25/2024 07:04 PM
Aroclor 1268	ND		0.11	mg/Kg-dry	1	4/25/2024 07:04 PM
Surr: Decachlorobiphenyl	78.0		7.32-154	%REC	1	4/25/2024 07:04 PM
Surr: Tetrachloro-m-xylene	86.0		33.5-152	%REC	1	4/25/2024 07:04 PM
MOISTURE			SM2540B			Analyst: CS
Moisture	8.6			% of sample	1	4/22/2024

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Avenue; MS24-26; 401.ODAS003
Sample ID: SB-21 (6-8')
Collection Date: 4/17/2024 08:30 AM

Work Order: 24040920
Lab ID: 24040920-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/24/24 11:43		Analyst: TSA
Aroclor 1016	ND		0.12	mg/Kg-dry	1	4/25/2024 07:20 PM
Aroclor 1221	ND		0.24	mg/Kg-dry	1	4/25/2024 07:20 PM
Aroclor 1232	ND		0.12	mg/Kg-dry	1	4/25/2024 07:20 PM
Aroclor 1242	ND		0.12	mg/Kg-dry	1	4/25/2024 07:20 PM
Aroclor 1248	ND		0.12	mg/Kg-dry	1	4/25/2024 07:20 PM
Aroclor 1254	ND		0.12	mg/Kg-dry	1	4/25/2024 07:20 PM
Aroclor 1260	ND		0.12	mg/Kg-dry	1	4/25/2024 07:20 PM
Aroclor 1262	ND		0.12	mg/Kg-dry	1	4/25/2024 07:20 PM
Aroclor 1268	ND		0.12	mg/Kg-dry	1	4/25/2024 07:20 PM
Surr: Decachlorobiphenyl	100		7.32-154	%REC	1	4/25/2024 07:20 PM
Surr: Tetrachloro-m-xylene	118		33.5-152	%REC	1	4/25/2024 07:20 PM
MOISTURE			SM2540B			Analyst: CS
Moisture	17			% of sample	1	4/22/2024

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Avenue; MS24-26; 401.ODAS003
Sample ID: SB-23 (0-2')
Collection Date: 4/17/2024 08:30 AM

Work Order: 24040920
Lab ID: 24040920-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/24/24 11:43		Analyst: TSA
Aroclor 1016	ND		0.12	mg/Kg-dry	1	4/25/2024 07:36 PM
Aroclor 1221	ND		0.24	mg/Kg-dry	1	4/25/2024 07:36 PM
Aroclor 1232	ND		0.12	mg/Kg-dry	1	4/25/2024 07:36 PM
Aroclor 1242	ND		0.12	mg/Kg-dry	1	4/25/2024 07:36 PM
Aroclor 1248	ND		0.12	mg/Kg-dry	1	4/25/2024 07:36 PM
Aroclor 1254	ND		0.12	mg/Kg-dry	1	4/25/2024 07:36 PM
Aroclor 1260	ND		0.12	mg/Kg-dry	1	4/25/2024 07:36 PM
Aroclor 1262	ND		0.12	mg/Kg-dry	1	4/25/2024 07:36 PM
Aroclor 1268	ND		0.12	mg/Kg-dry	1	4/25/2024 07:36 PM
Surr: Decachlorobiphenyl	88.0		7.32-154	%REC	1	4/25/2024 07:36 PM
Surr: Tetrachloro-m-xylene	102		33.5-152	%REC	1	4/25/2024 07:36 PM
MOISTURE			SM2540B			Analyst: CS
Moisture	17			% of sample	1	4/22/2024

Note:

ALS Environmental

Date: 29-Apr-24

Client: The Mannik & Smith Group, Inc.
Project: Laisy Avenue; MS24-26; 401.ODAS003
Sample ID: SB-22 (0-2')
Collection Date: 4/17/2024 08:45 AM

Work Order: 24040920
Lab ID: 24040920-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082	Prep: SW3546 4/24/24 11:43		Analyst: TSA
Aroclor 1016	ND		0.11	mg/Kg-dry	1	4/25/2024 07:52 PM
Aroclor 1221	ND		0.23	mg/Kg-dry	1	4/25/2024 07:52 PM
Aroclor 1232	ND		0.11	mg/Kg-dry	1	4/25/2024 07:52 PM
Aroclor 1242	ND		0.11	mg/Kg-dry	1	4/25/2024 07:52 PM
Aroclor 1248	ND		0.11	mg/Kg-dry	1	4/25/2024 07:52 PM
Aroclor 1254	ND		0.11	mg/Kg-dry	1	4/25/2024 07:52 PM
Aroclor 1260	ND		0.11	mg/Kg-dry	1	4/25/2024 07:52 PM
Aroclor 1262	ND		0.11	mg/Kg-dry	1	4/25/2024 07:52 PM
Aroclor 1268	ND		0.11	mg/Kg-dry	1	4/25/2024 07:52 PM
Surr: Decachlorobiphenyl	84.0		7.32-154	%REC	1	4/25/2024 07:52 PM
Surr: Tetrachloro-m-xylene	92.0		33.5-152	%REC	1	4/25/2024 07:52 PM
MOISTURE			SM2540B			Analyst: CS
Moisture	13			% of sample	1	4/22/2024

Note:

Client: The Mannik & Smith Group, Inc.
Work Order: 24040920
Project: Laisy Avenue; MS24-26; 401.ODAS003

QC BATCH REPORT

Batch ID: **98340** Instrument ID **GC3** Method: **SW8082**

MBLK		Sample ID: MBLK-98340-98340				Units: mg/Kg		Analysis Date: 4/24/2024 11:35 AM			
Client ID:		Run ID: GC3_240424A				SeqNo: 3368337		Prep Date: 4/24/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Aroclor 1016	ND	0.10									
Aroclor 1221	ND	0.20									
Aroclor 1232	ND	0.10									
Aroclor 1242	ND	0.10									
Aroclor 1248	ND	0.10									
Aroclor 1254	ND	0.10									
Aroclor 1260	ND	0.10									
Aroclor 1262	ND	0.10									
Aroclor 1268	ND	0.10									
<i>Surr: Decachlorobiphenyl</i>	<i>0.06267</i>	<i>0</i>	<i>0.0667</i>	<i>0</i>	<i>94</i>	<i>7.32-154</i>	<i>0</i>				
<i>Surr: Tetrachloro-m-xylene</i>	<i>0.06133</i>	<i>0</i>	<i>0.0667</i>	<i>0</i>	<i>92</i>	<i>33.5-152</i>	<i>0</i>				

LCS		Sample ID: LCS-98340-98340				Units: mg/Kg		Analysis Date: 4/24/2024 11:51 AM			
Client ID:		Run ID: GC3_240424A				SeqNo: 3368338		Prep Date: 4/24/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Aroclor 1016	1.497	0.10	1.333	0	112	53.1-145	0				
Aroclor 1260	1.484	0.10	1.333	0	111	58.2-144	0				
<i>Surr: Decachlorobiphenyl</i>	<i>0.06267</i>	<i>0</i>	<i>0.0667</i>	<i>0</i>	<i>94</i>	<i>7.32-154</i>	<i>0</i>				
<i>Surr: Tetrachloro-m-xylene</i>	<i>0.06533</i>	<i>0</i>	<i>0.0667</i>	<i>0</i>	<i>98</i>	<i>33.5-152</i>	<i>0</i>				

MS		Sample ID: 24040838-07AMS				Units: mg/Kg		Analysis Date: 4/24/2024 12:07 PM			
Client ID:		Run ID: GC3_240424A				SeqNo: 3368339		Prep Date: 4/24/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Aroclor 1016	1.542	0.10	1.337	0	115	34.7-137	0				
Aroclor 1260	3.803	0.10	1.337	15.84	-900	27.1-140	0			SO	
<i>Surr: Decachlorobiphenyl</i>	<i>0.0602</i>	<i>0</i>	<i>0.06692</i>	<i>0</i>	<i>90</i>	<i>7.32-154</i>	<i>0</i>				
<i>Surr: Tetrachloro-m-xylene</i>	<i>0.06288</i>	<i>0</i>	<i>0.06692</i>	<i>0</i>	<i>94</i>	<i>33.5-152</i>	<i>0</i>				

MSD		Sample ID: 24040838-07AMSD				Units: mg/Kg		Analysis Date: 4/24/2024 12:23 PM			
Client ID:		Run ID: GC3_240424A				SeqNo: 3368340		Prep Date: 4/24/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Aroclor 1016	1.519	0.10	1.335	0	114	34.7-137	1.542	1.51	20		
Aroclor 1260	3.502	0.10	1.335	15.84	-925	27.1-140	3.803	8.25	20	SO	
<i>Surr: Decachlorobiphenyl</i>	<i>0.05741</i>	<i>0</i>	<i>0.06679</i>	<i>0</i>	<i>86</i>	<i>7.32-154</i>	<i>0.0602</i>	<i>4.75</i>			
<i>Surr: Tetrachloro-m-xylene</i>	<i>0.06275</i>	<i>0</i>	<i>0.06679</i>	<i>0</i>	<i>94</i>	<i>33.5-152</i>	<i>0.06288</i>	<i>0.2</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
Work Order: 24040920
Project: Laisy Avenue; MS24-26; 401.ODAS003

QC BATCH REPORT

Batch ID: **98340** Instrument ID **GC3** Method: **SW8082**

The following samples were analyzed in this batch:

24040920-01A	24040920-02A	24040920-03A
24040920-04A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group, Inc.
Project: Laisy Avenue; MS24-26; 401.ODAS003
WorkOrder: 24040920

**QUALIFIERS,
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
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

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SDL	Sample Detection Limit
SW	SW-846 Method

<u>Units Reported</u>	<u>Description</u>
% of sample	
mg/Kg-dry	

Sample Receipt Checklist

Client Name: **MANNIK&SMITH-COLUMBUS**

Date/Time Received: **19-Apr-24 15:40**

Work Order: **24040920**

Received by: **AB1**

Checklist completed by Alec Bolender 19-Apr-24
eSignature Date

Reviewed by: Rob Nieman 24-Apr-24
eSignature Date

Matrices: soil
 Carrier name: Courier

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample(s) received on ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<input type="text" value="3.3"/>	<input type="text" value="120489"/>	
Cooler(s)/Kit(s):	<input type="text"/>		
Date/Time sample(s) sent to storage:	<input type="text"/>		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:	<input type="text"/>		

Login Notes:



Client Contacted: _____ Date Contacted: _____ Person Contacted: _____

Contacted By: _____ Regarding: _____

Comments:

CorrectiveAction:



Ship To: **ALS | Environmental**
 4388 Glendale Milford Rd.
 Cincinnati, Ohio 45242
 Phone: (513) 733-5336
 Fax: (513) 733-5347

Field Chain-of-Custody Record

Page 1 of 1

83966

REV 10/2017

24040920

Date: 4/17/24 Purchase Order No.: _____
 Company Name: Mannik & Smith Group Project No.: 401.0DA5003
 Address: 1160 Dublin Rd. Sampling Site: Laisy Avenue
Columbus OH 43215 MS24-26
 City State Zip
 Person to Contact: Matt Pesci Billing Address (if different): Ohio EPA
 Email Address: mpesci@manniksmithgroup.com D.E. RR
 Telephone: 419 290-2955 Lorainus Government Center P.O. Box 1009
 Alternate Contact: John Thornburg Columbus, OH 43216-1049

REGULAR Status RUSH Status RESULTS REQUIRED BY: (Date) _____
 CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES
 OH VAP: YES NO BUSTR: YES NO NELAC: YES NO

ALS Lab ID	Sample ID / Description	Date	Time
	SB-21 (0-2')	4/17/24	0820
	SB-21 (6-8')	↓	0830
	SB-23 (0-2')	↓	0830
	SB-22 (0-2')	↓	0845

Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	ANALYSIS REQUESTED																	
9	S	1																		
9	S	1																		
9	S	1																		
9	S	1																		

Notes: _____

Preservation Key: 1 - HCl 2 - HNO₃ 3 - H₂SO₄ 4 - NaOH 5 - Na₂S₂O₃ 6 - NaHSO₄ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C Matrix Key: A - Air B - Bulk S - Soil W - Water

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: [Signature] Time / Date: 11:00 4/19/24 Received By: [Signature] Time / Date: 10:00 4/18/24
 Relinquished By: [Signature] Time / Date: 12:30 4/19/24 Received By: [Signature] Time / Date: ALS 4/19/24 11:46
 Relinquished By: [Signature] Time / Date: _____ Received By: [Signature] Time / Date: _____

ALS LAB USE ONLY 120489
 COOLER TEMP: 3.3 °C TAKEN WITH IR#: 119063 119059
 COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK
 DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS
 STD MAIL PRTY MAIL ALS COURIER OTHER: _____
 CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES
 pH ADJUSTMENTS: _____



13-May-2024

Matt Pesci
The Mannik & Smith Group
1800 Indian Wood Circle
Maumee, OH 43537

Re: **Former Harshaw Chemical; MS24-26; ODAS0003-53**

Work Order: **24041466**

Dear Matt,

ALS Environmental received 5 samples on 29-Apr-2024 01:49 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met 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 Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 47.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

Rob Nieman

Electronically approved by: Rob Nieman

Rob Nieman
Project Manager

Report of Laboratory Analysis

ADDRESS 4388 Glendale Milford Rd Cincinnati, OH 45242- | PHONE (513) 733-5336 | FAX (513) 733-5347

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental 

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Client: The Mannik & Smith Group
Project: Former Harshaw Chemical; MS24-26; ODAS0003-53
Work Order: 24041466

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
24041466-01	MW-2	Water		4/25/2024 11:25	4/29/2024 13:49	<input type="checkbox"/>
24041466-02	MW-10	Water		4/25/2024 12:05	4/29/2024 13:49	<input type="checkbox"/>
24041466-03	MW-12	Water		4/25/2024 11:50	4/29/2024 13:49	<input type="checkbox"/>
24041466-04	MW-16	Water		4/25/2024 12:15	4/29/2024 13:49	<input type="checkbox"/>
24041466-05	Trip Blank	Water		4/25/2024	4/29/2024 13:49	<input type="checkbox"/>

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group
Project: Former Harshaw Chemical; MS24-26; ODAS0003-53
Work Order: 24041466

Case Narrative

The analyses requested were analyzed according to Ohio Voluntary Action Program requirements. Affidavits are available upon request.

The analytical data provided relates directly to the samples received by ALS Laboratory Group and for only the analyses requested.

QC sample results for this data met 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 Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

Metal samples were analyzed at ALS Holland, MI lab.

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: Former Harshaw Chemical; MS24-26; ODAS0003-53

Work Order: 24041466

Sample ID: MW-2

Lab ID: 24041466-01

Collection Date: 4/25/2024 11:25 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PAH COMPOUNDS			SW8270C	Prep: SW3511 5/1/24 11:39	Analyst: DTL	
1-Methylnaphthalene	110		7.1	µg/L	50	5/3/2024 04:40 PM
2-Methylnaphthalene	26		7.1	µg/L	50	5/3/2024 04:40 PM
Acenaphthene	12		0.14	µg/L	1	5/3/2024 02:34 AM
Acenaphthylene	15		0.14	µg/L	1	5/3/2024 02:34 AM
Anthracene	3.0		0.14	µg/L	1	5/3/2024 02:34 AM
Benzo(a)anthracene	ND		0.14	µg/L	1	5/3/2024 02:34 AM
Benzo(a)pyrene	ND		0.14	µg/L	1	5/3/2024 02:34 AM
Benzo(b)fluoranthene	ND		0.14	µg/L	1	5/3/2024 02:34 AM
Benzo(g,h,i)perylene	ND		0.14	µg/L	1	5/3/2024 02:34 AM
Benzo(k)fluoranthene	ND		0.14	µg/L	1	5/3/2024 02:34 AM
Carbazole	13		0.14	µg/L	1	5/3/2024 02:34 AM
Chrysene	ND		0.14	µg/L	1	5/3/2024 02:34 AM
Dibenzo(a,h)anthracene	ND		0.035	µg/L	1	5/3/2024 02:34 AM
Dibenzofuran	17		0.14	µg/L	1	5/3/2024 02:34 AM
Fluoranthene	1.8		0.14	µg/L	1	5/3/2024 02:34 AM
Fluorene	21		0.14	µg/L	1	5/3/2024 02:34 AM
Indeno(1,2,3-cd)pyrene	ND		0.11	µg/L	1	5/3/2024 02:34 AM
Naphthalene	ND		0.14	µg/L	1	5/3/2024 02:34 AM
Phenanthrene	19		0.14	µg/L	1	5/3/2024 02:34 AM
Pyrene	1.1		0.14	µg/L	1	5/3/2024 02:34 AM
<i>Surr: 2-Fluorobiphenyl</i>	<i>101</i>		<i>21.6-144</i>	<i>%REC</i>	1	5/3/2024 02:34 AM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Analyst: TJH	
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	5/3/2024 02:07 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	5/3/2024 02:07 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	5/3/2024 02:07 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	5/3/2024 02:07 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	5/3/2024 02:07 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	5/3/2024 02:07 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
1,2,4-Trimethylbenzene	24		5.0	µg/L	1	5/3/2024 02:07 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	5/3/2024 02:07 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	5/3/2024 02:07 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	5/3/2024 02:07 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	5/3/2024 02:07 PM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: Former Harshaw Chemical; MS24-26; ODAS0003-53

Work Order: 24041466

Sample ID: MW-2

Lab ID: 24041466-01

Collection Date: 4/25/2024 11:25 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	5/3/2024 02:07 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	5/3/2024 02:07 PM
2-Butanone	ND		50	µg/L	1	5/3/2024 02:07 PM
2-Chlorotoluene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
2-Hexanone	ND		5.0	µg/L	1	5/3/2024 02:07 PM
4-Chlorotoluene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Acetone	ND		50	µg/L	1	5/3/2024 02:07 PM
Benzene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Bromobenzene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Bromochloromethane	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Bromodichloromethane	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Bromoform	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Bromomethane	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Carbon disulfide	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Carbon tetrachloride	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Chlorobenzene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Chloroethane	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Chloroform	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Chloromethane	ND		5.0	µg/L	1	5/3/2024 02:07 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Dibromochloromethane	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Dibromomethane	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Ethylbenzene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Isopropylbenzene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
m,p-Xylene	ND		10	µg/L	1	5/3/2024 02:07 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Methylene chloride	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Naphthalene	320		50	µg/L	10	5/6/2024 02:59 PM
n-Butylbenzene	5.1		5.0	µg/L	1	5/3/2024 02:07 PM
n-Propylbenzene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
o-Xylene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
p-Isopropyltoluene	10		5.0	µg/L	1	5/3/2024 02:07 PM
sec-Butylbenzene	ND		5.0	µg/L	1	5/3/2024 02:07 PM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: Former Harshaw Chemical; MS24-26; ODAS0003-53

Work Order: 24041466

Sample ID: MW-2

Lab ID: 24041466-01

Collection Date: 4/25/2024 11:25 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
tert-Butylbenzene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Tetrachloroethene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Toluene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Trichloroethene	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	5/3/2024 02:07 PM
Vinyl chloride	ND		2.0	µg/L	1	5/3/2024 02:07 PM
Xylenes, Total	ND		15	µg/L	1	5/3/2024 02:07 PM
<i>Surr: 4-Bromofluorobenzene</i>	86.6		61-131	%REC	1	5/3/2024 02:07 PM
<i>Surr: Dibromofluoromethane</i>	122		72-137	%REC	1	5/3/2024 02:07 PM
<i>Surr: Toluene-d8</i>	97.5		93.7-124	%REC	1	5/3/2024 02:07 PM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: Former Harshaw Chemical; MS24-26; ODAS0003-53

Work Order: 24041466

Sample ID: MW-10

Lab ID: 24041466-02

Collection Date: 4/25/2024 12:05 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PAH COMPOUNDS			SW8270C		Prep: SW3511 5/1/24 11:39	Analyst: DTL
1-Methylnaphthalene	ND		0.14	µg/L	1	5/3/2024 02:51 AM
2-Methylnaphthalene	ND		0.14	µg/L	1	5/3/2024 02:51 AM
Acenaphthene	ND		0.14	µg/L	1	5/3/2024 02:51 AM
Acenaphthylene	ND		0.14	µg/L	1	5/3/2024 02:51 AM
Anthracene	ND		0.14	µg/L	1	5/3/2024 02:51 AM
Benzo(a)anthracene	ND		0.14	µg/L	1	5/3/2024 02:51 AM
Benzo(a)pyrene	ND		0.14	µg/L	1	5/3/2024 02:51 AM
Benzo(b)fluoranthene	ND		0.14	µg/L	1	5/3/2024 02:51 AM
Benzo(g,h,i)perylene	ND		0.14	µg/L	1	5/3/2024 02:51 AM
Benzo(k)fluoranthene	ND		0.14	µg/L	1	5/3/2024 02:51 AM
Carbazole	ND		0.14	µg/L	1	5/3/2024 02:51 AM
Chrysene	ND		0.14	µg/L	1	5/3/2024 02:51 AM
Dibenzo(a,h)anthracene	ND		0.036	µg/L	1	5/3/2024 02:51 AM
Dibenzofuran	ND		0.14	µg/L	1	5/3/2024 02:51 AM
Fluoranthene	ND		0.14	µg/L	1	5/3/2024 02:51 AM
Fluorene	ND		0.14	µg/L	1	5/3/2024 02:51 AM
Indeno(1,2,3-cd)pyrene	ND		0.11	µg/L	1	5/3/2024 02:51 AM
Naphthalene	ND		0.14	µg/L	1	5/3/2024 02:51 AM
Phenanthrene	ND		0.14	µg/L	1	5/3/2024 02:51 AM
Pyrene	ND		0.14	µg/L	1	5/3/2024 02:51 AM
<i>Surr: 2-Fluorobiphenyl</i>	91.9		21.6-144	%REC	1	5/3/2024 02:51 AM
VOLATILE ORGANIC COMPOUNDS			SW8260B			Analyst: TJH
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	5/3/2024 02:28 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	5/3/2024 02:28 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	5/3/2024 02:28 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	5/3/2024 02:28 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	5/3/2024 02:28 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	5/3/2024 02:28 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	5/3/2024 02:28 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	5/3/2024 02:28 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	5/3/2024 02:28 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	5/3/2024 02:28 PM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: Former Harshaw Chemical; MS24-26; ODAS0003-53

