



environmental consulting solutions
523 W. Sunnybrook Drive, Royal Oak, Michigan 48073

June 26, 2024

Jennifer Hall
Ann Arbor Housing Development Corporation
200 S. Industrial Highway
Ann Arbor, MI 48104

**RE: Phase II Environmental Site Assessment Report
123 W. Summit
Ann Arbor, Michigan
Project A121-0001-04**

Dear Ms. Hall:

Environmental Consulting Solutions, LLC (ECS) has completed the Phase II Environmental Site Assessment (ESA) at the above referenced property. The attached Phase II ESA Report provides a summary of the site assessment activities conducted and associated findings.

We are pleased to provide this service and hope that we can be of service in the future. Should you have any questions or require further information, please do not hesitate to call us at (248) 763-3639.

Respectfully submitted,
Environmental Consulting Solutions, LLC

A handwritten signature in black ink that reads 'Julie Pratt' in a cursive style.

Julie Anna Pratt
Senior Project Professional

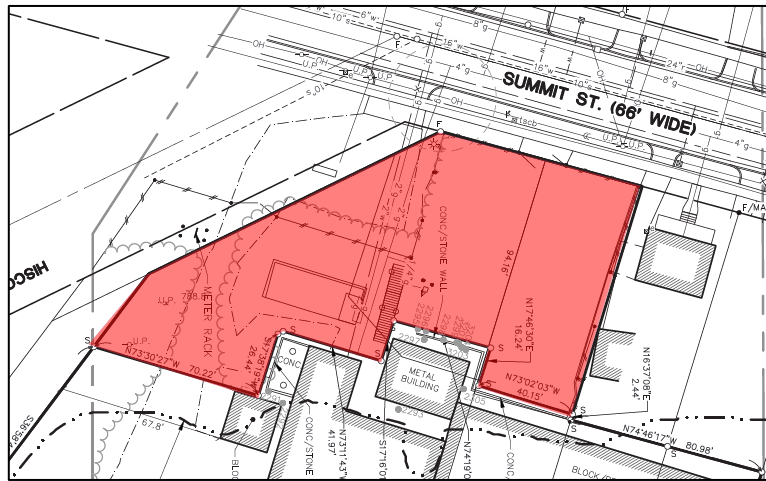
A handwritten signature in black ink that reads 'Andrew J. Foerg' in a cursive style.

Andrew J. Foerg, CPG
President

Enclosure

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

123 W. SUMMIT
ANN ARBOR, WASHTENAW COUNTY, MICHIGAN



ECS PROJECT A121-0001-04
JUNE 26, 2024

Prepared for:

JENNIFER HALL
ANN ARBOR HOUSING DEVELOPMENT CORPORATION
200 S. INDUSTRIAL HIGHWAY
ANN ARBOR, MI 48104

Submitted by:



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1.0 BACKGROUND

Environmental Consulting Solutions, LLC (ECS) was contracted to provide professional environmental services associated with the 123 W. Summit parcel located in Ann Arbor, Michigan (subject property). The scope of work included a Phase II ESA to address the potential for subsurface contamination associated with RECs identified in a previous Phase I ESA dated April 29, 2024.

1.1 Site Description

The subject property is the parcel of vacant land located at 123 W. Summit, west of Main Street, and east of Hiscock Street. Most of the parcel is partially enclosed with locked fencing and was observed to be vacant land with overgrown vegetation. The adjoining properties include mixed use with commercial and residential to the north, vacant land to the east followed by single family residential along Summit Street, and commercial/industrial to the south (City of Ann Arbor DPW property).

Refer to **Figure 1** for an Aerial Site Map.

1.2 Previous Assessments

A Phase I ESA Report dated April 29, 2024, was prepared by ECS. RECs were identified as follows:

- Based on the governmental database findings and FOIA documentation reviewed, the parent parcel is a known Part 201 and Part 213 site of soil and groundwater contamination. Contamination on the parent parcel has been identified at concentrations greater than the Generic Residential Cleanup Criteria, resulting in "facility" classification.
- Evaluation of historic sources identify the adjoining former coal company to the north in addition to former automotive manufacturing to the northwest (upgradient). These nearby industrial facilities are located upgradient and appear to have potential to negatively impact the subject property.

No data failures as defined in ASTM E 1527-21 were encountered during the