Work Order: 24041466

Sample ID: MW-10

Lab ID: 24041466-02

Collection Date: 4/25/2024 12:05 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	5/3/2024 02:28 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	5/3/2024 02:28 PM
2-Butanone	ND		50	µg/L	1	5/3/2024 02:28 PM
2-Chlorotoluene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
2-Hexanone	ND		5.0	µg/L	1	5/3/2024 02:28 PM
4-Chlorotoluene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Acetone	ND		50	µg/L	1	5/3/2024 02:28 PM
Benzene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Bromobenzene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Bromochloromethane	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Bromodichloromethane	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Bromoform	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Bromomethane	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Carbon disulfide	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Carbon tetrachloride	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Chlorobenzene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Chloroethane	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Chloroform	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Chloromethane	ND		5.0	µg/L	1	5/3/2024 02:28 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Dibromochloromethane	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Dibromomethane	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Ethylbenzene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Isopropylbenzene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
m,p-Xylene	ND		10	µg/L	1	5/3/2024 02:28 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Methylene chloride	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Naphthalene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
n-Butylbenzene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
n-Propylbenzene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
o-Xylene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
sec-Butylbenzene	ND		5.0	µg/L	1	5/3/2024 02:28 PM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: Former Harshaw Chemical; MS24-26; ODAS0003-53

Work Order: 24041466

Sample ID: MW-10

Lab ID: 24041466-02

Collection Date: 4/25/2024 12:05 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
tert-Butylbenzene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Tetrachloroethene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Toluene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Trichloroethene	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	5/3/2024 02:28 PM
Vinyl chloride	ND		2.0	µg/L	1	5/3/2024 02:28 PM
Xylenes, Total	ND		15	µg/L	1	5/3/2024 02:28 PM
Surr: 4-Bromofluorobenzene	104		61-131	%REC	1	5/3/2024 02:28 PM
Surr: Dibromofluoromethane	103		72-137	%REC	1	5/3/2024 02:28 PM
Surr: Toluene-d8	104		93.7-124	%REC	1	5/3/2024 02:28 PM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: Former Harshaw Chemical; MS24-26; ODAS0003-53

Work Order: 24041466

Sample ID: MW-12

Lab ID: 24041466-03

Collection Date: 4/25/2024 11:50 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			SW6020A		Analyst: ALSHN	
Antimony	ND		5.0	µg/L	1	5/9/2024 04:51 PM
Arsenic	6.9		5.0	µg/L	1	5/9/2024 04:51 PM
Barium	80		5.0	µg/L	1	5/9/2024 04:51 PM
Beryllium	ND		2.0	µg/L	1	5/9/2024 04:51 PM
Cadmium	ND		2.0	µg/L	1	5/9/2024 04:51 PM
Chromium	ND		5.0	µg/L	1	5/9/2024 04:51 PM
Cobalt	ND		5.0	µg/L	1	5/9/2024 04:51 PM
Lead	ND		5.0	µg/L	1	5/9/2024 04:51 PM
Nickel	ND		5.0	µg/L	1	5/9/2024 04:51 PM
Selenium	ND		5.0	µg/L	1	5/9/2024 04:51 PM
Silver	ND		5.0	µg/L	1	5/9/2024 04:51 PM
Thallium	ND		2.0	µg/L	1	5/9/2024 04:51 PM
Vanadium	ND		5.0	µg/L	1	5/9/2024 04:51 PM
Zinc	ND		10	µg/L	1	5/9/2024 04:51 PM
MERCURY BY CVAA			SW7470A		Analyst: ALSHN	
Mercury	ND		0.20	µg/L	1	5/2/2024 07:41 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C		Prep: SW3510C 5/1/24 14:32 Analyst: DTL	
1,2,4,5-Tetrachlorobenzene	ND		9.62	µg/L	1	5/2/2024 05:16 PM
1,2,4-Trichlorobenzene	ND		9.62	µg/L	1	5/2/2024 05:16 PM
1,2-Dichlorobenzene	ND		9.62	µg/L	1	5/2/2024 05:16 PM
1,3-Dichlorobenzene	ND		9.62	µg/L	1	5/2/2024 05:16 PM
1,3-Dinitrobenzene	ND		9.62	µg/L	1	5/2/2024 05:16 PM
1,4-Dichlorobenzene	ND		9.62	µg/L	1	5/2/2024 05:16 PM
1-Methylnaphthalene	ND		0.192	µg/L	1	5/2/2024 05:16 PM
1-Naphthylamine	ND		9.62	µg/L	1	5/2/2024 05:16 PM
2,3,4,6-Tetrachlorophenol	ND		9.62	µg/L	1	5/2/2024 05:16 PM
2,4,5-Trichlorophenol	ND		9.62	µg/L	1	5/2/2024 05:16 PM
2,4,6-Trichlorophenol	ND		9.62	µg/L	1	5/2/2024 05:16 PM
2,4-Dichlorophenol	ND		9.62	µg/L	1	5/2/2024 05:16 PM
2,4-Dimethylphenol	ND		9.62	µg/L	1	5/2/2024 05:16 PM
2,4-Dinitrophenol	ND		9.62	µg/L	1	5/2/2024 05:16 PM
2,4-Dinitrotoluene	ND		9.62	µg/L	1	5/2/2024 05:16 PM
2,6-Dichlorophenol	ND		9.62	µg/L	1	5/2/2024 05:16 PM
2,6-Dinitrotoluene	ND		9.62	µg/L	1	5/2/2024 05:16 PM
2-Acetylaminofluorene	ND		9.62	µg/L	1	5/2/2024 05:16 PM
2-Chloronaphthalene	ND		9.62	µg/L	1	5/2/2024 05:16 PM
2-Chlorophenol	ND		9.62	µg/L	1	5/2/2024 05:16 PM
2-Methylnaphthalene	ND		0.192	µg/L	1	5/2/2024 05:16 PM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: Former Harshaw Chemical; MS24-26; ODAS0003-53

Work Order: 24041466

Sample ID: MW-12

Lab ID: 24041466-03

Collection Date: 4/25/2024 11:50 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Methylphenol	ND		9.62	µg/L	1	5/2/2024 05:16 PM
2-Naphthylamine	ND		9.62	µg/L	1	5/2/2024 05:16 PM
2-Nitroaniline	ND		9.62	µg/L	1	5/2/2024 05:16 PM
2-Nitrophenol	ND		9.62	µg/L	1	5/2/2024 05:16 PM
2-Picoline	ND		9.62	µg/L	1	5/2/2024 05:16 PM
3&4-Methylphenol	ND		9.62	µg/L	1	5/2/2024 05:16 PM
3,3'-Dichlorobenzidine	ND		9.62	µg/L	1	5/2/2024 05:16 PM
3-Methylcholanthrene	ND		9.62	µg/L	1	5/2/2024 05:16 PM
3-Nitroaniline	ND		9.62	µg/L	1	5/2/2024 05:16 PM
4,6-Dinitro-2-methylphenol	ND		9.62	µg/L	1	5/2/2024 05:16 PM
4-Aminobiphenyl	ND		9.62	µg/L	1	5/2/2024 05:16 PM
4-Bromophenyl phenyl ether	ND		9.62	µg/L	1	5/2/2024 05:16 PM
4-Chloro-3-methylphenol	ND		9.62	µg/L	1	5/2/2024 05:16 PM
4-Chloroaniline	ND		9.62	µg/L	1	5/2/2024 05:16 PM
4-Chlorophenyl phenyl ether	ND		9.62	µg/L	1	5/2/2024 05:16 PM
4-Nitroaniline	ND		9.62	µg/L	1	5/2/2024 05:16 PM
4-Nitrophenol	ND		9.62	µg/L	1	5/2/2024 05:16 PM
4-Nitroquinoline 1-oxide	ND		9.62	µg/L	1	5/2/2024 05:16 PM
5-Nitro-o-toluidine	ND		9.62	µg/L	1	5/2/2024 05:16 PM
7,12-Dimethylbenz(a)anthracene	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Acenaphthene	ND		0.192	µg/L	1	5/2/2024 05:16 PM
Acenaphthylene	ND		0.192	µg/L	1	5/2/2024 05:16 PM
Acetophenone	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Aniline	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Anthracene	ND		0.192	µg/L	1	5/2/2024 05:16 PM
Azobenzene	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Benzidine	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Benzo(a)anthracene	ND		0.192	µg/L	1	5/2/2024 05:16 PM
Benzo(a)pyrene	ND		0.192	µg/L	1	5/2/2024 05:16 PM
Benzo(b)fluoranthene	ND		0.192	µg/L	1	5/2/2024 05:16 PM
Benzo(g,h,i)perylene	ND		0.192	µg/L	1	5/2/2024 05:16 PM
Benzo(k)fluoranthene	ND		0.192	µg/L	1	5/2/2024 05:16 PM
Benzyl alcohol	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Bis(2-chloroethoxy)methane	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Bis(2-chloroethyl)ether	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Bis(2-chloroisopropyl)ether	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Bis(2-ethylhexyl)phthalate	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Butyl benzyl phthalate	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Carbazole	ND		0.192	µg/L	1	5/2/2024 05:16 PM
Chrysene	ND		0.192	µg/L	1	5/2/2024 05:16 PM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: Former Harshaw Chemical; MS24-26; ODAS0003-53

Work Order: 24041466

Sample ID: MW-12

Lab ID: 24041466-03

Collection Date: 4/25/2024 11:50 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	ND		0.192	µg/L	1	5/2/2024 05:16 PM
Dibenzofuran	ND		0.192	µg/L	1	5/2/2024 05:16 PM
Diethyl phthalate	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Dimethyl phthalate	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Di-n-butyl phthalate	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Di-n-octyl phthalate	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Dinoseb	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Diphenylamine	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Ethyl methanesulfonate	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Fluoranthene	ND		0.192	µg/L	1	5/2/2024 05:16 PM
Fluorene	ND		0.192	µg/L	1	5/2/2024 05:16 PM
Hexachlorobenzene	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Hexachlorobutadiene	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Hexachlorocyclopentadiene	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Hexachloroethane	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Indeno(1,2,3-cd)pyrene	ND		0.192	µg/L	1	5/2/2024 05:16 PM
Isophorone	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Isosafrole	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Methapyrilene	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Methyl methanesulfonate	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Naphthalene	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Nitrobenzene	ND		9.62	µg/L	1	5/2/2024 05:16 PM
N-Nitrosodiethylamine	ND		9.62	µg/L	1	5/2/2024 05:16 PM
N-Nitrosodimethylamine	ND		9.62	µg/L	1	5/2/2024 05:16 PM
N-Nitroso-di-n-butylamine	ND		9.62	µg/L	1	5/2/2024 05:16 PM
N-Nitrosodi-n-propylamine	ND		9.62	µg/L	1	5/2/2024 05:16 PM
N-Nitrosomethylethylamine	ND		9.62	µg/L	1	5/2/2024 05:16 PM
N-Nitrosomorpholine	ND		9.62	µg/L	1	5/2/2024 05:16 PM
N-Nitrosopiperidine	ND		9.62	µg/L	1	5/2/2024 05:16 PM
N-Nitrosopyrrolidine	ND		9.62	µg/L	1	5/2/2024 05:16 PM
o-Toluidine	ND		9.62	µg/L	1	5/2/2024 05:16 PM
p-Dimethylaminoazobenzene	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Pentachlorobenzene	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Pentachloroethane	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Pentachloronitrobenzene	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Pentachlorophenol	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Phenacetin	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Phenanthrene	ND		0.192	µg/L	1	5/2/2024 05:16 PM
Phenol	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Pyrene	ND		0.192	µg/L	1	5/2/2024 05:16 PM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: Former Harshaw Chemical; MS24-26; ODAS0003-53

Work Order: 24041466

Sample ID: MW-12

Lab ID: 24041466-03

Collection Date: 4/25/2024 11:50 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Pyridine	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Safrole	ND		9.62	µg/L	1	5/2/2024 05:16 PM
Surr: 2,4,6-Tribromophenol	44.6		37.6-101	%REC	1	5/2/2024 05:16 PM
Surr: 2-Fluorobiphenyl	47.5		31.5-129	%REC	1	5/2/2024 05:16 PM
Surr: 2-Fluorophenol	33.3		12-89	%REC	1	5/2/2024 05:16 PM
Surr: 4-Terphenyl-d14	50.4		38.3-160	%REC	1	5/2/2024 05:16 PM
Surr: Nitrobenzene-d5	45.4		28-120	%REC	1	5/2/2024 05:16 PM
Surr: Phenol-d6	21.9		4.27-70.1	%REC	1	5/2/2024 05:16 PM

VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: TJH

1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	5/3/2024 02:49 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	5/3/2024 02:49 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	5/3/2024 02:49 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	5/3/2024 02:49 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	5/3/2024 02:49 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	5/3/2024 02:49 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	5/3/2024 02:49 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	5/3/2024 02:49 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	5/3/2024 02:49 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	5/3/2024 02:49 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	5/3/2024 02:49 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	5/3/2024 02:49 PM
2-Butanone	ND		50	µg/L	1	5/3/2024 02:49 PM
2-Chlorotoluene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
2-Hexanone	ND		5.0	µg/L	1	5/3/2024 02:49 PM
4-Chlorotoluene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Acetone	ND		50	µg/L	1	5/3/2024 02:49 PM
Benzene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Bromobenzene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Bromochloromethane	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Bromodichloromethane	ND		5.0	µg/L	1	5/3/2024 02:49 PM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: Former Harshaw Chemical; MS24-26; ODAS0003-53

Work Order: 24041466

Sample ID: MW-12

Lab ID: 24041466-03

Collection Date: 4/25/2024 11:50 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Bromomethane	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Carbon disulfide	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Carbon tetrachloride	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Chlorobenzene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Chloroethane	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Chloroform	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Chloromethane	ND		5.0	µg/L	1	5/3/2024 02:49 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Dibromochloromethane	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Dibromomethane	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Ethylbenzene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Isopropylbenzene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
m,p-Xylene	ND		10	µg/L	1	5/3/2024 02:49 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Methylene chloride	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Naphthalene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
n-Butylbenzene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
n-Propylbenzene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
o-Xylene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
sec-Butylbenzene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Styrene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
tert-Butylbenzene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Tetrachloroethene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Toluene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Trichloroethene	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	5/3/2024 02:49 PM
Vinyl chloride	ND		2.0	µg/L	1	5/3/2024 02:49 PM
Xylenes, Total	ND		15	µg/L	1	5/3/2024 02:49 PM
Surr: 4-Bromofluorobenzene	104		61-131	%REC	1	5/3/2024 02:49 PM
Surr: Dibromofluoromethane	104		72-137	%REC	1	5/3/2024 02:49 PM
Surr: Toluene-d8	102		93.7-124	%REC	1	5/3/2024 02:49 PM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: Former Harshaw Chemical; MS24-26; ODAS0003-53

Work Order: 24041466

Sample ID: MW-16

Lab ID: 24041466-04

Collection Date: 4/25/2024 12:15 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			SW6020A		Analyst: ALSHN	
Antimony	ND		5.0	µg/L	1	5/9/2024 04:53 PM
Arsenic	ND		5.0	µg/L	1	5/9/2024 04:53 PM
Barium	36		5.0	µg/L	1	5/9/2024 04:53 PM
Beryllium	ND		2.0	µg/L	1	5/9/2024 04:53 PM
Cadmium	ND		2.0	µg/L	1	5/9/2024 04:53 PM
Chromium	ND		5.0	µg/L	1	5/9/2024 04:53 PM
Cobalt	ND		5.0	µg/L	1	5/9/2024 04:53 PM
Lead	ND		5.0	µg/L	1	5/9/2024 04:53 PM
Nickel	ND		5.0	µg/L	1	5/9/2024 04:53 PM
Selenium	ND		5.0	µg/L	1	5/9/2024 04:53 PM
Silver	ND		5.0	µg/L	1	5/9/2024 04:53 PM
Thallium	ND		2.0	µg/L	1	5/9/2024 04:53 PM
Vanadium	ND		5.0	µg/L	1	5/9/2024 04:53 PM
Zinc	ND		10	µg/L	1	5/9/2024 04:53 PM
MERCURY BY CVAA			SW7470A		Analyst: ALSHN	
Mercury	ND		0.20	µg/L	1	5/2/2024 07:46 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270C		Prep: SW3510C 5/1/24 14:32 Analyst: DTL	
1,2,4,5-Tetrachlorobenzene	ND		10.0	µg/L	1	5/2/2024 05:36 PM
1,2,4-Trichlorobenzene	ND		10.0	µg/L	1	5/2/2024 05:36 PM
1,2-Dichlorobenzene	ND		10.0	µg/L	1	5/2/2024 05:36 PM
1,3-Dichlorobenzene	ND		10.0	µg/L	1	5/2/2024 05:36 PM
1,3-Dinitrobenzene	ND		10.0	µg/L	1	5/2/2024 05:36 PM
1,4-Dichlorobenzene	ND		10.0	µg/L	1	5/2/2024 05:36 PM
1-Methylnaphthalene	15.5		0.200	µg/L	1	5/2/2024 05:36 PM
1-Naphthylamine	ND		10.0	µg/L	1	5/2/2024 05:36 PM
2,3,4,6-Tetrachlorophenol	ND		10.0	µg/L	1	5/2/2024 05:36 PM
2,4,5-Trichlorophenol	ND		10.0	µg/L	1	5/2/2024 05:36 PM
2,4,6-Trichlorophenol	ND		10.0	µg/L	1	5/2/2024 05:36 PM
2,4-Dichlorophenol	ND		10.0	µg/L	1	5/2/2024 05:36 PM
2,4-Dimethylphenol	ND		10.0	µg/L	1	5/2/2024 05:36 PM
2,4-Dinitrophenol	ND		10.0	µg/L	1	5/2/2024 05:36 PM
2,4-Dinitrotoluene	ND		10.0	µg/L	1	5/2/2024 05:36 PM
2,6-Dichlorophenol	ND		10.0	µg/L	1	5/2/2024 05:36 PM
2,6-Dinitrotoluene	ND		10.0	µg/L	1	5/2/2024 05:36 PM
2-Acetylaminofluorene	ND		10.0	µg/L	1	5/2/2024 05:36 PM
2-Chloronaphthalene	ND		10.0	µg/L	1	5/2/2024 05:36 PM
2-Chlorophenol	ND		10.0	µg/L	1	5/2/2024 05:36 PM
2-Methylnaphthalene	16.8		0.200	µg/L	1	5/2/2024 05:36 PM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: Former Harshaw Chemical; MS24-26; ODAS0003-53

Work Order: 24041466

Sample ID: MW-16

Lab ID: 24041466-04

Collection Date: 4/25/2024 12:15 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Methylphenol	ND		10.0	µg/L	1	5/2/2024 05:36 PM
2-Naphthylamine	ND		10.0	µg/L	1	5/2/2024 05:36 PM
2-Nitroaniline	ND		10.0	µg/L	1	5/2/2024 05:36 PM
2-Nitrophenol	ND		10.0	µg/L	1	5/2/2024 05:36 PM
2-Picoline	ND		10.0	µg/L	1	5/2/2024 05:36 PM
3&4-Methylphenol	ND		10.0	µg/L	1	5/2/2024 05:36 PM
3,3'-Dichlorobenzidine	ND		10.0	µg/L	1	5/2/2024 05:36 PM
3-Methylcholanthrene	ND		10.0	µg/L	1	5/2/2024 05:36 PM
3-Nitroaniline	ND		10.0	µg/L	1	5/2/2024 05:36 PM
4,6-Dinitro-2-methylphenol	ND		10.0	µg/L	1	5/2/2024 05:36 PM
4-Aminobiphenyl	ND		10.0	µg/L	1	5/2/2024 05:36 PM
4-Bromophenyl phenyl ether	ND		10.0	µg/L	1	5/2/2024 05:36 PM
4-Chloro-3-methylphenol	ND		10.0	µg/L	1	5/2/2024 05:36 PM
4-Chloroaniline	ND		10.0	µg/L	1	5/2/2024 05:36 PM
4-Chlorophenyl phenyl ether	ND		10.0	µg/L	1	5/2/2024 05:36 PM
4-Nitroaniline	ND		10.0	µg/L	1	5/2/2024 05:36 PM
4-Nitrophenol	ND		10.0	µg/L	1	5/2/2024 05:36 PM
4-Nitroquinoline 1-oxide	ND		10.0	µg/L	1	5/2/2024 05:36 PM
5-Nitro-o-toluidine	ND		10.0	µg/L	1	5/2/2024 05:36 PM
7,12-Dimethylbenz(a)anthracene	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Acenaphthene	1.38		0.200	µg/L	1	5/2/2024 05:36 PM
Acenaphthylene	ND		0.200	µg/L	1	5/2/2024 05:36 PM
Acetophenone	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Aniline	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Anthracene	0.256		0.200	µg/L	1	5/2/2024 05:36 PM
Azobenzene	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Benzidine	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Benzo(a)anthracene	ND		0.200	µg/L	1	5/2/2024 05:36 PM
Benzo(a)pyrene	ND		0.200	µg/L	1	5/2/2024 05:36 PM
Benzo(b)fluoranthene	ND		0.200	µg/L	1	5/2/2024 05:36 PM
Benzo(g,h,i)perylene	ND		0.200	µg/L	1	5/2/2024 05:36 PM
Benzo(k)fluoranthene	ND		0.200	µg/L	1	5/2/2024 05:36 PM
Benzyl alcohol	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Bis(2-chloroethoxy)methane	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Bis(2-chloroethyl)ether	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Bis(2-chloroisopropyl)ether	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Bis(2-ethylhexyl)phthalate	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Butyl benzyl phthalate	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Carbazole	ND		0.200	µg/L	1	5/2/2024 05:36 PM
Chrysene	ND		0.200	µg/L	1	5/2/2024 05:36 PM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: Former Harshaw Chemical; MS24-26; ODAS0003-53

Work Order: 24041466

Sample ID: MW-16

Lab ID: 24041466-04

Collection Date: 4/25/2024 12:15 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	ND		0.200	µg/L	1	5/2/2024 05:36 PM
Dibenzofuran	0.464		0.200	µg/L	1	5/2/2024 05:36 PM
Diethyl phthalate	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Dimethyl phthalate	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Di-n-butyl phthalate	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Di-n-octyl phthalate	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Dinoseb	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Diphenylamine	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Ethyl methanesulfonate	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Fluoranthene	ND		0.200	µg/L	1	5/2/2024 05:36 PM
Fluorene	1.81		0.200	µg/L	1	5/2/2024 05:36 PM
Hexachlorobenzene	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Hexachlorobutadiene	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Hexachlorocyclopentadiene	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Hexachloroethane	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Indeno(1,2,3-cd)pyrene	ND		0.200	µg/L	1	5/2/2024 05:36 PM
Isophorone	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Isosafrole	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Methapyrilene	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Methyl methanesulfonate	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Naphthalene	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Nitrobenzene	ND		10.0	µg/L	1	5/2/2024 05:36 PM
N-Nitrosodiethylamine	ND		10.0	µg/L	1	5/2/2024 05:36 PM
N-Nitrosodimethylamine	ND		10.0	µg/L	1	5/2/2024 05:36 PM
N-Nitroso-di-n-butylamine	ND		10.0	µg/L	1	5/2/2024 05:36 PM
N-Nitrosodi-n-propylamine	ND		10.0	µg/L	1	5/2/2024 05:36 PM
N-Nitrosomethylethylamine	ND		10.0	µg/L	1	5/2/2024 05:36 PM
N-Nitrosomorpholine	ND		10.0	µg/L	1	5/2/2024 05:36 PM
N-Nitrosopiperidine	ND		10.0	µg/L	1	5/2/2024 05:36 PM
N-Nitrosopyrrolidine	ND		10.0	µg/L	1	5/2/2024 05:36 PM
o-Toluidine	ND		10.0	µg/L	1	5/2/2024 05:36 PM
p-Dimethylaminoazobenzene	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Pentachlorobenzene	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Pentachloroethane	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Pentachloronitrobenzene	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Pentachlorophenol	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Phenacetin	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Phenanthrene	1.24		0.200	µg/L	1	5/2/2024 05:36 PM
Phenol	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Pyrene	0.216		0.200	µg/L	1	5/2/2024 05:36 PM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: Former Harshaw Chemical; MS24-26; ODAS0003-53

Work Order: 24041466

Sample ID: MW-16

Lab ID: 24041466-04

Collection Date: 4/25/2024 12:15 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Pyridine	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Safrole	ND		10.0	µg/L	1	5/2/2024 05:36 PM
Surr: 2,4,6-Tribromophenol	69.6		37.6-101	%REC	1	5/2/2024 05:36 PM
Surr: 2-Fluorobiphenyl	60.0		31.5-129	%REC	1	5/2/2024 05:36 PM
Surr: 2-Fluorophenol	41.5		12-89	%REC	1	5/2/2024 05:36 PM
Surr: 4-Terphenyl-d14	52.1		38.3-160	%REC	1	5/2/2024 05:36 PM
Surr: Nitrobenzene-d5	58.7		28-120	%REC	1	5/2/2024 05:36 PM
Surr: Phenol-d6	27.2		4.27-70.1	%REC	1	5/2/2024 05:36 PM

VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: TJH

1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	5/3/2024 03:09 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	5/3/2024 03:09 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	5/3/2024 03:09 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	5/3/2024 03:09 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	5/3/2024 03:09 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	5/3/2024 03:09 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	5/3/2024 03:09 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	5/3/2024 03:09 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	5/3/2024 03:09 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	5/3/2024 03:09 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	5/3/2024 03:09 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	5/3/2024 03:09 PM
2-Butanone	ND		50	µg/L	1	5/3/2024 03:09 PM
2-Chlorotoluene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
2-Hexanone	ND		5.0	µg/L	1	5/3/2024 03:09 PM
4-Chlorotoluene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Acetone	ND		50	µg/L	1	5/3/2024 03:09 PM
Benzene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Bromobenzene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Bromochloromethane	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Bromodichloromethane	ND		5.0	µg/L	1	5/3/2024 03:09 PM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: Former Harshaw Chemical; MS24-26; ODAS0003-53

Work Order: 24041466

Sample ID: MW-16

Lab ID: 24041466-04

Collection Date: 4/25/2024 12:15 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Bromomethane	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Carbon disulfide	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Carbon tetrachloride	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Chlorobenzene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Chloroethane	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Chloroform	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Chloromethane	ND		5.0	µg/L	1	5/3/2024 03:09 PM
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Dibromochloromethane	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Dibromomethane	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Ethylbenzene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Isopropylbenzene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
m,p-Xylene	ND		10	µg/L	1	5/3/2024 03:09 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Methylene chloride	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Naphthalene	14		5.0	µg/L	1	5/3/2024 03:09 PM
n-Butylbenzene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
n-Propylbenzene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
o-Xylene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
sec-Butylbenzene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Styrene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
tert-Butylbenzene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Tetrachloroethene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Toluene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Trichloroethene	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	5/3/2024 03:09 PM
Vinyl chloride	ND		2.0	µg/L	1	5/3/2024 03:09 PM
Xylenes, Total	ND		15	µg/L	1	5/3/2024 03:09 PM
Surr: 4-Bromofluorobenzene	96.6		61-131	%REC	1	5/3/2024 03:09 PM
Surr: Dibromofluoromethane	118		72-137	%REC	1	5/3/2024 03:09 PM
Surr: Toluene-d8	104		93.7-124	%REC	1	5/3/2024 03:09 PM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: Former Harshaw Chemical; MS24-26; ODAS0003-53

Work Order: 24041466

Sample ID: Trip Blank

Lab ID: 24041466-05

Collection Date: 4/25/2024

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			SW8260B		Analyst: TJH	
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	5/3/2024 12:24 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	5/3/2024 12:24 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	5/3/2024 12:24 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	5/3/2024 12:24 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	5/3/2024 12:24 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	5/3/2024 12:24 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	5/3/2024 12:24 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	5/3/2024 12:24 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	5/3/2024 12:24 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	5/3/2024 12:24 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	5/3/2024 12:24 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	5/3/2024 12:24 PM
2-Butanone	ND		50	µg/L	1	5/3/2024 12:24 PM
2-Chlorotoluene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
2-Hexanone	ND		5.0	µg/L	1	5/3/2024 12:24 PM
4-Chlorotoluene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Acetone	ND		50	µg/L	1	5/3/2024 12:24 PM
Benzene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Bromobenzene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Bromochloromethane	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Bromodichloromethane	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Bromoform	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Bromomethane	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Carbon disulfide	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Carbon tetrachloride	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Chlorobenzene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Chloroethane	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Chloroform	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Chloromethane	ND		5.0	µg/L	1	5/3/2024 12:24 PM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: Former Harshaw Chemical; MS24-26; ODAS0003-53

Work Order: 24041466

Sample ID: Trip Blank

Lab ID: 24041466-05

Collection Date: 4/25/2024

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Dibromochloromethane	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Dibromomethane	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Ethylbenzene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Isopropylbenzene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
m,p-Xylene	ND		10	µg/L	1	5/3/2024 12:24 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Methylene chloride	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Naphthalene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
n-Butylbenzene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
n-Propylbenzene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
o-Xylene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
sec-Butylbenzene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Styrene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
tert-Butylbenzene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Tetrachloroethene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Toluene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Trichloroethene	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	5/3/2024 12:24 PM
Vinyl chloride	ND		2.0	µg/L	1	5/3/2024 12:24 PM
Xylenes, Total	ND		15	µg/L	1	5/3/2024 12:24 PM
Surr: 4-Bromofluorobenzene	109		61-131	%REC	1	5/3/2024 12:24 PM
Surr: Dibromofluoromethane	102		72-137	%REC	1	5/3/2024 12:24 PM
Surr: Toluene-d8	101		93.7-124	%REC	1	5/3/2024 12:24 PM

Note:

Client: The Mannik & Smith Group

QC BATCH REPORT

Work Order: 24041466

Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

Batch ID: **HN2212065** Instrument ID **SUB** Method: **SW7470A**

MBLK		Sample ID: QC-1425468-001-HN2212065				Units: mg/L		Analysis Date: 5/2/2024 02:10 PM		
Client ID:		Run ID: SUB_240513B				SeqNo: 3387732		Prep Date: 5/2/2024		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.00020								

MBLK		Sample ID: QC-1425468-001-HN2212065				Units: mg/L		Analysis Date: 5/2/2024 02:10 PM		
Client ID:		Run ID: SUB_240513C				SeqNo: 3387754		Prep Date: 5/2/2024		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: QC-1425468-002-HN2212065				Units: mg/L		Analysis Date: 5/2/2024 07:39 PM		
Client ID:		Run ID: SUB_240513B				SeqNo: 3387733		Prep Date: 5/2/2024		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.0022	0.00020	0.002		0	110	80-120	0		

LCS		Sample ID: QC-1425468-002-HN2212065				Units: mg/L		Analysis Date: 5/2/2024 07:39 PM		
Client ID:		Run ID: SUB_240513C				SeqNo: 3387755		Prep Date: 5/2/2024		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.0022	0.00020	0.002		0	110	80-120	0		

MS		Sample ID: 24041466-03CMS				Units: mg/L		Analysis Date: 5/2/2024 07:43 PM		
Client ID: MW-12		Run ID: SUB_240513B				SeqNo: 3387735		Prep Date: 5/2/2024		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00226	0.00020	0.002		0	113	75-125	0		

MSD		Sample ID: 24041466-03CMSD				Units: mg/L		Analysis Date: 5/2/2024 07:45 PM		
Client ID: MW-12		Run ID: SUB_240513B				SeqNo: 3387736		Prep Date: 5/2/2024		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00224	0.00020	0.002		0	112	75-125	0.00226	0.889	20

The following samples were analyzed in this batch: 24041466-03C 24041466-04C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
 Work Order: 24041466
 Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

QC BATCH REPORT

Batch ID: **HN2227211** Instrument ID **SUB** Method: **SW6020A**

MBLK		Sample ID: QC-1431078-001-HN2227211				Units: mg/L		Analysis Date: 5/9/2024 04:45 PM			
Client ID:		Run ID: SUB_240513B				SeqNo: 3387738		Prep Date: 5/8/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Antimony	ND	0.0050									
Arsenic	ND	0.0050									
Barium	ND	0.0050									
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Chromium	ND	0.0050									
Cobalt	ND	0.0050									
Lead	ND	0.0050									
Nickel	ND	0.0050									
Selenium	ND	0.0050									
Silver	ND	0.0050									
Thallium	ND	0.0050									
Vanadium	ND	0.0050									
Zinc	ND	0.010									

MBLK		Sample ID: QC-1431078-001-HN2227211				Units: mg/L		Analysis Date: 5/9/2024 04:45 PM			
Client ID:		Run ID: SUB_240513C				SeqNo: 3387757		Prep Date: 5/8/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Aluminum	ND	0.010									
Antimony	ND	0.0050									
Arsenic	ND	0.0050									
Barium	ND	0.0050									
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Calcium	ND	0.50									
Chromium	ND	0.0050									
Cobalt	ND	0.0050									
Copper	ND	0.0050									
Iron	ND	0.080									
Lead	ND	0.0050									
Magnesium	ND	0.20									
Manganese	ND	0.0050									
Nickel	ND	0.0050									
Potassium	ND	0.20									
Selenium	ND	0.0050									
Silver	ND	0.0050									
Sodium	ND	0.20									
Thallium	ND	0.0050									
Vanadium	ND	0.0050									
Zinc	ND	0.010									

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
 Work Order: 24041466
 Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

QC BATCH REPORT

Batch ID: **HN2227211** Instrument ID **SUB** Method: **SW6020A**

MBLK		Sample ID: QC-1431078-001-HN2227211				Units: mg/L		Analysis Date: 5/9/2024 04:45 PM		
Client ID:		Run ID: SUB_240513D			SeqNo: 3387765		Prep Date: 5/8/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	0.010								
Antimony	ND	0.0050								
Arsenic	ND	0.0050								
Barium	ND	0.0050								
Beryllium	ND	0.0020								
Cadmium	ND	0.0020								
Calcium	ND	0.50								
Chromium	ND	0.0050								
Cobalt	ND	0.0050								
Copper	ND	0.0050								
Iron	ND	0.080								
Lead	ND	0.0050								
Magnesium	ND	0.20								
Manganese	ND	0.0050								
Nickel	ND	0.0050								
Potassium	ND	0.20								
Selenium	ND	0.0050								
Silver	ND	0.0050								
Sodium	ND	0.20								
Thallium	ND	0.0050								
Vanadium	ND	0.0050								
Zinc	ND	0.010								

LCS		Sample ID: QC-1431078-002-HN2227211				Units: mg/L		Analysis Date: 5/9/2024 04:46 PM		
Client ID:		Run ID: SUB_240513B			SeqNo: 3387739		Prep Date: 5/8/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	0.101	0.0050	0.1	0	101	80-120	0			
Arsenic	0.0964	0.0050	0.1	0	96.4	80-120	0			
Barium	0.0996	0.0050	0.1	0	99.6	80-120	0			
Beryllium	0.0959	0.0020	0.1	0	95.9	80-120	0			
Cadmium	0.101	0.0020	0.1	0	101	80-120	0			
Chromium	0.0976	0.0050	0.1	0	97.6	80-120	0			
Cobalt	0.0982	0.0050	0.1	0	98.2	80-120	0			
Lead	0.102	0.0050	0.1	0	102	80-120	0			
Nickel	0.0983	0.0050	0.1	0	98.3	80-120	0			
Selenium	0.0931	0.0050	0.1	0	93.1	80-120	0			
Silver	0.102	0.0050	0.1	0	102	80-120	0			
Thallium	0.0936	0.0050	0.1	0	93.6	80-120	0			
Vanadium	0.1	0.0050	0.1	0	100	80-120	0			
Zinc	0.102	0.010	0.1	0	102	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
Work Order: 24041466
Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

QC BATCH REPORT

Batch ID: **HN2227211** Instrument ID **SUB** Method: **SW6020A**

LCS		Sample ID: QC-1431078-002-HN2227211				Units: mg/L		Analysis Date: 5/9/2024 04:46 PM		
Client ID:		Run ID: SUB_240513C			SeqNo: 3387758		Prep Date: 5/8/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.104	0.010	0.1	0	104	80-120	0			
Antimony	0.101	0.0050	0.1	0	101	80-120	0			
Arsenic	0.0964	0.0050	0.1	0	96.4	80-120	0			
Barium	0.0996	0.0050	0.1	0	99.6	80-120	0			
Beryllium	0.0959	0.0020	0.1	0	95.9	80-120	0			
Cadmium	0.101	0.0020	0.1	0	101	80-120	0			
Calcium	9.96	0.50	10	0	99.6	80-120	0			
Chromium	0.0976	0.0050	0.1	0	97.6	80-120	0			
Cobalt	0.0982	0.0050	0.1	0	98.2	80-120	0			
Copper	0.0994	0.0050	0.1	0	99.4	80-120	0			
Iron	9.72	0.080	10	0	97.2	80-120	0			
Lead	0.102	0.0050	0.1	0	102	80-120	0			
Magnesium	10.3	0.20	10	0	103	80-120	0			
Manganese	0.0996	0.0050	0.1	0	99.6	80-120	0			
Nickel	0.0983	0.0050	0.1	0	98.3	80-120	0			
Potassium	10	0.20	10	0	100	80-120	0			
Selenium	0.0931	0.0050	0.1	0	93.1	80-120	0			
Silver	0.102	0.0050	0.1	0	102	80-120	0			
Sodium	10.1	0.20	10	0	101	80-120	0			
Thallium	0.0936	0.0050	0.1	0	93.6	80-120	0			
Vanadium	0.1	0.0050	0.1	0	100	80-120	0			
Zinc	0.102	0.010	0.1	0	102	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
 Work Order: 24041466
 Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

QC BATCH REPORT

Batch ID: **HN2227211** Instrument ID **SUB** Method: **SW6020A**

LCS		Sample ID: QC-1431078-002-HN2227211				Units: mg/L		Analysis Date: 5/9/2024 04:46 PM		
Client ID:		Run ID: SUB_240513D			SeqNo: 3387766		Prep Date: 5/8/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.104	0.010	0.1	0	104	80-120	0			
Antimony	0.101	0.0050	0.1	0	101	80-120	0			
Arsenic	0.0964	0.0050	0.1	0	96.4	80-120	0			
Barium	0.0996	0.0050	0.1	0	99.6	80-120	0			
Beryllium	0.0959	0.0020	0.1	0	95.9	80-120	0			
Cadmium	0.101	0.0020	0.1	0	101	80-120	0			
Calcium	9.96	0.50	10	0	99.6	80-120	0			
Chromium	0.0976	0.0050	0.1	0	97.6	80-120	0			
Cobalt	0.0982	0.0050	0.1	0	98.2	80-120	0			
Copper	0.0994	0.0050	0.1	0	99.4	80-120	0			
Iron	9.72	0.080	10	0	97.2	80-120	0			
Lead	0.102	0.0050	0.1	0	102	80-120	0			
Magnesium	10.3	0.20	10	0	103	80-120	0			
Manganese	0.0996	0.0050	0.1	0	99.6	80-120	0			
Nickel	0.0983	0.0050	0.1	0	98.3	80-120	0			
Potassium	10	0.20	10	0	100	80-120	0			
Selenium	0.0931	0.0050	0.1	0	93.1	80-120	0			
Silver	0.102	0.0050	0.1	0	102	80-120	0			
Sodium	10.1	0.20	10	0	101	80-120	0			
Thallium	0.0936	0.0050	0.1	0	93.6	80-120	0			
Vanadium	0.1	0.0050	0.1	0	100	80-120	0			
Zinc	0.102	0.010	0.1	0	102	80-120	0			

The following samples were analyzed in this batch:

24041466-03C	24041466-04C
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
Work Order: 24041466
Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

QC BATCH REPORT

Batch ID: **98519** Instrument ID **SVMS4** Method: **SW8270C**

MBLK		Sample ID: MBLK-98519-98519			Units: mg/L		Analysis Date: 5/2/2024 03:37 PM			
Client ID:		Run ID: SVMS4_240502A			SeqNo: 3379257		Prep Date: 5/1/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,4-Dichlorobenzene	ND	0.010								
2,4,5-Trichlorophenol	ND	0.010								
2,4,6-Trichlorophenol	ND	0.010								
2,4-Dinitrotoluene	ND	0.010								
2-Methylphenol	ND	0.010								
3&4-Methylphenol	ND	0.010								
Hexachlorobenzene	ND	0.010								
Hexachlorobutadiene	ND	0.010								
Hexachloroethane	ND	0.010								
Nitrobenzene	ND	0.010								
Pentachlorophenol	ND	0.010								
Pyridine	ND	0.010								
<i>Surr: 2,4,6-Tribromophenol</i>	<i>0.0535</i>	<i>0</i>	<i>0.08</i>	<i>0</i>	<i>66.9</i>	<i>31.2-113</i>	<i>0</i>			
<i>Surr: 2-Fluorobiphenyl</i>	<i>0.02679</i>	<i>0</i>	<i>0.04</i>	<i>0</i>	<i>67</i>	<i>13.4-123</i>	<i>0</i>			
<i>Surr: 2-Fluorophenol</i>	<i>0.03662</i>	<i>0</i>	<i>0.08</i>	<i>0</i>	<i>45.8</i>	<i>12-89</i>	<i>0</i>			
<i>Surr: 4-Terphenyl-d14</i>	<i>0.02615</i>	<i>0</i>	<i>0.04</i>	<i>0</i>	<i>65.4</i>	<i>24.8-122</i>	<i>0</i>			
<i>Surr: Nitrobenzene-d5</i>	<i>0.02828</i>	<i>0</i>	<i>0.04</i>	<i>0</i>	<i>70.7</i>	<i>28-120</i>	<i>0</i>			
<i>Surr: Phenol-d6</i>	<i>0.02518</i>	<i>0</i>	<i>0.08</i>	<i>0</i>	<i>31.5</i>	<i>4.27-70.1</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
Work Order: 24041466
Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

QC BATCH REPORT

Batch ID: **98519** Instrument ID **SVMS4** Method: **SW8270C**

MBLK		Sample ID: MBLK-98519-98519			Units: µg/L		Analysis Date: 5/2/2024 03:37 PM			
Client ID:		Run ID: SVMS4_240502A			SeqNo: 3380027		Prep Date: 5/1/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4,5-Tetrachlorobenzene	ND	10								
1,2,4-Trichlorobenzene	ND	10								
1,2-Dichlorobenzene	ND	10								
1,3-Dichlorobenzene	ND	10								
1,3-Dinitrobenzene	ND	10								
1,4-Dichlorobenzene	ND	10								
1-Methylnaphthalene	ND	0.20								
1-Naphthylamine	ND	10								
2,3,4,6-Tetrachlorophenol	ND	10								
2,4,5-Trichlorophenol	ND	10								
2,4,6-Trichlorophenol	ND	10								
2,4-Dichlorophenol	ND	10								
2,4-Dimethylphenol	ND	10								
2,4-Dinitrophenol	ND	10								
2,4-Dinitrotoluene	ND	10								
2,6-Dichlorophenol	ND	10								
2,6-Dinitrotoluene	ND	10								
2-Acetylaminofluorene	ND	10								
2-Chloronaphthalene	ND	10								
2-Chlorophenol	ND	10								
2-Methylnaphthalene	ND	0.20								
2-Methylphenol	ND	10								
2-Naphthylamine	ND	10								
2-Nitroaniline	ND	10								
2-Nitrophenol	ND	10								
2-Picoline	ND	10								
3&4-Methylphenol	ND	10								
3,3'-Dichlorobenzidine	ND	10								
3-Methylcholanthrene	ND	10								
3-Nitroaniline	ND	10								
4,6-Dinitro-2-methylphenol	ND	10								
4-Aminobiphenyl	ND	10								
4-Bromophenyl phenyl ether	ND	10								
4-Chloro-3-methylphenol	ND	10								
4-Chloroaniline	ND	10								
4-Chlorophenyl phenyl ether	ND	10								
4-Nitroaniline	ND	10								
4-Nitrophenol	ND	10								
4-Nitroquinoline 1-oxide	ND	10								
5-Nitro-o-toluidine	ND	10								
7,12-Dimethylbenz(a)anthracene	ND	10								
Acenaphthene	ND	0.20								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
Work Order: 24041466
Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

QC BATCH REPORT

Batch ID: 98519	Instrument ID SVMS4	Method: SW8270C
Acenaphthylene	ND	0.20
Acetophenone	ND	10
Aniline	ND	10
Anthracene	ND	0.20
Azobenzene	ND	10
Benzidine	ND	10
Benzo(a)anthracene	ND	0.20
Benzo(a)pyrene	ND	0.20
Benzo(b)fluoranthene	ND	0.20
Benzo(g,h,i)perylene	ND	0.20
Benzo(k)fluoranthene	ND	0.20
Benzyl alcohol	ND	10
Bis(2-chloroethoxy)methane	ND	10
Bis(2-chloroethyl)ether	ND	10
Bis(2-chloroisopropyl)ether	ND	10
Bis(2-ethylhexyl)phthalate	ND	10
Butyl benzyl phthalate	ND	10
Carbazole	ND	0.20
Chrysene	ND	0.20
Dibenzo(a,h)anthracene	ND	0.20
Dibenzofuran	ND	0.20
Diethyl phthalate	ND	10
Dimethyl phthalate	ND	10
Di-n-butyl phthalate	ND	10
Di-n-octyl phthalate	ND	10
Dinoseb	ND	10
Diphenylamine	ND	10
Ethyl methanesulfonate	ND	10
Fluoranthene	ND	0.20
Fluorene	ND	0.20
Hexachlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Hexachlorocyclopentadiene	ND	10
Hexachloroethane	ND	10
Indeno(1,2,3-cd)pyrene	ND	0.20
Isophorone	ND	10
Isosafrole	ND	10
Methapyrilene	ND	10
Methyl methanesulfonate	ND	10
Naphthalene	ND	10
Nitrobenzene	ND	10
N-Nitrosodiethylamine	ND	10
N-Nitrosodimethylamine	ND	10
N-Nitroso-di-n-butylamine	ND	10
N-Nitrosodi-n-propylamine	ND	10
N-Nitrosomethylethylamine	ND	10
N-Nitrosomorpholine	ND	10
N-Nitrosopiperidine	ND	10

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
 Work Order: 24041466
 Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

QC BATCH REPORT

Batch ID: 98519	Instrument ID SVMS4	Method: SW8270C						
N-Nitrosopyrrolidine	ND	10						
o-Toluidine	ND	10						
p-Dimethylaminoazobenzene	ND	10						
Pentachlorobenzene	ND	10						
Pentachloroethane	ND	10						
Pentachloronitrobenzene	ND	10						
Pentachlorophenol	ND	10						
Phenacetin	ND	10						
Phenanthrene	ND	0.20						
Phenol	ND	10						
Pyrene	ND	0.20						
Pyridine	ND	10						
Safrole	ND	10						
<i>Surr: 2,4,6-Tribromophenol</i>	53.5	0	80	0	66.9	37.6-101	0	
<i>Surr: 2-Fluorobiphenyl</i>	26.79	0	40	0	67	31.5-129	0	
<i>Surr: 2-Fluorophenol</i>	36.62	0	80	0	45.8	12-89	0	
<i>Surr: 4-Terphenyl-d14</i>	26.15	0	40	0	65.4	38.3-160	0	
<i>Surr: Nitrobenzene-d5</i>	28.28	0	40	0	70.7	28-120	0	
<i>Surr: Phenol-d6</i>	25.18	0	80	0	31.5	4.27-70.1	0	

LCS		Sample ID: LCS-98519-98519			Units: mg/L		Analysis Date: 5/2/2024 03:57 PM			
Client ID:		Run ID: SVMS4_240502A			SeqNo: 3379258		Prep Date: 5/1/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,4-Dichlorobenzene	0.02053	0.010	0.04	0	51.3	20.5-96.7	0			
2,4,5-Trichlorophenol	0.03231	0.010	0.04	0	80.8	43-123	0			
2,4,6-Trichlorophenol	0.03018	0.010	0.04	0	75.4	37-118	0			
2,4-Dinitrotoluene	0.02902	0.010	0.04	0	72.6	54.7-146	0			
2-Methylphenol	0.02834	0.010	0.04	0	70.8	41-107	0			
3&4-Methylphenol	0.0258	0.010	0.04	0	64.5	21-119	0			
Hexachlorobenzene	0.02864	0.010	0.04	0	71.6	29.7-108	0			
Hexachlorobutadiene	0.01917	0.010	0.04	0	47.9	28.9-96.7	0			
Hexachloroethane	0.01818	0.010	0.04	0	45.4	24-99	0			
Nitrobenzene	0.02993	0.010	0.04	0	74.8	44-109	0			
Pentachlorophenol	0.02679	0.010	0.04	0	67	47.1-129	0			
Pyridine	0.01726	0.010	0.04	0	43.2	12.7-83.9	0			
<i>Surr: 2,4,6-Tribromophenol</i>	0.05738	0	0.08	0	71.7	31.2-113	0			
<i>Surr: 2-Fluorobiphenyl</i>	0.02726	0	0.04	0	68.2	13.4-123	0			
<i>Surr: 2-Fluorophenol</i>	0.03682	0	0.08	0	46	12-89	0			
<i>Surr: 4-Terphenyl-d14</i>	0.02783	0	0.04	0	69.6	24.8-122	0			
<i>Surr: Nitrobenzene-d5</i>	0.02905	0	0.04	0	72.6	28-120	0			
<i>Surr: Phenol-d6</i>	0.02472	0	0.08	0	30.9	4.27-70.1	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
 Work Order: 24041466
 Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

QC BATCH REPORT

Batch ID: **98519** Instrument ID **SVMS4** Method: **SW8270C**

LCS		Sample ID: LCS-98519-98519				Units: µg/L		Analysis Date: 5/2/2024 03:57 PM		
Client ID:		Run ID: SVMS4_240502A		SeqNo: 3380028		Prep Date: 5/1/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	23.96	10	40	0	59.9	33.3-96.9	0			
1,4-Dichlorobenzene	20.53	10	40	0	51.3	24.6-94.5	0			
2,4-Dinitrotoluene	29.02	10	40	0	72.6	49.4-114	0			
2-Chlorophenol	30.01	10	40	0	75	53-97.3	0			
4-Chloro-3-methylphenol	29.46	10	40	0	73.6	50.6-110	0			
4-Nitrophenol	12.54	10	40	0	31.4	17.3-80.3	0			
Acenaphthene	29.57	0.20	40	0	73.9	40.1-123	0			
Acenaphthylene	31.4	0.20	40	0	78.5	41.8-117	0			
Anthracene	33.8	0.20	40	0	84.5	50.1-115	0			
Benzo(a)anthracene	35.12	0.20	40	0	87.8	43.7-117	0			
Benzo(a)pyrene	33.76	0.20	40	0	84.4	59.2-126	0			
Benzo(b)fluoranthene	35.19	0.20	40	0	88	51.8-112	0			
Benzo(g,h,i)perylene	36.94	0.20	40	0	92.4	42.3-123	0			
Benzo(k)fluoranthene	38.56	0.20	40	0	96.4	56.9-118	0			
Carbazole	36.36	0.20	40	0	90.9	49.9-163	0			
Chrysene	34.77	0.20	40	0	86.9	42.8-129	0			
Dibenzo(a,h)anthracene	33.14	0.20	40	0	82.8	47.1-168	0			
Fluoranthene	31.5	0.20	40	0	78.7	54.2-123	0			
Fluorene	31.84	0.20	40	0	79.6	43.8-116	0			
Indeno(1,2,3-cd)pyrene	32.99	0.20	40	0	82.5	56.3-141	0			
Naphthalene	23.94	10	40	0	59.8	46.6-104	0			
N-Nitrosodi-n-propylamine	19.86	10	40	0	49.6	27.1-84.2	0			
Pentachlorophenol	26.79	10	40	0	67	34.1-130	0			
Phenanthrene	30.32	0.20	40	0	75.8	50.6-116	0			
Phenol	12.8	10	40	0	32	17.5-68	0			
Pyrene	34.67	0.20	40	0	86.7	48.4-130	0			
<i>Surr: 2,4,6-Tribromophenol</i>	<i>57.38</i>	<i>0</i>	<i>80</i>	<i>0</i>	<i>71.7</i>	<i>37.6-101</i>	<i>0</i>			
<i>Surr: 2-Fluorobiphenyl</i>	<i>27.26</i>	<i>0</i>	<i>40</i>	<i>0</i>	<i>68.2</i>	<i>31.5-129</i>	<i>0</i>			
<i>Surr: 2-Fluorophenol</i>	<i>36.82</i>	<i>0</i>	<i>80</i>	<i>0</i>	<i>46</i>	<i>12-89</i>	<i>0</i>			
<i>Surr: 4-Terphenyl-d14</i>	<i>27.83</i>	<i>0</i>	<i>40</i>	<i>0</i>	<i>69.6</i>	<i>38.3-160</i>	<i>0</i>			
<i>Surr: Nitrobenzene-d5</i>	<i>29.05</i>	<i>0</i>	<i>40</i>	<i>0</i>	<i>72.6</i>	<i>28-120</i>	<i>0</i>			
<i>Surr: Phenol-d6</i>	<i>24.72</i>	<i>0</i>	<i>80</i>	<i>0</i>	<i>30.9</i>	<i>4.27-70.1</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
 Work Order: 24041466
 Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

QC BATCH REPORT

Batch ID: **98519** Instrument ID **SVMS4** Method: **SW8270C**

MS				Sample ID: 24041264-01AMS			Units: mg/L		Analysis Date: 5/2/2024 04:17 PM		
Client ID:		Run ID: SVMS4_240502A		SeqNo: 3379259		Prep Date: 5/1/2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,4-Dichlorobenzene	0.02197	0.0096	0.03846	0	57.1	28.4-109	0				
2,4,5-Trichlorophenol	0.03365	0.0096	0.03846	0	87.5	43-123	0				
2,4,6-Trichlorophenol	0.03148	0.0096	0.03846	0	81.9	37-118	0				
2,4-Dinitrotoluene	0.03053	0.0096	0.03846	0	79.4	16-143	0				
2-Methylphenol	0.02937	0.0096	0.03846	0	76.4	41-107	0				
3&4-Methylphenol	0.02688	0.0096	0.03846	0	69.9	21-119	0				
Hexachlorobenzene	0.02942	0.0096	0.03846	0	76.5	36-103	0				
Hexachlorobutadiene	0.02126	0.0096	0.03846	0	55.3	25.5-97.9	0				
Hexachloroethane	0.0207	0.0096	0.03846	0	53.8	24-99	0				
Nitrobenzene	0.03134	0.0096	0.03846	0	81.5	37.9-113	0				
Pentachlorophenol	0.03001	0.0096	0.03846	0	78	22-137	0				
Pyridine	0.01831	0.0096	0.03846	0	47.6	19-100	0				
<i>Surr: 2,4,6-Tribromophenol</i>	<i>0.06265</i>	<i>0</i>	<i>0.07692</i>	<i>0</i>	<i>81.5</i>	<i>31.2-113</i>	<i>0</i>				
<i>Surr: 2-Fluorobiphenyl</i>	<i>0.02935</i>	<i>0</i>	<i>0.03846</i>	<i>0</i>	<i>76.3</i>	<i>13.4-123</i>	<i>0</i>				
<i>Surr: 2-Fluorophenol</i>	<i>0.03797</i>	<i>0</i>	<i>0.07692</i>	<i>0</i>	<i>49.4</i>	<i>12-89</i>	<i>0</i>				
<i>Surr: 4-Terphenyl-d14</i>	<i>0.01786</i>	<i>0</i>	<i>0.03846</i>	<i>0</i>	<i>46.4</i>	<i>24.8-122</i>	<i>0</i>				
<i>Surr: Nitrobenzene-d5</i>	<i>0.03063</i>	<i>0</i>	<i>0.03846</i>	<i>0</i>	<i>79.6</i>	<i>28-120</i>	<i>0</i>				
<i>Surr: Phenol-d6</i>	<i>0.02475</i>	<i>0</i>	<i>0.07692</i>	<i>0</i>	<i>32.2</i>	<i>4.27-70.1</i>	<i>0</i>				

The following samples were analyzed in this batch: 24041466-03B 24041466-04B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
Work Order: 24041466
Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

QC BATCH REPORT

Batch ID: **98543** Instrument ID **SVMS3** Method: **SW8270C**

MBLK		Sample ID: MBLK-98543-98543				Units: µg/L		Analysis Date: 5/2/2024 05:03 PM		
Client ID:		Run ID: SVMS3_240502A		SeqNo: 3379702		Prep Date: 5/1/2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	ND	0.16								
2-Methylnaphthalene	ND	0.16								
Acenaphthene	ND	0.16								
Acenaphthylene	ND	0.16								
Anthracene	ND	0.16								
Benzo(a)anthracene	ND	0.16								
Benzo(a)pyrene	ND	0.16								
Benzo(b)fluoranthene	ND	0.16								
Benzo(g,h,i)perylene	ND	0.16								
Benzo(k)fluoranthene	ND	0.16								
Carbazole	ND	0.16								
Chrysene	ND	0.16								
Dibenzo(a,h)anthracene	ND	0.040								
Dibenzofuran	ND	0.16								
Fluoranthene	ND	0.16								
Fluorene	ND	0.16								
Indeno(1,2,3-cd)pyrene	ND	0.12								
Naphthalene	ND	0.16								
Phenanthrene	ND	0.16								
Pyrene	ND	0.16								
<i>Surr: 2-Fluorobiphenyl</i>	4.753	0	4.866		0	97.7	21.6-144		0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
Work Order: 24041466
Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

QC BATCH REPORT

Batch ID: **98543** Instrument ID **SVMS3** Method: **SW8270C**

LCS		Sample ID: LCS-98543-98543				Units: µg/L		Analysis Date: 5/2/2024 05:21 PM		
Client ID:		Run ID: SVMS3_240502A			SeqNo: 3379703		Prep Date: 5/1/2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	4.737	0.17	4.928	0	96.1	56.5-130	0			
Acenaphthylene	5.231	0.17	4.928	0	106	61.2-142	0			
Anthracene	4.402	0.17	4.928	0	89.3	61.6-134	0			
Benzo(a)anthracene	4.549	0.17	4.928	0	92.3	49.1-127	0			
Benzo(a)pyrene	4.724	0.17	4.928	0	95.9	42.2-156	0			
Benzo(b)fluoranthene	4.378	0.17	4.928	0	88.8	57.9-130	0			
Benzo(g,h,i)perylene	4.744	0.17	4.928	0	96.3	43.9-155	0			
Benzo(k)fluoranthene	4.996	0.17	4.928	0	101	53.6-154	0			
Chrysene	4.63	0.17	4.928	0	93.9	60.2-143	0			
Dibenzo(a,h)anthracene	4.554	0.042	4.928	0	92.4	46-155	0			
Fluoranthene	4.845	0.17	4.928	0	98.3	58.7-140	0			
Fluorene	4.782	0.17	4.928	0	97	59.4-140	0			
Indeno(1,2,3-cd)pyrene	4.355	0.13	4.928	0	88.4	46-147	0			
Naphthalene	4.372	0.17	4.928	0	88.7	55.7-124	0			
Phenanthrene	4.738	0.17	4.928	0	96.1	51.6-139	0			
Pyrene	4.842	0.17	4.928	0	98.3	58-143	0			
<i>Surr: 2-Fluorobiphenyl</i>	5.287	0	4.928	0	107	21.6-144	0			

The following samples were analyzed in this batch:

24041466-01B	24041466-02B
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
 Work Order: 24041466
 Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

QC BATCH REPORT

Batch ID: **R229170** Instrument ID **VMS6** Method: **SW8260B**

MBLK		Sample ID: MBLK-R229170			Units: µg/L		Analysis Date: 5/3/2024 12:03 PM			
Client ID:		Run ID: VMS6_240503A			SeqNo: 3380505		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	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	0.20								
1,2-Dibromoethane	ND	0.050								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	0.269	5.0								J
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	0.437	5.0								J
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
Work Order: 24041466
Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

QC BATCH REPORT

Batch ID: R229170	Instrument ID VMS6	Method: SW8260B					
Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	10					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	5.0					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	2.0					
Xylenes, Total	ND	15					
<i>Surr: 4-Bromofluorobenzene</i>	<i>52.74</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>105</i>	<i>61-131</i>	<i>0</i>
<i>Surr: Dibromofluoromethane</i>	<i>50.69</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>72-137</i>	<i>0</i>
<i>Surr: Toluene-d8</i>	<i>51.64</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>103</i>	<i>93.7-124</i>	<i>0</i>

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
 Work Order: 24041466
 Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

QC BATCH REPORT

Batch ID: **R229170** Instrument ID **VMS6** Method: **SW8260B**

LCS		Sample ID: LCS-R229170				Units: µg/L		Analysis Date: 5/3/2024 10:20 AM		
Client ID:		Run ID: VMS6_240503A			SeqNo: 3380502		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-Trichloroethane	45.48	5.0	50	0	91	48.4-140	0			
1,1-Dichloroethene	46.25	5.0	50	0	92.5	45.5-150	0			
1,2-Dichloroethane	46.59	5.0	50	0	93.2	46.5-141	0			
1,3-Dichlorobenzene	43.32	5.0	50	0	86.6	42.5-133	0			
1,4-Dichlorobenzene	43.17	5.0	50	0	86.3	38.9-136	0			
Benzene	43.85	5.0	50	0	87.7	50.7-134	0			
Carbon tetrachloride	47.58	5.0	50	0	95.2	45.5-143	0			
Chlorobenzene	41.14	5.0	50	0	82.3	45-133	0			
Chloroform	51.37	5.0	50	0	103	52.4-136	0			
cis-1,2-Dichloroethene	47.67	5.0	50	0	95.3	49.7-138	0			
Ethylbenzene	45.04	5.0	50	0	90.1	37.8-145	0			
m,p-Xylene	101.8	10	100	0	102	25.1-163	0			
Methyl tert-butyl ether	57.94	5.0	50	0	116	26.7-174	0			
Styrene	48.22	5.0	50	0	96.4	26.3-172	0			
Tetrachloroethene	34.28	5.0	50	0	68.6	37.3-139	0			
Toluene	43.26	5.0	50	0	86.5	44-135	0			
Trichloroethene	46.62	5.0	50	0	93.2	45.9-140	0			
Xylenes, Total	149.8	15	150	0	99.8	47.3-132	0			
<i>Surr: 4-Bromofluorobenzene</i>	46.57	0	50	0	93.1	61-131	0			
<i>Surr: Dibromofluoromethane</i>	56.47	0	50	0	113	72-137	0			
<i>Surr: Toluene-d8</i>	49.93	0	50	0	99.9	93.7-124	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
 Work Order: 24041466
 Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

QC BATCH REPORT

Batch ID: **R229170** Instrument ID **VMS6** Method: **SW8260B**

MS		Sample ID: 24041325-02A MS				Units: µg/L		Analysis Date: 5/3/2024 10:41 AM		
Client ID:		Run ID: VMS6_240503A			SeqNo: 3380503		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-Trichloroethane	47.38	5.0	50	0	94.8	40.4-134	0			
1,1-Dichloroethane	49.11	5.0	50	0	98.2	45.3-151	0			
1,2-Dichloroethane	48.4	5.0	50	0.259	96.3	37-139	0			
1,3-Dichlorobenzene	46.99	5.0	50	0	94	42.9-121	0			
1,4-Dichlorobenzene	43.54	5.0	50	0	87.1	53.4-129	0			
Benzene	46.48	5.0	50	0.925	91.1	37.4-144	0			
Carbon tetrachloride	50.79	5.0	50	0	102	33.8-150	0			
Chlorobenzene	46.12	5.0	50	0	92.2	52.4-132	0			
Chloroform	52.7	5.0	50	0	105	45.5-135	0			
cis-1,2-Dichloroethene	50.03	5.0	50	0	100	35.2-150	0			
Ethylbenzene	50.44	5.0	50	0	101	46.5-146	0			
m,p-Xylene	112.6	10	100	0	113	38.2-167	0			
Styrene	53.7	5.0	50	0	107	20.9-184	0			
Tetrachloroethene	37.15	5.0	50	0	74.3	55.2-134	0			
Toluene	45.45	5.0	50	0	90.9	32.7-140	0			
Trichloroethene	50.07	5.0	50	0	100	29.1-153	0			
Xylenes, Total	165.4	15	150	0	110	43.6-148	0			
<i>Surr: 4-Bromofluorobenzene</i>	46.06	0	50	0	92.1	61-131	0			
<i>Surr: Dibromofluoromethane</i>	54.76	0	50	0	110	72-137	0			
<i>Surr: Toluene-d8</i>	50.5	0	50	0	101	93.7-124	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
 Work Order: 24041466
 Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

QC BATCH REPORT

Batch ID: **R229170** Instrument ID **VMS6** Method: **SW8260B**

MSD		Sample ID: 24041325-02A MSD				Units: µg/L		Analysis Date: 5/3/2024 11:01 AM		
Client ID:		Run ID: VMS6_240503A			SeqNo: 3380504		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-Trichloroethane	53.92	5.0	50	0	108	40.4-134	47.38	12.9	20	
1,1-Dichloroethene	57.55	5.0	50	0	115	45.3-151	49.11	15.8	20	
1,2-Dichloroethane	49.58	5.0	50	0.259	98.6	37-139	48.4	2.41	20	
1,3-Dichlorobenzene	50.17	5.0	50	0	100	42.9-121	46.99	6.54	20	
1,4-Dichlorobenzene	46.48	5.0	50	0	93	53.4-129	43.54	6.52	20	
Benzene	49.3	5.0	50	0.925	96.8	37.4-144	46.48	5.89	20	
Carbon tetrachloride	56.74	5.0	50	0	113	33.8-150	50.79	11.1	20	
Chlorobenzene	46.89	5.0	50	0	93.8	52.4-132	46.12	1.66	20	
Chloroform	60.18	5.0	50	0	120	45.5-135	52.7	13.3	20	
cis-1,2-Dichloroethene	57.05	5.0	50	0	114	35.2-150	50.03	13.1	20	
Ethylbenzene	51.39	5.0	50	0	103	46.5-146	50.44	1.88	20	
m,p-Xylene	118.2	10	100	0	118	38.2-167	112.6	4.87	20	
Styrene	56.24	5.0	50	0	112	20.9-184	53.7	4.62	20	
Tetrachloroethene	37.69	5.0	50	0	75.4	55.2-134	37.15	1.46	20	
Toluene	48.1	5.0	50	0	96.2	32.7-140	45.45	5.66	20	
Trichloroethene	50.39	5.0	50	0	101	29.1-153	50.07	0.639	20	
Xylenes, Total	173.5	15	150	0	116	43.6-148	165.4	4.75	20	
<i>Surr: 4-Bromofluorobenzene</i>	46.6	0	50	0	93.2	61-131	46.06	1.17		
<i>Surr: Dibromofluoromethane</i>	58.66	0	50	0	117	72-137	54.76	6.89		
<i>Surr: Toluene-d8</i>	50.52	0	50	0	101	93.7-124	50.5	0.0356		

The following samples were analyzed in this batch:

24041466-01A	24041466-02A	24041466-03A
24041466-04A	24041466-05A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
 Work Order: 24041466
 Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

QC BATCH REPORT

Batch ID: **R229218** Instrument ID **VMS6** Method: **SW8260B**

MBLK		Sample ID: MBLK-R229218			Units: µg/L		Analysis Date: 5/6/2024 12:55 PM			
Client ID:		Run ID: VMS6_240506A			SeqNo: 3381374		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	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	0.20								
1,2-Dibromoethane	ND	0.050								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	0.28	5.0								J
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	0.668	5.0								J
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
Work Order: 24041466
Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

QC BATCH REPORT

Batch ID: R229218	Instrument ID VMS6	Method: SW8260B					
Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	10					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	5.0					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	2.0					
Xylenes, Total	ND	15					
<i>Surr: 4-Bromofluorobenzene</i>	<i>52.77</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>106</i>	<i>61-131</i>	<i>0</i>
<i>Surr: Dibromofluoromethane</i>	<i>51.33</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>103</i>	<i>72-137</i>	<i>0</i>
<i>Surr: Toluene-d8</i>	<i>51.91</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>104</i>	<i>93.7-124</i>	<i>0</i>

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
Work Order: 24041466
Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

QC BATCH REPORT

Batch ID: **R229218** Instrument ID **VMS6** Method: **SW8260B**

LCS		Sample ID: LCS-R229218				Units: µg/L		Analysis Date: 5/6/2024 11:12 AM		
Client ID:		Run ID: VMS6_240506A			SeqNo: 3381371		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-Trichloroethane	42.65	5.0	50	0	85.3	48.4-140	0			
1,1-Dichloroethane	47.84	5.0	50	0	95.7	45.5-150	0			
1,2-Dichloroethane	44.82	5.0	50	0	89.6	46.5-141	0			
1,3-Dichlorobenzene	44.73	5.0	50	0	89.5	42.5-133	0			
1,4-Dichlorobenzene	42.97	5.0	50	0	85.9	38.9-136	0			
Benzene	43.69	5.0	50	0	87.4	50.7-134	0			
Carbon tetrachloride	49.57	5.0	50	0	99.1	45.5-143	0			
Chlorobenzene	42.14	5.0	50	0	84.3	45-133	0			
Chloroform	52.61	5.0	50	0	105	52.4-136	0			
cis-1,2-Dichloroethene	48.97	5.0	50	0	97.9	49.7-138	0			
Ethylbenzene	46.59	5.0	50	0	93.2	37.8-145	0			
m,p-Xylene	105.9	10	100	0	106	25.1-163	0			
Methyl tert-butyl ether	56.45	5.0	50	0	113	26.7-174	0			
Styrene	49.08	5.0	50	0	98.2	26.3-172	0			
Tetrachloroethene	34.92	5.0	50	0	69.8	37.3-139	0			
Toluene	41.37	5.0	50	0	82.7	44-135	0			
Trichloroethene	45.3	5.0	50	0	90.6	45.9-140	0			
Xylenes, Total	156.4	15	150	0	104	47.3-132	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>46.78</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>93.6</i>	<i>61-131</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>56.55</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>113</i>	<i>72-137</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>49.16</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>98.3</i>	<i>93.7-124</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
 Work Order: 24041466
 Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

QC BATCH REPORT

Batch ID: **R229218** Instrument ID **VMS6** Method: **SW8260B**

MS		Sample ID: 24041396-02A MS				Units: µg/L		Analysis Date: 5/6/2024 11:33 AM		
Client ID:		Run ID: VMS6_240506A		SeqNo: 3381372		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-Trichloroethane	48.13	5.0	50	0	96.3	40.4-134	0			
1,1-Dichloroethene	54.27	5.0	50	0	109	45.3-151	0			
1,2-Dichloroethane	47.65	5.0	50	0.579	94.1	37-139	0			
1,3-Dichlorobenzene	46.65	5.0	50	0	93.3	42.9-121	0			
1,4-Dichlorobenzene	44.99	5.0	50	0	90	53.4-129	0			
Benzene	46.92	5.0	50	0.194	93.4	37.4-144	0			
Carbon tetrachloride	53.49	5.0	50	0	107	33.8-150	0			
Chlorobenzene	45.18	5.0	50	0	90.4	52.4-132	0			
Chloroform	57.43	5.0	50	0	115	45.5-135	0			
cis-1,2-Dichloroethene	52.95	5.0	50	0	106	35.2-150	0			
Ethylbenzene	49.43	5.0	50	0	98.9	46.5-146	0			
m,p-Xylene	114.3	10	100	0	114	38.2-167	0			
Styrene	52.95	5.0	50	0	106	20.9-184	0			
Tetrachloroethene	36.1	5.0	50	0	72.2	55.2-134	0			
Toluene	45.13	5.0	50	0.24	89.8	32.7-140	0			
Trichloroethene	48.24	5.0	50	0	96.5	29.1-153	0			
Xylenes, Total	166.1	15	150	0	111	43.6-148	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>45.24</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>90.5</i>	<i>61-131</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>56.31</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>113</i>	<i>72-137</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>49.36</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>98.7</i>	<i>93.7-124</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
 Work Order: 24041466
 Project: Former Harshaw Chemical; MS24-26; ODAS0003-5

QC BATCH REPORT

Batch ID: **R229218** Instrument ID **VMS6** Method: **SW8260B**

MSD		Sample ID: 24041396-02A MSD				Units: µg/L		Analysis Date: 5/6/2024 11:53 AM		
Client ID:		Run ID: VMS6_240506A			SeqNo: 3381373		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-Trichloroethane	50.19	5.0	50	0	100	40.4-134	48.13	4.19	20	
1,1-Dichloroethane	53.3	5.0	50	0	107	45.3-151	54.27	1.8	20	
1,2-Dichloroethane	48.25	5.0	50	0.579	95.3	37-139	47.65	1.26	20	
1,3-Dichlorobenzene	47.52	5.0	50	0	95	42.9-121	46.65	1.85	20	
1,4-Dichlorobenzene	45.31	5.0	50	0	90.6	53.4-129	44.99	0.715	20	
Benzene	47.32	5.0	50	0.194	94.2	37.4-144	46.92	0.849	20	
Carbon tetrachloride	52.08	5.0	50	0	104	33.8-150	53.49	2.68	20	
Chlorobenzene	44	5.0	50	0	88	52.4-132	45.18	2.63	20	
Chloroform	55.06	5.0	50	0	110	45.5-135	57.43	4.21	20	
cis-1,2-Dichloroethene	52.15	5.0	50	0	104	35.2-150	52.95	1.51	20	
Ethylbenzene	48.17	5.0	50	0	96.3	46.5-146	49.43	2.6	20	
m,p-Xylene	109.6	10	100	0	110	38.2-167	114.3	4.23	20	
Styrene	51.36	5.0	50	0	103	20.9-184	52.95	3.06	20	
Tetrachloroethene	36.25	5.0	50	0	72.5	55.2-134	36.1	0.406	20	
Toluene	45.18	5.0	50	0.24	89.9	32.7-140	45.13	0.113	20	
Trichloroethene	49.51	5.0	50	0	99	29.1-153	48.24	2.59	20	
Xylenes, Total	159.6	15	150	0	106	43.6-148	166.1	3.99	20	
<i>Surr: 4-Bromofluorobenzene</i>	47.55	0	50	0	95.1	61-131	45.24	4.97		
<i>Surr: Dibromofluoromethane</i>	55.06	0	50	0	110	72-137	56.31	2.24		
<i>Surr: Toluene-d8</i>	49.9	0	50	0	99.8	93.7-124	49.36	1.09		

The following samples were analyzed in this batch:

24041466-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
Project: Former Harshaw Chemical; MS24-26; ODAS0003-53
WorkOrder: 24041466

**QUALIFIERS,
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
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

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SDL	Sample Detection Limit
SW	SW-846 Method

<u>Units Reported</u>	<u>Description</u>
µg/L	

Sample Receipt Checklist

Client Name: **MANNIK-MAUMEE**

Date/Time Received: **29-Apr-24 13:49**

Work Order: **24041466**

Received by: **MB**

Checklist completed by **Alec Bolender**

30-Apr-24

Reviewed by: **Rob Nieman**

02-May-24

eSignature

Date

eSignature

Date

Matrices: water

Carrier name: Courier

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):

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage:

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:



Ship To: **ALS | Environmental**
 4388 Glendale Milford Rd.
 Cincinnati, Ohio 45242
 Phone: (513) 733-5336
 Fax: (513) 733-5347

Field Chain-of-Custody Record

Page 1 of 1

83701

REV 10/2017

24C41406

REGULAR Status RUSH Status RESULTS REQUIRED BY: (Date) _____
 CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES

OH VAP: YES NO BUSTR: YES NO NELAC: YES NO

Date: _____ Purchase Order No.: _____
 Company Name: The Mamik & Smith Group, Inc. Project No.: ODAS0003 - 53
 Address: 1800 Indian Wood Circle Sampling Site: MS24 - 26
Maumee OH 43531 Former Harshaw Chemical
 City State Zip
 Person to Contact: Matt Pesci Billing Address (if different): Ohio EPA
 Email Address: mpesci@mamiksmithgroup.com DERR
 Telephone (HQ): 891-2222 x 2088 Lazarus Government Center PO Box 1049
 Alternate Contact: _____ Columbus, OH 43216-1049

Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	ANALYSIS REQUESTED			
			VOCs 8260	PAHs 8270	SVOCs 8270	VAP Metals
	W	3	X	X		
	W	3	X	X		
	W	4	X		X	X
	W	4	X		X	X
1	W	1	X			

ALS Lab ID	Sample ID / Description	Date	Time
1	MW-2	4/25/24	1125
2	MW-10	4/25/24	1205
3	MW-12	4/25/24	1150
4	MW-16	4/25/24	1215
5	Trip Blank		

Notes:

Preservation Key: 1 - HCl 2 - HNO₃ 3 - H₂SO₄ 4 - NaOH 5 - Na₂S₂O₃ 6 - NaHSO₄ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C Matrix Key: A - Air B - Bulk S - Soil W - Water

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: <u>no release</u> (Signature)	Time / Date: <u>4:56 4/25/24</u>	Received By: <u>John Raymond</u> (Signature)	Time / Date: <u>4:56 4/25/24</u>
Relinquished By: <u>John Raymond</u> (Signature)	Time / Date: <u>4:56 4/25/24</u>	Received By: <u>[Signature]</u> (Signature)	Time / Date: <u>4:29 4/25/24</u>
Relinquished By: _____ (Signature)	Time / Date: _____	Received By: _____ (Signature)	Time / Date: _____

ALS LAB USE ONLY

COOLER TEMP: 2.3 °C TAKEN WITH IR#: 119063 119059

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS

STD MAIL PRTY MAIL ALS COURIER OTHER: _____

CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES

pH ADJUSTMENTS: _____



13-May-2024

Matt Pesci
The Mannik & Smith Group
1800 Indian Wood Circle
Maumee, OH 43537

Re: **MS24-26; ODAS0003-53**

Work Order: **24041473**

Dear Matt,

ALS Environmental received 3 samples on 29-Apr-2024 01:00 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met 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 Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 30.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

Rob Nieman

Electronically approved by: Rob Nieman

Rob Nieman
Project Manager

Report of Laboratory Analysis

ADDRESS 4388 Glendale Milford Rd Cincinnati, OH 45242- | PHONE (513) 733-5336 | FAX (513) 733-5347

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental 

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: The Mannik & Smith Group
Project: MS24-26; ODAS0003-53
Work Order: 24041473

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
24041473-01	SG-1	Air		4/25/2024 12:40	4/29/2024 13:00	<input type="checkbox"/>
24041473-02	SG-2	Air		4/25/2024 13:02	4/29/2024 13:00	<input type="checkbox"/>
24041473-03	SG-3	Air		4/25/2024 13:18	4/29/2024 13:00	<input type="checkbox"/>

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: MS24-26; ODAS0003-53

Work Order: 24041473

Case Narrative

The analyses requested were analyzed according to Ohio Voluntary Action Program requirements. Affidavits are available upon request.

The analytical data provided relates directly to the samples received by ALS Laboratory Group and for only the analyses requested.

QC sample results for this data met 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 Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: MS24-26; ODAS0003-53

Work Order: 24041473

Sample ID: SG-1

Lab ID: 24041473-01

Collection Date: 4/25/2024 12:40 PM

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			ETO-15			Analyst: LAK
1,1,1-Trichloroethane	ND		0.50	ppbv	1	5/2/2024 01:46 AM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	5/2/2024 01:46 AM
1,1,2-Trichloroethane	ND		0.20	ppbv	1	5/2/2024 01:46 AM
1,1-Dichloroethane	ND		0.50	ppbv	1	5/2/2024 01:46 AM
1,1-Dichloroethene	ND		0.50	ppbv	1	5/2/2024 01:46 AM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	5/2/2024 01:46 AM
1,2,4-Trimethylbenzene	0.88		0.50	ppbv	1	5/2/2024 01:46 AM
1,2-Dibromoethane	ND		0.20	ppbv	1	5/2/2024 01:46 AM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	5/2/2024 01:46 AM
1,2-Dichloroethane	ND		0.20	ppbv	1	5/2/2024 01:46 AM
1,2-Dichloropropane	ND		0.50	ppbv	1	5/2/2024 01:46 AM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	5/2/2024 01:46 AM
1,3-Butadiene	0.29		0.20	ppbv	1	5/2/2024 01:46 AM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	5/2/2024 01:46 AM
1,4-Dichlorobenzene	ND		0.20	ppbv	1	5/2/2024 01:46 AM
1,4-Dioxane	ND		0.50	ppbv	1	5/2/2024 01:46 AM
2-Butanone	ND		1.0	ppbv	1	5/2/2024 01:46 AM
2-Hexanone	ND		1.0	ppbv	1	5/2/2024 01:46 AM
2-Propanol	ND		1.0	ppbv	1	5/2/2024 01:46 AM
4-Ethyltoluene	ND		0.50	ppbv	1	5/2/2024 01:46 AM
4-Methyl-2-pentanone	ND		1.0	ppbv	1	5/2/2024 01:46 AM
Acetone	8.7		1.0	ppbv	1	5/2/2024 01:46 AM
Benzene	2.8		0.50	ppbv	1	5/2/2024 01:46 AM
Benzyl chloride	ND		0.50	ppbv	1	5/2/2024 01:46 AM
Bromodichloromethane	ND		0.20	ppbv	1	5/2/2024 01:46 AM
Bromoform	ND		0.50	ppbv	1	5/2/2024 01:46 AM
Bromomethane	ND		0.50	ppbv	1	5/2/2024 01:46 AM
Carbon disulfide	3.1		0.50	ppbv	1	5/2/2024 01:46 AM
Carbon tetrachloride	ND		0.50	ppbv	1	5/2/2024 01:46 AM
Chlorobenzene	ND		0.50	ppbv	1	5/2/2024 01:46 AM
Chloroethane	ND		0.50	ppbv	1	5/2/2024 01:46 AM
Chloroform	ND		0.20	ppbv	1	5/2/2024 01:46 AM
Chloromethane	ND		0.50	ppbv	1	5/2/2024 01:46 AM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	5/2/2024 01:46 AM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	5/2/2024 01:46 AM
Cumene	ND		0.50	ppbv	1	5/2/2024 01:46 AM
Cyclohexane	11		0.50	ppbv	1	5/2/2024 01:46 AM
Dibromochloromethane	ND		0.50	ppbv	1	5/2/2024 01:46 AM
Dichlorodifluoromethane	0.81		0.50	ppbv	1	5/2/2024 01:46 AM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: MS24-26; ODAS0003-53

Work Order: 24041473

Sample ID: SG-1

Lab ID: 24041473-01

Collection Date: 4/25/2024 12:40 PM

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	5/2/2024 01:46 AM
Ethylbenzene	2.0		0.50	ppbv	1	5/2/2024 01:46 AM
Freon 113	ND		0.50	ppbv	1	5/2/2024 01:46 AM
Freon 114	ND		0.50	ppbv	1	5/2/2024 01:46 AM
Heptane	4.8		0.50	ppbv	1	5/2/2024 01:46 AM
Hexachlorobutadiene	ND		0.20	ppbv	1	5/2/2024 01:46 AM
Hexane	17		5.0	ppbv	10	5/3/2024 11:27 AM
m,p-Xylene	11		0.50	ppbv	1	5/2/2024 01:46 AM
Methylene chloride	ND		2.0	ppbv	1	5/2/2024 01:46 AM
MTBE	ND		0.50	ppbv	1	5/2/2024 01:46 AM
Naphthalene	0.31		0.20	ppbv	1	5/2/2024 01:46 AM
o-Xylene	4.6		0.50	ppbv	1	5/2/2024 01:46 AM
Propene	ND		0.50	ppbv	1	5/2/2024 01:46 AM
Styrene	ND		0.50	ppbv	1	5/2/2024 01:46 AM
Tetrachloroethene	ND		0.50	ppbv	1	5/2/2024 01:46 AM
Tetrahydrofuran	ND		0.50	ppbv	1	5/2/2024 01:46 AM
Toluene	4.9		0.50	ppbv	1	5/2/2024 01:46 AM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	5/2/2024 01:46 AM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	5/2/2024 01:46 AM
Trichloroethene	ND		0.20	ppbv	1	5/2/2024 01:46 AM
Trichlorofluoromethane	1.5		0.50	ppbv	1	5/2/2024 01:46 AM
Vinyl acetate	ND		1.0	ppbv	1	5/2/2024 01:46 AM
Vinyl chloride	ND		0.50	ppbv	1	5/2/2024 01:46 AM
<i>Surr: Bromofluorobenzene</i>	96.3		60-140	%REC	1	5/2/2024 01:46 AM

TO-15 BY GC/MS

ETO-15

Analyst: LAK

1,1,1-Trichloroethane	ND		2.73	µg/m3	1	5/2/2024 01:46 AM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	5/2/2024 01:46 AM
1,1,2-Trichloroethane	ND		1.09	µg/m3	1	5/2/2024 01:46 AM
1,1-Dichloroethane	ND		2.02	µg/m3	1	5/2/2024 01:46 AM
1,1-Dichloroethene	ND		1.98	µg/m3	1	5/2/2024 01:46 AM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	5/2/2024 01:46 AM
1,2,4-Trimethylbenzene	4.33		2.46	µg/m3	1	5/2/2024 01:46 AM
1,2-Dibromoethane	ND		1.54	µg/m3	1	5/2/2024 01:46 AM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	5/2/2024 01:46 AM
1,2-Dichloroethane	ND		0.809	µg/m3	1	5/2/2024 01:46 AM
1,2-Dichloropropane	ND		2.31	µg/m3	1	5/2/2024 01:46 AM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	5/2/2024 01:46 AM
1,3-Butadiene	0.642		0.442	µg/m3	1	5/2/2024 01:46 AM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	5/2/2024 01:46 AM
1,4-Dichlorobenzene	ND		1.20	µg/m3	1	5/2/2024 01:46 AM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: MS24-26; ODAS0003-53

Work Order: 24041473

Sample ID: SG-1

Lab ID: 24041473-01

Collection Date: 4/25/2024 12:40 PM

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		1.80	µg/m3	1	5/2/2024 01:46 AM
2-Butanone	ND		2.95	µg/m3	1	5/2/2024 01:46 AM
2-Hexanone	ND		4.10	µg/m3	1	5/2/2024 01:46 AM
2-Propanol	ND		2.46	µg/m3	1	5/2/2024 01:46 AM
4-Ethyltoluene	ND		2.46	µg/m3	1	5/2/2024 01:46 AM
4-Methyl-2-pentanone	ND		4.10	µg/m3	1	5/2/2024 01:46 AM
Acetone	20.7		2.38	µg/m3	1	5/2/2024 01:46 AM
Benzene	9.04		1.60	µg/m3	1	5/2/2024 01:46 AM
Benzyl chloride	ND		2.55	µg/m3	1	5/2/2024 01:46 AM
Bromodichloromethane	ND		1.34	µg/m3	1	5/2/2024 01:46 AM
Bromoform	ND		5.17	µg/m3	1	5/2/2024 01:46 AM
Bromomethane	ND		1.94	µg/m3	1	5/2/2024 01:46 AM
Carbon disulfide	9.71		1.56	µg/m3	1	5/2/2024 01:46 AM
Carbon tetrachloride	ND		3.15	µg/m3	1	5/2/2024 01:46 AM
Chlorobenzene	ND		2.30	µg/m3	1	5/2/2024 01:46 AM
Chloroethane	ND		1.32	µg/m3	1	5/2/2024 01:46 AM
Chloroform	ND		0.976	µg/m3	1	5/2/2024 01:46 AM
Chloromethane	ND		1.03	µg/m3	1	5/2/2024 01:46 AM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	5/2/2024 01:46 AM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	5/2/2024 01:46 AM
Cumene	ND		2.46	µg/m3	1	5/2/2024 01:46 AM
Cyclohexane	36.3		1.72	µg/m3	1	5/2/2024 01:46 AM
Dibromochloromethane	ND		4.26	µg/m3	1	5/2/2024 01:46 AM
Dichlorodifluoromethane	4.01		2.47	µg/m3	1	5/2/2024 01:46 AM
Ethyl acetate	ND		1.80	µg/m3	1	5/2/2024 01:46 AM
Ethylbenzene	8.51		2.17	µg/m3	1	5/2/2024 01:46 AM
Freon 113	ND		3.83	µg/m3	1	5/2/2024 01:46 AM
Freon 114	ND		3.50	µg/m3	1	5/2/2024 01:46 AM
Heptane	19.6		2.05	µg/m3	1	5/2/2024 01:46 AM
Hexachlorobutadiene	ND		2.13	µg/m3	1	5/2/2024 01:46 AM
Hexane	61.4		17.6	µg/m3	10	5/3/2024 11:27 AM
m,p-Xylene	49.9		2.17	µg/m3	1	5/2/2024 01:46 AM
Methylene chloride	ND		7.00	µg/m3	1	5/2/2024 01:46 AM
MTBE	ND		1.80	µg/m3	1	5/2/2024 01:46 AM
Naphthalene	1.63		1.05	µg/m3	1	5/2/2024 01:46 AM
o-Xylene	20.1		2.17	µg/m3	1	5/2/2024 01:46 AM
Propene	ND		0.861	µg/m3	1	5/2/2024 01:46 AM
Styrene	ND		2.13	µg/m3	1	5/2/2024 01:46 AM
Tetrachloroethene	ND		3.39	µg/m3	1	5/2/2024 01:46 AM
Tetrahydrofuran	ND		1.47	µg/m3	1	5/2/2024 01:46 AM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group
Project: MS24-26; ODAS0003-53
Sample ID: SG-1
Collection Date: 4/25/2024 12:40 PM

Work Order: 24041473
Lab ID: 24041473-01
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	18.4		1.88	µg/m3	1	5/2/2024 01:46 AM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	5/2/2024 01:46 AM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	5/2/2024 01:46 AM
Trichloroethene	ND		1.07	µg/m3	1	5/2/2024 01:46 AM
Trichlorofluoromethane	8.32		2.81	µg/m3	1	5/2/2024 01:46 AM
Vinyl acetate	ND		3.52	µg/m3	1	5/2/2024 01:46 AM
Vinyl chloride	ND		1.28	µg/m3	1	5/2/2024 01:46 AM
Surr: Bromofluorobenzene	96.3		60-140	%REC	1	5/2/2024 01:46 AM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: MS24-26; ODAS0003-53

Work Order: 24041473

Sample ID: SG-2

Lab ID: 24041473-02

Collection Date: 4/25/2024 01:02 PM

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			ETO-15			Analyst: LAK
1,1,1-Trichloroethane	ND		0.50	ppbv	1	5/2/2024 02:31 AM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	5/2/2024 02:31 AM
1,1,2-Trichloroethane	ND		0.20	ppbv	1	5/2/2024 02:31 AM
1,1-Dichloroethane	ND		0.50	ppbv	1	5/2/2024 02:31 AM
1,1-Dichloroethene	ND		0.50	ppbv	1	5/2/2024 02:31 AM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	5/2/2024 02:31 AM
1,2,4-Trimethylbenzene	0.74		0.50	ppbv	1	5/2/2024 02:31 AM
1,2-Dibromoethane	ND		0.20	ppbv	1	5/2/2024 02:31 AM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	5/2/2024 02:31 AM
1,2-Dichloroethane	ND		0.20	ppbv	1	5/2/2024 02:31 AM
1,2-Dichloropropane	ND		0.50	ppbv	1	5/2/2024 02:31 AM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	5/2/2024 02:31 AM
1,3-Butadiene	ND		0.20	ppbv	1	5/2/2024 02:31 AM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	5/2/2024 02:31 AM
1,4-Dichlorobenzene	ND		0.20	ppbv	1	5/2/2024 02:31 AM
1,4-Dioxane	ND		0.50	ppbv	1	5/2/2024 02:31 AM
2-Butanone	ND		1.0	ppbv	1	5/2/2024 02:31 AM
2-Hexanone	ND		1.0	ppbv	1	5/2/2024 02:31 AM
2-Propanol	ND		1.0	ppbv	1	5/2/2024 02:31 AM
4-Ethyltoluene	ND		0.50	ppbv	1	5/2/2024 02:31 AM
4-Methyl-2-pentanone	ND		1.0	ppbv	1	5/2/2024 02:31 AM
Acetone	7.4		1.0	ppbv	1	5/2/2024 02:31 AM
Benzene	ND		0.50	ppbv	1	5/2/2024 02:31 AM
Benzyl chloride	ND		0.50	ppbv	1	5/2/2024 02:31 AM
Bromodichloromethane	ND		0.20	ppbv	1	5/2/2024 02:31 AM
Bromoform	ND		0.50	ppbv	1	5/2/2024 02:31 AM
Bromomethane	ND		0.50	ppbv	1	5/2/2024 02:31 AM
Carbon disulfide	4.6		0.50	ppbv	1	5/2/2024 02:31 AM
Carbon tetrachloride	ND		0.50	ppbv	1	5/2/2024 02:31 AM
Chlorobenzene	ND		0.50	ppbv	1	5/2/2024 02:31 AM
Chloroethane	ND		0.50	ppbv	1	5/2/2024 02:31 AM
Chloroform	0.86		0.20	ppbv	1	5/2/2024 02:31 AM
Chloromethane	ND		0.50	ppbv	1	5/2/2024 02:31 AM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	5/2/2024 02:31 AM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	5/2/2024 02:31 AM
Cumene	ND		0.50	ppbv	1	5/2/2024 02:31 AM
Cyclohexane	2.2		0.50	ppbv	1	5/2/2024 02:31 AM
Dibromochloromethane	ND		0.50	ppbv	1	5/2/2024 02:31 AM
Dichlorodifluoromethane	ND		0.50	ppbv	1	5/2/2024 02:31 AM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: MS24-26; ODAS0003-53

Work Order: 24041473

Sample ID: SG-2

Lab ID: 24041473-02

Collection Date: 4/25/2024 01:02 PM

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	5/2/2024 02:31 AM
Ethylbenzene	ND		0.50	ppbv	1	5/2/2024 02:31 AM
Freon 113	ND		0.50	ppbv	1	5/2/2024 02:31 AM
Freon 114	ND		0.50	ppbv	1	5/2/2024 02:31 AM
Heptane	2.8		0.50	ppbv	1	5/2/2024 02:31 AM
Hexachlorobutadiene	ND		0.20	ppbv	1	5/2/2024 02:31 AM
Hexane	8.5		0.50	ppbv	1	5/2/2024 02:31 AM
m,p-Xylene	0.51		0.50	ppbv	1	5/2/2024 02:31 AM
Methylene chloride	ND		2.0	ppbv	1	5/2/2024 02:31 AM
MTBE	ND		0.50	ppbv	1	5/2/2024 02:31 AM
Naphthalene	0.33		0.20	ppbv	1	5/2/2024 02:31 AM
o-Xylene	ND		0.50	ppbv	1	5/2/2024 02:31 AM
Propene	6.4		0.50	ppbv	1	5/2/2024 02:31 AM
Styrene	ND		0.50	ppbv	1	5/2/2024 02:31 AM
Tetrachloroethene	ND		0.50	ppbv	1	5/2/2024 02:31 AM
Tetrahydrofuran	ND		0.50	ppbv	1	5/2/2024 02:31 AM
Toluene	0.65		0.50	ppbv	1	5/2/2024 02:31 AM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	5/2/2024 02:31 AM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	5/2/2024 02:31 AM
Trichloroethene	ND		0.20	ppbv	1	5/2/2024 02:31 AM
Trichlorofluoromethane	ND		0.50	ppbv	1	5/2/2024 02:31 AM
Vinyl acetate	ND		1.0	ppbv	1	5/2/2024 02:31 AM
Vinyl chloride	ND		0.50	ppbv	1	5/2/2024 02:31 AM
<i>Surr: Bromofluorobenzene</i>	94.8		60-140	%REC	1	5/2/2024 02:31 AM

TO-15 BY GC/MS

ETO-15

Analyst: **LAK**

1,1,1-Trichloroethane	ND		2.73	µg/m3	1	5/2/2024 02:31 AM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	5/2/2024 02:31 AM
1,1,2-Trichloroethane	ND		1.09	µg/m3	1	5/2/2024 02:31 AM
1,1-Dichloroethane	ND		2.02	µg/m3	1	5/2/2024 02:31 AM
1,1-Dichloroethene	ND		1.98	µg/m3	1	5/2/2024 02:31 AM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	5/2/2024 02:31 AM
1,2,4-Trimethylbenzene	3.64		2.46	µg/m3	1	5/2/2024 02:31 AM
1,2-Dibromoethane	ND		1.54	µg/m3	1	5/2/2024 02:31 AM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	5/2/2024 02:31 AM
1,2-Dichloroethane	ND		0.809	µg/m3	1	5/2/2024 02:31 AM
1,2-Dichloropropane	ND		2.31	µg/m3	1	5/2/2024 02:31 AM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	5/2/2024 02:31 AM
1,3-Butadiene	ND		0.442	µg/m3	1	5/2/2024 02:31 AM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	5/2/2024 02:31 AM
1,4-Dichlorobenzene	ND		1.20	µg/m3	1	5/2/2024 02:31 AM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: MS24-26; ODAS0003-53

Work Order: 24041473

Sample ID: SG-2

Lab ID: 24041473-02

Collection Date: 4/25/2024 01:02 PM

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		1.80	µg/m3	1	5/2/2024 02:31 AM
2-Butanone	ND		2.95	µg/m3	1	5/2/2024 02:31 AM
2-Hexanone	ND		4.10	µg/m3	1	5/2/2024 02:31 AM
2-Propanol	ND		2.46	µg/m3	1	5/2/2024 02:31 AM
4-Ethyltoluene	ND		2.46	µg/m3	1	5/2/2024 02:31 AM
4-Methyl-2-pentanone	ND		4.10	µg/m3	1	5/2/2024 02:31 AM
Acetone	17.7		2.38	µg/m3	1	5/2/2024 02:31 AM
Benzene	ND		1.60	µg/m3	1	5/2/2024 02:31 AM
Benzyl chloride	ND		2.55	µg/m3	1	5/2/2024 02:31 AM
Bromodichloromethane	ND		1.34	µg/m3	1	5/2/2024 02:31 AM
Bromoform	ND		5.17	µg/m3	1	5/2/2024 02:31 AM
Bromomethane	ND		1.94	µg/m3	1	5/2/2024 02:31 AM
Carbon disulfide	14.4		1.56	µg/m3	1	5/2/2024 02:31 AM
Carbon tetrachloride	ND		3.15	µg/m3	1	5/2/2024 02:31 AM
Chlorobenzene	ND		2.30	µg/m3	1	5/2/2024 02:31 AM
Chloroethane	ND		1.32	µg/m3	1	5/2/2024 02:31 AM
Chloroform	4.20		0.976	µg/m3	1	5/2/2024 02:31 AM
Chloromethane	ND		1.03	µg/m3	1	5/2/2024 02:31 AM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	5/2/2024 02:31 AM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	5/2/2024 02:31 AM
Cumene	ND		2.46	µg/m3	1	5/2/2024 02:31 AM
Cyclohexane	7.68		1.72	µg/m3	1	5/2/2024 02:31 AM
Dibromochloromethane	ND		4.26	µg/m3	1	5/2/2024 02:31 AM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	5/2/2024 02:31 AM
Ethyl acetate	ND		1.80	µg/m3	1	5/2/2024 02:31 AM
Ethylbenzene	ND		2.17	µg/m3	1	5/2/2024 02:31 AM
Freon 113	ND		3.83	µg/m3	1	5/2/2024 02:31 AM
Freon 114	ND		3.50	µg/m3	1	5/2/2024 02:31 AM
Heptane	11.6		2.05	µg/m3	1	5/2/2024 02:31 AM
Hexachlorobutadiene	ND		2.13	µg/m3	1	5/2/2024 02:31 AM
Hexane	29.9		1.76	µg/m3	1	5/2/2024 02:31 AM
m,p-Xylene	2.21		2.17	µg/m3	1	5/2/2024 02:31 AM
Methylene chloride	ND		7.00	µg/m3	1	5/2/2024 02:31 AM
MTBE	ND		1.80	µg/m3	1	5/2/2024 02:31 AM
Naphthalene	1.73		1.05	µg/m3	1	5/2/2024 02:31 AM
o-Xylene	ND		2.17	µg/m3	1	5/2/2024 02:31 AM
Propene	11.1		0.861	µg/m3	1	5/2/2024 02:31 AM
Styrene	ND		2.13	µg/m3	1	5/2/2024 02:31 AM
Tetrachloroethene	ND		3.39	µg/m3	1	5/2/2024 02:31 AM
Tetrahydrofuran	ND		1.47	µg/m3	1	5/2/2024 02:31 AM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group
Project: MS24-26; ODAS0003-53
Sample ID: SG-2
Collection Date: 4/25/2024 01:02 PM

Work Order: 24041473
Lab ID: 24041473-02
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	2.45		1.88	µg/m3	1	5/2/2024 02:31 AM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	5/2/2024 02:31 AM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	5/2/2024 02:31 AM
Trichloroethene	ND		1.07	µg/m3	1	5/2/2024 02:31 AM
Trichlorofluoromethane	ND		2.81	µg/m3	1	5/2/2024 02:31 AM
Vinyl acetate	ND		3.52	µg/m3	1	5/2/2024 02:31 AM
Vinyl chloride	ND		1.28	µg/m3	1	5/2/2024 02:31 AM
Surr: Bromofluorobenzene	94.8		60-140	%REC	1	5/2/2024 02:31 AM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: MS24-26; ODAS0003-53

Work Order: 24041473

Sample ID: SG-3

Lab ID: 24041473-03

Collection Date: 4/25/2024 01:18 PM

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			ETO-15			Analyst: LAK
1,1,1-Trichloroethane	0.51		0.50	ppbv	1	5/2/2024 01:00 AM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	5/2/2024 01:00 AM
1,1,2-Trichloroethane	ND		0.20	ppbv	1	5/2/2024 01:00 AM
1,1-Dichloroethane	ND		0.50	ppbv	1	5/2/2024 01:00 AM
1,1-Dichloroethene	ND		0.50	ppbv	1	5/2/2024 01:00 AM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	5/2/2024 01:00 AM
1,2,4-Trimethylbenzene	ND		0.50	ppbv	1	5/2/2024 01:00 AM
1,2-Dibromoethane	ND		0.20	ppbv	1	5/2/2024 01:00 AM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	5/2/2024 01:00 AM
1,2-Dichloroethane	ND		0.20	ppbv	1	5/2/2024 01:00 AM
1,2-Dichloropropane	ND		0.50	ppbv	1	5/2/2024 01:00 AM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	5/2/2024 01:00 AM
1,3-Butadiene	ND		0.20	ppbv	1	5/2/2024 01:00 AM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	5/2/2024 01:00 AM
1,4-Dichlorobenzene	ND		0.20	ppbv	1	5/2/2024 01:00 AM
1,4-Dioxane	ND		0.50	ppbv	1	5/2/2024 01:00 AM
2-Butanone	ND		1.0	ppbv	1	5/2/2024 01:00 AM
2-Hexanone	ND		1.0	ppbv	1	5/2/2024 01:00 AM
2-Propanol	ND		1.0	ppbv	1	5/2/2024 01:00 AM
4-Ethyltoluene	ND		0.50	ppbv	1	5/2/2024 01:00 AM
4-Methyl-2-pentanone	ND		1.0	ppbv	1	5/2/2024 01:00 AM
Acetone	6.0		1.0	ppbv	1	5/2/2024 01:00 AM
Benzene	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Benzyl chloride	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Bromodichloromethane	ND		0.20	ppbv	1	5/2/2024 01:00 AM
Bromoform	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Bromomethane	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Carbon disulfide	0.75		0.50	ppbv	1	5/2/2024 01:00 AM
Carbon tetrachloride	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Chlorobenzene	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Chloroethane	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Chloroform	ND		0.20	ppbv	1	5/2/2024 01:00 AM
Chloromethane	ND		0.50	ppbv	1	5/2/2024 01:00 AM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	5/2/2024 01:00 AM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Cumene	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Cyclohexane	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Dibromochloromethane	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Dichlorodifluoromethane	0.57		0.50	ppbv	1	5/2/2024 01:00 AM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: MS24-26; ODAS0003-53

Work Order: 24041473

Sample ID: SG-3

Lab ID: 24041473-03

Collection Date: 4/25/2024 01:18 PM

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Ethylbenzene	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Freon 113	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Freon 114	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Heptane	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Hexachlorobutadiene	ND		0.20	ppbv	1	5/2/2024 01:00 AM
Hexane	1.0		0.50	ppbv	1	5/2/2024 01:00 AM
m,p-Xylene	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Methylene chloride	ND		2.0	ppbv	1	5/2/2024 01:00 AM
MTBE	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Naphthalene	0.22		0.20	ppbv	1	5/2/2024 01:00 AM
o-Xylene	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Propene	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Styrene	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Tetrachloroethene	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Tetrahydrofuran	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Toluene	ND		0.50	ppbv	1	5/2/2024 01:00 AM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	5/2/2024 01:00 AM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	5/2/2024 01:00 AM
Trichloroethene	ND		0.20	ppbv	1	5/2/2024 01:00 AM
Trichlorofluoromethane	2.4		0.50	ppbv	1	5/2/2024 01:00 AM
Vinyl acetate	ND		1.0	ppbv	1	5/2/2024 01:00 AM
Vinyl chloride	ND		0.50	ppbv	1	5/2/2024 01:00 AM
<i>Surr: Bromofluorobenzene</i>	<i>94.7</i>		<i>60-140</i>	<i>%REC</i>	1	5/2/2024 01:00 AM

TO-15 BY GC/MS

ETO-15

Analyst: **LAK**

1,1,1-Trichloroethane	2.78		2.73	µg/m3	1	5/2/2024 01:00 AM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	5/2/2024 01:00 AM
1,1,2-Trichloroethane	ND		1.09	µg/m3	1	5/2/2024 01:00 AM
1,1-Dichloroethane	ND		2.02	µg/m3	1	5/2/2024 01:00 AM
1,1-Dichloroethene	ND		1.98	µg/m3	1	5/2/2024 01:00 AM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	5/2/2024 01:00 AM
1,2,4-Trimethylbenzene	ND		2.46	µg/m3	1	5/2/2024 01:00 AM
1,2-Dibromoethane	ND		1.54	µg/m3	1	5/2/2024 01:00 AM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	5/2/2024 01:00 AM
1,2-Dichloroethane	ND		0.809	µg/m3	1	5/2/2024 01:00 AM
1,2-Dichloropropane	ND		2.31	µg/m3	1	5/2/2024 01:00 AM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	5/2/2024 01:00 AM
1,3-Butadiene	ND		0.442	µg/m3	1	5/2/2024 01:00 AM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	5/2/2024 01:00 AM
1,4-Dichlorobenzene	ND		1.20	µg/m3	1	5/2/2024 01:00 AM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: MS24-26; ODAS0003-53

Work Order: 24041473

Sample ID: SG-3

Lab ID: 24041473-03

Collection Date: 4/25/2024 01:18 PM

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		1.80	µg/m3	1	5/2/2024 01:00 AM
2-Butanone	ND		2.95	µg/m3	1	5/2/2024 01:00 AM
2-Hexanone	ND		4.10	µg/m3	1	5/2/2024 01:00 AM
2-Propanol	ND		2.46	µg/m3	1	5/2/2024 01:00 AM
4-Ethyltoluene	ND		2.46	µg/m3	1	5/2/2024 01:00 AM
4-Methyl-2-pentanone	ND		4.10	µg/m3	1	5/2/2024 01:00 AM
Acetone	14.4		2.38	µg/m3	1	5/2/2024 01:00 AM
Benzene	ND		1.60	µg/m3	1	5/2/2024 01:00 AM
Benzyl chloride	ND		2.55	µg/m3	1	5/2/2024 01:00 AM
Bromodichloromethane	ND		1.34	µg/m3	1	5/2/2024 01:00 AM
Bromoform	ND		5.17	µg/m3	1	5/2/2024 01:00 AM
Bromomethane	ND		1.94	µg/m3	1	5/2/2024 01:00 AM
Carbon disulfide	2.34		1.56	µg/m3	1	5/2/2024 01:00 AM
Carbon tetrachloride	ND		3.15	µg/m3	1	5/2/2024 01:00 AM
Chlorobenzene	ND		2.30	µg/m3	1	5/2/2024 01:00 AM
Chloroethane	ND		1.32	µg/m3	1	5/2/2024 01:00 AM
Chloroform	ND		0.976	µg/m3	1	5/2/2024 01:00 AM
Chloromethane	ND		1.03	µg/m3	1	5/2/2024 01:00 AM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	5/2/2024 01:00 AM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	5/2/2024 01:00 AM
Cumene	ND		2.46	µg/m3	1	5/2/2024 01:00 AM
Cyclohexane	ND		1.72	µg/m3	1	5/2/2024 01:00 AM
Dibromochloromethane	ND		4.26	µg/m3	1	5/2/2024 01:00 AM
Dichlorodifluoromethane	2.82		2.47	µg/m3	1	5/2/2024 01:00 AM
Ethyl acetate	ND		1.80	µg/m3	1	5/2/2024 01:00 AM
Ethylbenzene	ND		2.17	µg/m3	1	5/2/2024 01:00 AM
Freon 113	ND		3.83	µg/m3	1	5/2/2024 01:00 AM
Freon 114	ND		3.50	µg/m3	1	5/2/2024 01:00 AM
Heptane	ND		2.05	µg/m3	1	5/2/2024 01:00 AM
Hexachlorobutadiene	ND		2.13	µg/m3	1	5/2/2024 01:00 AM
Hexane	3.70		1.76	µg/m3	1	5/2/2024 01:00 AM
m,p-Xylene	ND		2.17	µg/m3	1	5/2/2024 01:00 AM
Methylene chloride	ND		7.00	µg/m3	1	5/2/2024 01:00 AM
MTBE	ND		1.80	µg/m3	1	5/2/2024 01:00 AM
Naphthalene	1.15		1.05	µg/m3	1	5/2/2024 01:00 AM
o-Xylene	ND		2.17	µg/m3	1	5/2/2024 01:00 AM
Propene	ND		0.861	µg/m3	1	5/2/2024 01:00 AM
Styrene	ND		2.13	µg/m3	1	5/2/2024 01:00 AM
Tetrachloroethene	ND		3.39	µg/m3	1	5/2/2024 01:00 AM
Tetrahydrofuran	ND		1.47	µg/m3	1	5/2/2024 01:00 AM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group

Project: MS24-26; ODAS0003-53

Sample ID: SG-3

Collection Date: 4/25/2024 01:18 PM

Work Order: 24041473

Lab ID: 24041473-03

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	ND		1.88	µg/m3	1	5/2/2024 01:00 AM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	5/2/2024 01:00 AM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	5/2/2024 01:00 AM
Trichloroethene	ND		1.07	µg/m3	1	5/2/2024 01:00 AM
Trichlorofluoromethane	13.4		2.81	µg/m3	1	5/2/2024 01:00 AM
Vinyl acetate	ND		3.52	µg/m3	1	5/2/2024 01:00 AM
Vinyl chloride	ND		1.28	µg/m3	1	5/2/2024 01:00 AM
Surr: Bromofluorobenzene	94.7		60-140	%REC	1	5/2/2024 01:00 AM

Note:

ALS Environmental

Date: 13-May-24

Client: The Mannik & Smith Group
Work Order: 24041473
Project: MS24-26; ODAS0003-53

QC BATCH REPORT

Batch ID: **R229107** Instrument ID **VMS4** Method: **ETO-15**

MBLK		Sample ID: mblk-R229107			Units: ppbv		Analysis Date: 5/1/2024 04:40 PM			
Client ID:		Run ID: VMS4_240501A			SeqNo: 3379426		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-Trichloroethane	ND	0.50								
1,1,2,2-Tetrachloroethane	ND	0.50								
1,1,2-Trichloroethane	ND	0.20								
1,1-Dichloroethane	ND	0.50								
1,1-Dichloroethene	ND	0.50								
1,2,4-Trichlorobenzene	ND	0.50								
1,2,4-Trimethylbenzene	ND	0.50								
1,2-Dibromoethane	ND	0.20								
1,2-Dichlorobenzene	ND	0.50								
1,2-Dichloroethane	ND	0.20								
1,2-Dichloropropane	ND	0.50								
1,3,5-Trimethylbenzene	ND	0.50								
1,3-Butadiene	ND	0.20								
1,3-Dichlorobenzene	ND	0.50								
1,4-Dichlorobenzene	ND	0.20								
1,4-Dioxane	ND	0.50								
2-Butanone	ND	1.0								
2-Hexanone	ND	1.0								
2-Propanol	ND	1.0								
4-Ethyltoluene	ND	0.50								
4-Methyl-2-pentanone	ND	1.0								
Acetone	ND	1.0								
Benzene	ND	0.50								
Benzyl chloride	ND	0.50								
Bromodichloromethane	ND	0.20								
Bromoform	ND	0.50								
Bromomethane	ND	0.50								
Carbon disulfide	ND	0.50								
Carbon tetrachloride	ND	0.50								
Chlorobenzene	ND	0.50								
Chloroethane	ND	0.50								
Chloroform	ND	0.20								
Chloromethane	ND	0.50								
cis-1,2-Dichloroethene	ND	0.50								
cis-1,3-Dichloropropene	ND	0.50								
Cumene	ND	0.50								
Cyclohexane	ND	0.50								
Dibromochloromethane	ND	0.50								
Dichlorodifluoromethane	ND	0.50								
Ethyl acetate	ND	0.50								
Ethylbenzene	ND	0.50								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group

Work Order: 24041473

Project: MS24-26; ODAS0003-53

QC BATCH REPORT

Batch ID: R229107	Instrument ID VMS4	Method: ETO-15					
Freon 113	ND	0.50					
Freon 114	ND	0.50					
Heptane	ND	0.50					
Hexachlorobutadiene	ND	0.20					
Hexane	ND	0.50					
m,p-Xylene	ND	0.50					
Methylene chloride	ND	2.0					
MTBE	ND	0.50					
Naphthalene	ND	0.20					
o-Xylene	ND	0.50					
Propene	ND	0.50					
Styrene	ND	0.50					
Tetrachloroethene	ND	0.50					
Tetrahydrofuran	ND	0.50					
Toluene	ND	0.50					
trans-1,2-Dichloroethene	ND	0.50					
trans-1,3-Dichloropropene	ND	0.50					
Trichloroethene	ND	0.20					
Trichlorofluoromethane	ND	0.50					
Vinyl acetate	ND	1.0					
Vinyl chloride	ND	0.50					
<i>Surr: Bromofluorobenzene</i>	8.96	0	10	0	89.6	60-140	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
 Work Order: 24041473
 Project: MS24-26; ODAS0003-53

QC BATCH REPORT

Batch ID: **R229107** Instrument ID **VMS4** Method: **ETO-15**

LCS		Sample ID: Ics-R229107				Units: ppbv		Analysis Date: 5/1/2024 03:11 PM		
Client ID:		Run ID: VMS4_240501A			SeqNo: 3379424		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-Trichloroethane	8.12	0.50	10	0	81.2	58.8-163	0			
1,1,2,2-Tetrachloroethane	8.99	0.50	10	0	89.9	60-140	0			
1,1,2-Trichloroethane	8.59	0.20	10	0	85.9	60-140	0			
1,1-Dichloroethane	7.48	0.50	10	0	74.8	60-140	0			
1,1-Dichloroethene	7.54	0.50	10	0	75.4	60-140	0			
1,2,4-Trichlorobenzene	13.81	0.50	10	0	138	49.3-150	0			
1,2,4-Trimethylbenzene	9.55	0.50	10	0	95.5	50.1-162	0			
1,2-Dibromoethane	9.08	0.20	10	0	90.8	60-140	0			
1,2-Dichlorobenzene	10.71	0.50	10	0	107	41.9-141	0			
1,2-Dichloroethane	7.87	0.20	10	0	78.7	60-140	0			
1,2-Dichloropropane	7.71	0.50	10	0	77.1	60-140	0			
1,3,5-Trimethylbenzene	9.25	0.50	10	0	92.5	60-140	0			
1,3-Butadiene	10.98	0.20	10	0	110	50.6-140	0			
1,3-Dichlorobenzene	11.03	0.50	10	0	110	60-140	0			
1,4-Dichlorobenzene	11.36	0.20	10	0	114	55.1-145	0			
1,4-Dioxane	8.19	0.50	10	0	81.9	60-140	0			
2-Butanone	8.16	1.0	10	0	81.6	60-140	0			
2-Hexanone	8.53	1.0	10	0	85.3	56.2-162	0			
2-Propanol	7.24	1.0	10	0	72.4	60-140	0			
4-Ethyltoluene	9.89	0.50	10	0	98.9	60-140	0			
4-Methyl-2-pentanone	7.82	1.0	10	0	78.2	60-140	0			
Acetone	6.24	1.0	10	0	62.4	60-140	0			
Benzene	7.79	0.50	10	0	77.9	60-140	0			
Benzyl chloride	9.68	0.50	10	0	96.8	31.9-174	0			
Bromodichloromethane	8.42	0.20	10	0	84.2	60-140	0			
Bromoform	9.09	0.50	10	0	90.9	60-140	0			
Bromomethane	9.15	0.50	10	0	91.5	60-140	0			
Carbon disulfide	7.88	0.50	10	0	78.8	60-140	0			
Carbon tetrachloride	8.84	0.50	10	0	88.4	60-140	0			
Chlorobenzene	8.58	0.50	10	0	85.8	60-140	0			
Chloroethane	7.51	0.50	10	0	75.1	60-140	0			
Chloroform	7.95	0.20	10	0	79.5	60-140	0			
Chloromethane	6.79	0.50	10	0	67.9	60-140	0			
cis-1,2-Dichloroethene	7.8	0.50	10	0	78	60-140	0			
cis-1,3-Dichloropropene	9.21	0.50	10	0	92.1	60-140	0			
Cumene	9.23	0.50	10	0	92.3	60-140	0			
Cyclohexane	8.04	0.50	10	0	80.4	60-140	0			
Dibromochloromethane	8.99	0.50	10	0	89.9	60-140	0			
Dichlorodifluoromethane	7.72	0.50	10	0	77.2	60-140	0			
Ethyl acetate	7.87	0.50	10	0	78.7	60-140	0			
Ethylbenzene	8.42	0.50	10	0	84.2	60-140	0			
Freon 113	8.11	0.50	10	0	81.1	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
Work Order: 24041473
Project: MS24-26; ODAS0003-53

QC BATCH REPORT

Batch ID: R229107	Instrument ID VMS4		Method: ETO-15					
Freon 114	7.71	0.50	10	0	77.1	60-140	0	
Heptane	7.16	0.50	10	0	71.6	60-140	0	
Hexachlorobutadiene	9.16	0.20	10	0	91.6	60-140	0	
Hexane	7.32	0.50	10	0	73.2	60-140	0	
m,p-Xylene	17.15	0.50	20	0	85.8	60-140	0	
Methylene chloride	6.57	2.0	10	0	65.7	60-140	0	
MTBE	7.76	0.50	10	0	77.6	60.8-151	0	
Naphthalene	13.6	0.20	10	0	136	53.1-152	0	
o-Xylene	8.43	0.50	10	0	84.3	60-140	0	
Propene	6.26	0.50	10	0	62.6	34.4-139	0	
Styrene	9.39	0.50	10	0	93.9	60-140	0	
Tetrachloroethene	9.01	0.50	10	0	90.1	60-140	0	
Tetrahydrofuran	7.01	0.50	10	0	70.1	60-140	0	
Toluene	8.26	0.50	10	0	82.6	60-140	0	
trans-1,2-Dichloroethene	8.04	0.50	10	0	80.4	60-140	0	
trans-1,3-Dichloropropene	8.16	0.50	10	0	81.6	60-140	0	
Trichloroethene	8.24	0.20	10	0	82.4	60-140	0	
Trichlorofluoromethane	8.12	0.50	10	0	81.2	60-140	0	
Vinyl acetate	7.4	1.0	10	0	74	48.4-145	0	
Vinyl chloride	8.85	0.50	10	0	88.5	60-140	0	
<i>Surr: Bromofluorobenzene</i>	<i>9.71</i>	<i>0</i>	<i>10</i>	<i>0</i>	<i>97.1</i>	<i>60-140</i>	<i>0</i>	

The following samples were analyzed in this batch:

24041473-01a	24041473-02A	24041473-03a
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
 Work Order: 24041473
 Project: MS24-26; ODAS0003-53

QC BATCH REPORT

Batch ID: **R229160** Instrument ID **VMS7** Method: **ETO-15**

MBLK		Sample ID: MBLK-R229160			Units: ppbv		Analysis Date: 5/2/2024 11:24 AM			
Client ID:		Run ID: VMS7_240502A			SeqNo: 3379596		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-Trichloroethane	ND	0.50								
1,1,2,2-Tetrachloroethane	ND	0.50								
1,1,2-Trichloroethane	ND	0.20								
1,1-Dichloroethane	ND	0.50								
1,1-Dichloroethene	ND	0.50								
1,2,4-Trichlorobenzene	ND	0.50								
1,2,4-Trimethylbenzene	ND	0.50								
1,2-Dibromoethane	ND	0.20								
1,2-Dichlorobenzene	ND	0.50								
1,2-Dichloroethane	ND	0.20								
1,2-Dichloropropane	ND	0.50								
1,3,5-Trimethylbenzene	ND	0.50								
1,3-Butadiene	ND	0.20								
1,3-Dichlorobenzene	ND	0.50								
1,4-Dichlorobenzene	ND	0.20								
1,4-Dioxane	ND	0.50								
2-Butanone	ND	1.0								
2-Hexanone	ND	1.0								
2-Propanol	0.102	1.0								J
4-Ethyltoluene	ND	0.50								
4-Methyl-2-pentanone	ND	1.0								
Acetone	ND	1.0								
Benzene	ND	0.50								
Benzyl chloride	ND	0.50								
Bromodichloromethane	ND	0.20								
Bromoform	ND	0.50								
Bromomethane	ND	0.50								
Carbon disulfide	ND	0.50								
Carbon tetrachloride	ND	0.50								
Chlorobenzene	ND	0.50								
Chloroethane	ND	0.50								
Chloroform	ND	0.20								
Chloromethane	ND	0.50								
cis-1,2-Dichloroethene	ND	0.50								
cis-1,3-Dichloropropene	ND	0.50								
Cumene	ND	0.50								
Cyclohexane	ND	0.50								
Dibromochloromethane	ND	0.50								
Dichlorodifluoromethane	ND	0.50								
Ethyl acetate	ND	0.50								
Ethylbenzene	ND	0.50								
Freon 113	ND	0.50								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group

Work Order: 24041473

Project: MS24-26; ODAS0003-53

QC BATCH REPORT

Batch ID: **R229160**

Instrument ID **VMS7**

Method: **ETO-15**

Freon 114	ND	0.50						
Heptane	ND	0.50						
Hexachlorobutadiene	ND	0.20						
Hexane	ND	0.50						
m,p-Xylene	ND	0.50						
Methylene chloride	ND	2.0						
MTBE	ND	0.50						
Naphthalene	ND	0.20						
o-Xylene	ND	0.50						
Propene	ND	0.50						
Styrene	ND	0.50						
Tetrachloroethene	ND	0.50						
Tetrahydrofuran	ND	0.50						
Toluene	ND	0.50						
trans-1,2-Dichloroethene	ND	0.50						
trans-1,3-Dichloropropene	ND	0.50						
Trichloroethene	ND	0.20						
Trichlorofluoromethane	ND	0.50						
Vinyl acetate	ND	1.0						
Vinyl chloride	ND	0.50						
<i>Surr: Bromofluorobenzene</i>	<i>10.84</i>	<i>0</i>	<i>10</i>	<i>0</i>	<i>108</i>	<i>60-140</i>	<i>0</i>	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
 Work Order: 24041473
 Project: MS24-26; ODAS0003-53

QC BATCH REPORT

Batch ID: **R229160** Instrument ID **VMS7** Method: **ETO-15**

LCS		Sample ID: LCS-R229160				Units: ppbv		Analysis Date: 5/2/2024 10:36 AM		
Client ID:		Run ID: VMS7_240502A			SeqNo: 3379595		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-Trichloroethane	8.558	0.50	10	0	85.6	58.8-163	0			
1,1,2,2-Tetrachloroethane	8.639	0.50	10	0	86.4	60-140	0			
1,1,2-Trichloroethane	9.28	0.20	10	0	92.8	60-140	0			
1,1-Dichloroethane	8.428	0.50	10	0	84.3	60-140	0			
1,1-Dichloroethene	8.327	0.50	10	0	83.3	60-140	0			
1,2,4-Trichlorobenzene	5.78	0.50	10	0	57.8	49.3-150	0			
1,2,4-Trimethylbenzene	8.216	0.50	10	0	82.2	50.1-162	0			
1,2-Dibromoethane	10.05	0.20	10	0	100	60-140	0			
1,2-Dichlorobenzene	6.934	0.50	10	0	69.3	41.9-141	0			
1,2-Dichloroethane	8.357	0.20	10	0	83.6	60-140	0			
1,2-Dichloropropane	9.052	0.50	10	0	90.5	60-140	0			
1,3,5-Trimethylbenzene	8.172	0.50	10	0	81.7	60-140	0			
1,3-Butadiene	8.83	0.20	10	0	88.3	50.6-140	0			
1,3-Dichlorobenzene	6.744	0.50	10	0	67.4	60-140	0			
1,4-Dichlorobenzene	6.363	0.20	10	0	63.6	55.1-145	0			
1,4-Dioxane	7.937	0.50	10	0	79.4	60-140	0			
2-Butanone	9.128	1.0	10	0	91.3	60-140	0			
2-Hexanone	11.28	1.0	10	0	113	56.2-162	0			
2-Propanol	6.639	1.0	10	0	66.4	60-140	0			
4-Ethyltoluene	8.229	0.50	10	0	82.3	60-140	0			
4-Methyl-2-pentanone	10.91	1.0	10	0	109	60-140	0			
Acetone	9.159	1.0	10	0	91.6	60-140	0			
Benzene	7.723	0.50	10	0	77.2	60-140	0			
Benzyl chloride	7.15	0.50	10	0	71.5	31.9-174	0			
Bromodichloromethane	9.65	0.20	10	0	96.5	60-140	0			
Bromoform	8.145	0.50	10	0	81.4	60-140	0			
Bromomethane	9.022	0.50	10	0	90.2	60-140	0			
Carbon disulfide	7.135	0.50	10	0	71.4	60-140	0			
Carbon tetrachloride	7.632	0.50	10	0	76.3	60-140	0			
Chlorobenzene	7.07	0.50	10	0	70.7	60-140	0			
Chloroethane	8.196	0.50	10	0	82	60-140	0			
Chloroform	8.378	0.20	10	0	83.8	60-140	0			
Chloromethane	8.56	0.50	10	0	85.6	60-140	0			
cis-1,2-Dichloroethene	8.574	0.50	10	0	85.7	60-140	0			
cis-1,3-Dichloropropene	10.77	0.50	10	0	108	60-140	0			
Cumene	7.952	0.50	10	0	79.5	60-140	0			
Cyclohexane	7.495	0.50	10	0	75	60-140	0			
Dibromochloromethane	10.19	0.50	10	0	102	60-140	0			
Dichlorodifluoromethane	7.986	0.50	10	0	79.9	60-140	0			
Ethyl acetate	8.67	0.50	10	0	86.7	60-140	0			
Ethylbenzene	7.586	0.50	10	0	75.9	60-140	0			
Freon 113	7.805	0.50	10	0	78	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
Work Order: 24041473
Project: MS24-26; ODAS0003-53

QC BATCH REPORT

Batch ID: R229160	Instrument ID VMS7		Method: ETO-15					
Freon 114	8.385	0.50	10	0	83.8	60-140	0	
Heptane	8.343	0.50	10	0	83.4	60-140	0	
Hexachlorobutadiene	7.698	0.20	10	0	77	60-140	0	
Hexane	8.999	0.50	10	0	90	60-140	0	
m,p-Xylene	15.39	0.50	20	0	76.9	60-140	0	
Methylene chloride	8.446	2.0	10	0	84.5	60-140	0	
MTBE	9.002	0.50	10	0	90	60.8-151	0	
Naphthalene	6.038	0.20	10	0	60.4	53.1-152	0	
o-Xylene	8.021	0.50	10	0	80.2	60-140	0	
Propene	8.404	0.50	10	0	84	34.4-139	0	
Styrene	8.897	0.50	10	0	89	60-140	0	
Tetrachloroethene	8.729	0.50	10	0	87.3	60-140	0	
Tetrahydrofuran	8.88	0.50	10	0	88.8	60-140	0	
Toluene	9.139	0.50	10	0	91.4	60-140	0	
trans-1,2-Dichloroethene	7.633	0.50	10	0	76.3	60-140	0	
trans-1,3-Dichloropropene	10.08	0.50	10	0	101	60-140	0	
Trichloroethene	8.541	0.20	10	0	85.4	60-140	0	
Trichlorofluoromethane	8.175	0.50	10	0	81.8	60-140	0	
Vinyl acetate	11.13	1.0	10	0	111	48.4-145	0	
Vinyl chloride	8.562	0.50	10	0	85.6	60-140	0	
<i>Surr: Bromofluorobenzene</i>	<i>8.895</i>	<i>0</i>	<i>10</i>	<i>0</i>	<i>89</i>	<i>60-140</i>	<i>0</i>	

The following samples were analyzed in this batch:

24041473-01A

Client: The Mannik & Smith Group
 Work Order: 24041473
 Project: MS24-26; ODAS0003-53

QC BATCH REPORT

Batch ID: **R229192** Instrument ID **VMS4** Method: **ETO-15**

MBLK		Sample ID: MBLK-R229192			Units: ppbv		Analysis Date: 5/3/2024 10:41 AM			
Client ID:		Run ID: VMS4_240503A			SeqNo: 3380451		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-Trichloroethane	ND	0.50								
1,1,2,2-Tetrachloroethane	ND	0.50								
1,1,2-Trichloroethane	ND	0.20								
1,1-Dichloroethane	ND	0.50								
1,1-Dichloroethene	ND	0.50								
1,2,4-Trichlorobenzene	ND	0.50								
1,2,4-Trimethylbenzene	ND	0.50								
1,2-Dibromoethane	ND	0.20								
1,2-Dichlorobenzene	ND	0.50								
1,2-Dichloroethane	ND	0.20								
1,2-Dichloropropane	ND	0.50								
1,3,5-Trimethylbenzene	ND	0.50								
1,3-Butadiene	ND	0.20								
1,3-Dichlorobenzene	0.11	0.50								J
1,4-Dichlorobenzene	0.114	0.20								J
1,4-Dioxane	ND	0.50								
2-Butanone	ND	1.0								
2-Hexanone	ND	1.0								
2-Propanol	ND	1.0								
4-Ethyltoluene	ND	0.50								
4-Methyl-2-pentanone	ND	1.0								
Acetone	ND	1.0								
Benzene	ND	0.50								
Benzyl chloride	ND	0.50								
Bromodichloromethane	ND	0.20								
Bromoform	ND	0.50								
Bromomethane	ND	0.50								
Carbon disulfide	ND	0.50								
Carbon tetrachloride	ND	0.50								
Chlorobenzene	ND	0.50								
Chloroethane	ND	0.50								
Chloroform	ND	0.20								
Chloromethane	ND	0.50								
cis-1,2-Dichloroethene	ND	0.50								
cis-1,3-Dichloropropene	ND	0.50								
Cumene	ND	0.50								
Cyclohexane	ND	0.50								
Dibromochloromethane	ND	0.50								
Dichlorodifluoromethane	ND	0.50								
Ethyl acetate	ND	0.50								
Ethylbenzene	ND	0.50								
Freon 113	ND	0.50								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group

Work Order: 24041473

Project: MS24-26; ODAS0003-53

QC BATCH REPORT

Batch ID: R229192	Instrument ID VMS4	Method: ETO-15						
Freon 114	ND	0.50						
Heptane	ND	0.50						
Hexachlorobutadiene	ND	0.20						
Hexane	ND	0.50						
m,p-Xylene	ND	0.50						
Methylene chloride	ND	2.0						
MTBE	ND	0.50						
Naphthalene	0.188	0.20					J	
o-Xylene	ND	0.50						
Propene	ND	0.50						
Styrene	ND	0.50						
Tetrachloroethene	ND	0.50						
Tetrahydrofuran	ND	0.50						
Toluene	ND	0.50						
trans-1,2-Dichloroethene	ND	0.50						
trans-1,3-Dichloropropene	ND	0.50						
Trichloroethene	ND	0.20						
Trichlorofluoromethane	ND	0.50						
Vinyl acetate	ND	1.0						
Vinyl chloride	ND	0.50						
<i>Surr: Bromofluorobenzene</i>	<i>9.02</i>	<i>0</i>	<i>10</i>	<i>0</i>	<i>90.2</i>	<i>60-140</i>	<i>0</i>	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
 Work Order: 24041473
 Project: MS24-26; ODAS0003-53

QC BATCH REPORT

Batch ID: **R229192** Instrument ID **VMS4** Method: **ETO-15**

LCS		Sample ID: Ics-R229192				Units: ppbv		Analysis Date: 5/3/2024 09:42 AM		
Client ID:		Run ID: VMS4_240503A			SeqNo: 3380450		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-Trichloroethane	8.809	0.50	10	0	88.1	58.8-163	0			
1,1,2,2-Tetrachloroethane	9.653	0.50	10	0	96.5	60-140	0			
1,1,2-Trichloroethane	9.556	0.20	10	0	95.6	60-140	0			
1,1-Dichloroethane	8.102	0.50	10	0	81	60-140	0			
1,1-Dichloroethene	8.217	0.50	10	0	82.2	60-140	0			
1,2,4-Trichlorobenzene	14.99	0.50	10	0	150	49.3-150	0			
1,2-Dibromoethane	9.8	0.20	10	0	98	60-140	0			
1,2-Dichlorobenzene	11.06	0.50	10	0	111	41.9-141	0			
1,2-Dichloroethane	8.333	0.20	10	0	83.3	60-140	0			
1,2-Dichloropropane	8.65	0.50	10	0	86.5	60-140	0			
1,3,5-Trimethylbenzene	9.43	0.50	10	0	94.3	60-140	0			
1,3-Butadiene	6.243	0.20	10	0	62.4	50.6-140	0			
1,3-Dichlorobenzene	11.69	0.50	10	0	117	60-140	0			
1,4-Dichlorobenzene	11.86	0.20	10	0	119	55.1-145	0			
1,4-Dioxane	9.233	0.50	10	0	92.3	60-140	0			
2-Butanone	8.628	1.0	10	0	86.3	60-140	0			
2-Hexanone	9.234	1.0	10	0	92.3	56.2-162	0			
2-Propanol	7.373	1.0	10	0	73.7	60-140	0			
4-Ethyltoluene	10.36	0.50	10	0	104	60-140	0			
Acetone	6.629	1.0	10	0	66.3	60-140	0			
Benzene	8.514	0.50	10	0	85.1	60-140	0			
Benzyl chloride	10.16	0.50	10	0	102	31.9-174	0			
Bromodichloromethane	9.366	0.20	10	0	93.7	60-140	0			
Bromoform	9.789	0.50	10	0	97.9	60-140	0			
Bromomethane	10.53	0.50	10	0	105	60-140	0			
Carbon disulfide	8.517	0.50	10	0	85.2	60-140	0			
Carbon tetrachloride	9.573	0.50	10	0	95.7	60-140	0			
Chlorobenzene	9.153	0.50	10	0	91.5	60-140	0			
Chloroethane	8.962	0.50	10	0	89.6	60-140	0			
Chloroform	8.692	0.20	10	0	86.9	60-140	0			
Chloromethane	7.341	0.50	10	0	73.4	60-140	0			
cis-1,2-Dichloroethene	8.25	0.50	10	0	82.5	60-140	0			
cis-1,3-Dichloropropene	9.799	0.50	10	0	98	60-140	0			
Cumene	9.901	0.50	10	0	99	60-140	0			
Cyclohexane	8.576	0.50	10	0	85.8	60-140	0			
Dibromochloromethane	9.862	0.50	10	0	98.6	60-140	0			
Dichlorodifluoromethane	8.493	0.50	10	0	84.9	60-140	0			
Ethyl acetate	8.486	0.50	10	0	84.9	60-140	0			
Ethylbenzene	9.077	0.50	10	0	90.8	60-140	0			
Freon 113	8.977	0.50	10	0	89.8	60-140	0			
Freon 114	8.577	0.50	10	0	85.8	60-140	0			
Heptane	7.61	0.50	10	0	76.1	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: The Mannik & Smith Group
Work Order: 24041473
Project: MS24-26; ODAS0003-53

QC BATCH REPORT

Batch ID: R229192	Instrument ID VMS4		Method: ETO-15					
Hexachlorobutadiene	9.532	0.20	10	0	95.3	60-140	0	
Hexane	7.833	0.50	10	0	78.3	60-140	0	
Methylene chloride	6.881	2.0	10	0	68.8	60-140	0	
MTBE	8.5	0.50	10	0	85	60.8-151	0	
Naphthalene	14.77	0.20	10	0	148	53.1-152	0	
o-Xylene	9.08	0.50	10	0	90.8	60-140	0	
Propene	6.749	0.50	10	0	67.5	34.4-139	0	
Styrene	9.991	0.50	10	0	99.9	60-140	0	
Tetrachloroethene	9.682	0.50	10	0	96.8	60-140	0	
Tetrahydrofuran	7.674	0.50	10	0	76.7	60-140	0	
Toluene	8.877	0.50	10	0	88.8	60-140	0	
trans-1,2-Dichloroethene	8.874	0.50	10	0	88.7	60-140	0	
trans-1,3-Dichloropropene	8.635	0.50	10	0	86.4	60-140	0	
Trichloroethene	9.103	0.20	10	0	91	60-140	0	
Trichlorofluoromethane	8.9	0.50	10	0	89	60-140	0	
Vinyl acetate	7.797	1.0	10	0	78	48.4-145	0	
Vinyl chloride	8.851	0.50	10	0	88.5	60-140	0	
<i>Surr: Bromofluorobenzene</i>	<i>9.567</i>	<i>0</i>	<i>10</i>	<i>0</i>	<i>95.7</i>	<i>60-140</i>	<i>0</i>	

The following samples were analyzed in this batch:

24041473-01a

Client: The Mannik & Smith Group
Project: MS24-26; ODAS0003-53
WorkOrder: 24041473

**QUALIFIERS,
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
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

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SDL	Sample Detection Limit
SW	SW-846 Method

<u>Units Reported</u>	<u>Description</u>
µg/m3	
none	
ppbv	

Sample Receipt Checklist

Client Name: **MANNIK-MAUMEE**

Date/Time Received: **29-Apr-24 13:00**

Work Order: **24041473**

Received by: **DS**

Checklist completed by **Chantel.Allen**

29-Apr-24

Reviewed by: **Rob Nieman**

03-May-24

eSignature

Date

eSignature

Date

Matrices: Air

Carrier name: Courier

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):

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage: 4/29/2024 18:56

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:

**APPENDIX D
VISL RESULTS**



Resident Vapor Intrusion Screening Levels (VISL)

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.

Chemical	CAS Number	Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1)	Does the chemical have inhalation toxicity data? (IUR and/or RfC)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Soil Source? (C _{vp} > C _{ia,c} Target?)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Groundwater Source? (C _{hc} > C _{ia,b} Target?)	Target Indoor Air Concentration (TCR=1E-05 or THQ=1) MIN(C _{ia,c} , C _{ia,nc}) (µg/m ³)	Toxicity Basis	Target Sub-Slab and Near-source Soil Gas Concentration (TCR=1E-05 or THQ=1) C _{sg} Target (µg/m ³)	Target Groundwater Concentration (TCR=1E-05 or THQ=1) C _{gw} Target (µg/L)	Is Target Groundwater Concentration < MCL? (C _{gw} < MCL?)	Pure Phase Vapor Concentration C _{vp} (25 °C) (µg/m ³)	Maximum Groundwater Vapor Concentration C _{hc} (µg/m ³)	Temperature for Maximum Groundwater Vapor Concentration (°C)	Lower Explosive Limit LEL (% by volume)	LEL Ref	IUR (ug/m ³) ⁻¹	IUR Ref	RfC (mg/m ³)	RfC Ref	Mutagenic Indicator	Carcinogenic VISL TCR=1E-05 C _{ia,c} (µg/m ³)	Noncarcinogenic VISL THQ=1 C _{ia,nc} (µg/m ³)
Acetone	67-64-1	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-		7.23E+08	1.43E+09	2.50E+01	2.50E+00	CRC	-		-		No	-	-
Benzene	71-43-2	Yes	Yes	Yes	Yes	3.60	CA	120	1.59E+01	No (5)	3.98E+08	4.06E+08	2.50E+01	1.20E+00	CRC	7.80E-06	I	3.00E-02	I	No	3.60E+00	3.13E+01
Butadiene, 1,3-	106-99-0	Yes	Yes	Yes	Yes	0.94	CA	31.2	3.11E-01	--	6.13E+09	2.21E+09	2.50E+01	2.00E+00	CRC	3.00E-05	I	2.00E-03	I	No	9.36E-01	2.09E+00
Carbon Disulfide	75-15-0	Yes	Yes	Yes	Yes	730	NC	24,300	1.24E+03	--	1.47E+09	1.27E+09	2.50E+01	1.30E+00	CRC	-		7.00E-01	I	No	-	7.30E+02
Chloroform	67-66-3	Yes	Yes	Yes	Yes	1.22	CA	40.7	8.14E+00	Yes (80)	1.26E+09	1.19E+09	2.50E+01	-		2.30E-05	I	1.95E-03	A	No	1.22E+00	2.03E+00
Cyclohexane	110-82-7	Yes	Yes	Yes	Yes	6,260	NC	209,000	1.02E+03	--	4.38E+08	3.37E+08	2.50E+01	1.30E+00	CRC	-		6.00E+00	I	No	-	6.26E+03
Dichlorodifluoromethane	75-71-8	Yes	Yes	Yes	Yes	104	NC	3,480	7.44E+00	--	3.15E+10	3.93E+09	2.50E+01	-		-		1.00E-01	X	No	-	1.04E+02
Ethylbenzene	100-41-4	Yes	Yes	Yes	Yes	11.2	CA	374	3.49E+01	Yes (700)	5.48E+07	5.44E+07	2.50E+01	8.00E-01	CRC	2.50E-06	C	1.00E+00	I	No	1.12E+01	1.04E+03
Heptane, N-	142-82-5	Yes	Yes	Yes	Yes	417	NC	13,900	5.10E+00	--	2.48E+08	2.78E+08	2.50E+01	1.05E+00	CRC	-		4.00E-01	P	No	-	4.17E+02
Hexane, N-	110-54-3	Yes	Yes	Yes	Yes	730	NC	24,300	9.92E+00	--	7.01E+08	6.99E+08	2.50E+01	1.10E+00	CRC	-		7.00E-01	I	No	-	7.30E+02
Naphthalene	91-20-3	Yes	Yes	Yes	Yes	0.83	CA	27.5	4.59E+01	--	5.86E+05	5.58E+05	2.50E+01	9.00E-01	CRC	3.40E-05	C	3.00E-03	I	No	8.26E-01	3.13E+00
Propylene	115-07-1	Yes	Yes	Yes	Yes	3,130	NC	104,000	3.90E+02	--	1.97E+10	1.60E+09	2.50E+01	2.00E+00	CRC	-		3.00E+00	C	No	-	3.13E+03
Toluene	108-88-3	Yes	Yes	Yes	Yes	5,210	NC	174,000	1.92E+04	No (1000)	1.41E+08	1.43E+08	2.50E+01	1.10E+00	CRC	-		5.00E+00	I	No	-	5.21E+03
Trichloroethane, 1,1,1-	71-55-6	Yes	Yes	Yes	Yes	5,210	NC	174,000	7.42E+03	No (200)	8.90E+08	9.07E+08	2.50E+01	8.00E+00	CRC	-		5.00E+00	I	No	-	5.21E+03
Trichlorofluoromethane	75-69-4	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-		5.93E+09	4.36E+09	2.50E+01	-		-		-		No	-	-
Trimethylbenzene, 1,2,4-	95-63-6	Yes	Yes	Yes	Yes	62.6	NC	2,090	2.48E+02	--	1.36E+07	1.44E+07	2.50E+01	9.00E-01	CRC	-		6.00E-02	I	No	-	6.26E+01
Xylenes	1330-20-7	Yes	Yes	Yes	Yes	104	NC	3,480	3.85E+02	Yes (10000)	4.56E+07	2.87E+07	2.50E+01	-		-		1.00E-01	I	No	-	1.04E+02

Resident Vapor Intrusion Risk

Chemical	CAS Number	Site Sub-Slab and Exterior Soil Gas Concentration C _{sg} (µg/m ³)	Site Indoor Air Concentration C _{i,a} (µg/m ³)	VI Carcinogenic Risk CDI (µg/m ³)	VI Carcinogenic Risk CR	VI Hazard CDI (mg/m ³)	VI Hazard HQ	IUR (ug/m ³) ⁻¹	IUR Ref	Chronic RfC (mg/m ³)	RfC Ref	°C Temperature () for Groundwater Vapor Concentration	Mutagen?
Acetone	67-64-1	2.07E+01	-	-	-	-	-	-		-		2.50E+01	No
Benzene	71-43-2	9.04E+00	0.27	9.66E-02	7.53E-07	2.60E-04	8.67E-03	7.80E-06	I	3.00E-02	I	2.50E+01	No
Butadiene, 1,3-	106-99-0	6.42E-01	0.02	6.86E-03	2.06E-07	1.85E-05	9.23E-03	3.00E-05	I	2.00E-03	I	2.50E+01	No
Carbon Disulfide	75-15-0	1.44E+01	0.43	1.54E-01	-	4.14E-04	5.92E-04	-		7.00E-01	I	2.50E+01	No
Chloroform	67-66-3	4.20E+00	0.13	4.49E-02	1.03E-06	1.21E-04	6.20E-02	2.30E-05	I	1.95E-03	A	2.50E+01	No
Cyclohexane	110-82-7	3.63E+01	1.09	3.88E-01	-	1.04E-03	1.74E-04	-		6.00E+00	I	2.50E+01	No
Dichlorodifluoromethane	75-71-8	4.01E+00	0.12	4.28E-02	-	1.15E-04	1.15E-03	-		1.00E-01	X	2.50E+01	No
Ethylbenzene	100-41-4	8.51E+00	0.26	9.09E-02	2.27E-07	2.45E-04	2.45E-04	2.50E-06	C	1.00E+00	I	2.50E+01	No
Heptane, N-	142-82-5	1.96E+01	0.59	2.09E-01	-	5.64E-04	1.41E-03	-		4.00E-01	P	2.50E+01	No
Hexane, N-	110-54-3	6.14E+01	1.84	6.56E-01	-	1.77E-03	2.52E-03	-		7.00E-01	I	2.50E+01	No
Naphthalene	91-20-3	1.73E+00	0.05	1.85E-02	6.28E-07	4.98E-05	1.66E-02	3.40E-05	C	3.00E-03	I	2.50E+01	No
Propylene	115-07-1	1.11E+01	0.33	1.19E-01	-	3.19E-04	1.06E-04	-		3.00E+00	C	2.50E+01	No
Toluene	108-88-3	1.84E+01	0.55	1.97E-01	-	5.29E-04	1.06E-04	-		5.00E+00	I	2.50E+01	No
Trichloroethane, 1,1,1-	71-55-6	2.78E+00	0.08	2.97E-02	-	8.00E-05	1.60E-05	-		5.00E+00	I	2.50E+01	No
Trichlorofluoromethane	75-69-4	1.34E+01	-	-	-	-	-	-		-		2.50E+01	No
Trimethylbenzene, 1,2,4-	95-63-6	4.33E+00	0.13	4.63E-02	-	1.25E-04	2.08E-03	-		6.00E-02	I	2.50E+01	No
Xylenes	1330-20-7	7.00E+01	2.10	7.48E-01	-	2.01E-03	2.01E-02	-		1.00E-01	I	2.50E+01	No
*Sum		-	-	-	2.85E-06	-	1.25E-01	-		-		-	

Commercial Vapor Intrusion Screening Levels (VISL)

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.

Chemical	CAS Number	Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1)	Does the chemical have inhalation toxicity data? (IUR and/or RfC)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Soil Source? (C _{vp} > C _{ia,c} , Target?)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Groundwater Source? (C _{hc} > C _{ia,c} , Target?)	Target Indoor Air Concentration (TCR=1E-05 or THQ=1) MIN(C _{ia,c} , C _{ia,nc}) (µg/m ³)	Toxicity Basis	Target Sub-Slab and Near-source Soil Gas Concentration (TCR=1E-05 or THQ=1) C _{sg} , Target (µg/m ³)	Target Groundwater Concentration (TCR=1E-05 or THQ=1) C _{gw} , Target (µg/L)	Is Target Groundwater Concentration < MCL? (C _{gw} < MCL?)	Pure Phase Vapor Concentration C _{vp} (25 °C) (µg/m ³)	Maximum Groundwater Vapor Concentration C _{hc} (µg/m ³)	Temperature for Maximum Groundwater Vapor Concentration (°C)	Lower Explosive Limit LEL (% by volume)	LEL Ref	IUR (ug/m ³) ⁻¹	IUR Ref	RfC (mg/m ³)	RfC Ref	Mutagenic Indicator	Carcinogenic VISL TCR=1E-05 C _{ia,c} (µg/m ³)	Noncarcinogenic VISL THQ=1 C _{ia,nc} (µg/m ³)
Acetone	67-64-1	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-		7.23E+08	1.43E+09	2.50E+01	2.50E+00	CRC	-		-		No	-	-
Benzene	71-43-2	Yes	Yes	Yes	Yes	1.57E+01	CA	524	6.93E+01	No (5)	3.98E+08	4.06E+08	2.50E+01	1.20E+00	CRC	7.80E-06	I	3.00E-02	I	No	1.57E+01	1.31E+02
Butadiene, 1,3-	106-99-0	Yes	Yes	Yes	Yes	4.09E+00	CA	136	1.36E+00	--	6.13E+09	2.21E+09	2.50E+01	2.00E+00	CRC	3.00E-05	I	2.00E-03	I	No	4.09E+00	8.76E+00
Carbon Disulfide	75-15-0	Yes	Yes	Yes	Yes	3.07E+03	NC	102,000	5.21E+03	--	1.47E+09	1.27E+09	2.50E+01	1.30E+00	CRC	-		7.00E-01	I	No	-	3.07E+03
Chloroform	67-66-3	Yes	Yes	Yes	Yes	5.33E+00	CA	178	3.55E+01	Yes (80)	1.26E+09	1.19E+09	2.50E+01	-		2.30E-05	I	1.95E-03	A	No	5.33E+00	8.54E+00
Cyclohexane	110-82-7	Yes	Yes	Yes	Yes	2.63E+04	NC	876,000	4.29E+03	--	4.38E+08	3.37E+08	2.50E+01	1.30E+00	CRC	-		6.00E+00	I	No	-	2.63E+04
Dichlorodifluoromethane	75-71-8	Yes	Yes	Yes	Yes	4.38E+02	NC	14,600	3.12E+01	--	3.15E+10	3.93E+09	2.50E+01	-		-		1.00E-01	X	No	-	4.38E+02
Ethylbenzene	100-41-4	Yes	Yes	Yes	Yes	4.91E+01	CA	1,640	1.52E+02	Yes (700)	5.48E+07	5.44E+07	2.50E+01	8.00E-01	CRC	2.50E-06	C	1.00E+00	I	No	4.91E+01	4.38E+03
Heptane, N-	142-82-5	Yes	Yes	Yes	Yes	1.75E+03	NC	58,400	2.14E+01	--	2.48E+08	2.78E+08	2.50E+01	1.05E+00	CRC	-		4.00E-01	P	No	-	1.75E+03
Hexane, N-	110-54-3	Yes	Yes	Yes	Yes	3.07E+03	NC	102,000	4.17E+01	--	7.01E+08	6.99E+08	2.50E+01	1.10E+00	CRC	-		7.00E-01	I	No	-	3.07E+03
Naphthalene	91-20-3	Yes	Yes	Yes	Yes	3.61E+00	CA	120	2.01E+02	--	5.86E+05	5.58E+05	2.50E+01	9.00E-01	CRC	3.40E-05	C	3.00E-03	I	No	3.61E+00	1.31E+01
Propylene	115-07-1	Yes	Yes	Yes	Yes	1.31E+04	NC	438,000	1.64E+03	--	1.97E+10	1.60E+09	2.50E+01	2.00E+00	CRC	-		3.00E+00	C	No	-	1.31E+04
Toluene	108-88-3	Yes	Yes	Yes	Yes	2.19E+04	NC	730,000	8.07E+04	No (1000)	1.41E+08	1.43E+08	2.50E+01	1.10E+00	CRC	-		5.00E+00	I	No	-	2.19E+04
Trichloroethane, 1,1,1-	71-55-6	Yes	Yes	Yes	Yes	2.19E+04	NC	730,000	3.11E+04	No (200)	8.90E+08	9.07E+08	2.50E+01	8.00E+00	CRC	-		5.00E+00	I	No	-	2.19E+04
Trichlorofluoromethane	75-69-4	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-		5.93E+09	4.36E+09	2.50E+01	-		-		-		No	-	-
Trimethylbenzene, 1,2,4-	95-63-6	Yes	Yes	Yes	Yes	2.63E+02	NC	8,760	1.04E+03	--	1.36E+07	1.44E+07	2.50E+01	9.00E-01	CRC	-		6.00E-02	I	No	-	2.63E+02
Xylenes	1330-20-7	Yes	Yes	Yes	Yes	4.38E+02	NC	14,600	1.62E+03	Yes (10000)	4.56E+07	2.87E+07	2.50E+01	-		-		1.00E-01	I	No	-	4.38E+02

Commercial Vapor Intrusion Risk

Chemical	CAS Number	Site Sub-Slab and Exterior Soil Gas Concentration C _{sg} (µg/m ³)	Site Indoor Air Concentration C _{i,a} (µg/m ³)	VI Carcinogenic Risk CDI (µg/m ³)	VI Carcinogenic Risk CR	VI Hazard CDI (mg/m ³)	VI Hazard HQ	IUR (ug/m ³) ⁻¹	IUR Ref	Chronic RfC (mg/m ³)	RfC Ref	°C	Mutagen?
												Temperature () for Groundwater Vapor Concentration	
Acetone	67-64-1	2.07E+01	-	-	-	-	-	-	-	-	-	2.50E+01	No
Benzene	71-43-2	9.04E+00	0.27	2.21E-02	1.72E-07	6.19E-05	2.06E-03	7.80E-06	I	3.00E-02	I	2.50E+01	No
Butadiene, 1,3-	106-99-0	6.42E-01	0.02	1.57E-03	4.71E-08	4.40E-06	2.20E-03	3.00E-05	I	2.00E-03	I	2.50E+01	No
Carbon Disulfide	75-15-0	1.44E+01	0.43	3.52E-02	-	9.86E-05	1.41E-04	-	-	7.00E-01	I	2.50E+01	No
Chloroform	67-66-3	4.20E+00	0.13	1.03E-02	2.36E-07	2.88E-05	1.48E-02	2.30E-05	I	1.95E-03	A	2.50E+01	No
Cyclohexane	110-82-7	3.63E+01	1.09	8.88E-02	-	2.49E-04	4.14E-05	-	-	6.00E+00	I	2.50E+01	No
Dichlorodifluoromethane	75-71-8	4.01E+00	0.12	9.81E-03	-	2.75E-05	2.75E-04	-	-	1.00E-01	X	2.50E+01	No
Ethylbenzene	100-41-4	8.51E+00	0.26	2.08E-02	5.20E-08	5.83E-05	5.83E-05	2.50E-06	C	1.00E+00	I	2.50E+01	No
Heptane, N-	142-82-5	1.96E+01	0.59	4.79E-02	-	1.34E-04	3.36E-04	-	-	4.00E-01	P	2.50E+01	No
Hexane, N-	110-54-3	6.14E+01	1.84	1.50E-01	-	4.21E-04	6.01E-04	-	-	7.00E-01	I	2.50E+01	No
Naphthalene	91-20-3	1.73E+00	0.05	4.23E-03	1.44E-07	1.18E-05	3.95E-03	3.40E-05	C	3.00E-03	I	2.50E+01	No
Propylene	115-07-1	1.11E+01	0.33	2.72E-02	-	7.60E-05	2.53E-05	-	-	3.00E+00	C	2.50E+01	No
Toluene	108-88-3	1.84E+01	0.55	4.50E-02	-	1.26E-04	2.52E-05	-	-	5.00E+00	I	2.50E+01	No
Trichloroethane, 1,1,1-	71-55-6	2.78E+00	0.08	6.80E-03	-	1.90E-05	3.81E-06	-	-	5.00E+00	I	2.50E+01	No
Trichlorofluoromethane	75-69-4	1.34E+01	-	-	-	-	-	-	-	-	-	2.50E+01	No
Trimethylbenzene, 1,2,4-	95-63-6	4.33E+00	0.13	1.06E-02	-	2.97E-05	4.94E-04	-	-	6.00E-02	I	2.50E+01	No
Xylenes	1330-20-7	7.00E+01	2.10	1.71E-01	-	4.79E-04	4.79E-03	-	-	1.00E-01	I	2.50E+01	No
<i>*Sum</i>		-	-	-	6.52E-07	-	2.98E-02	-	-	-	-	-	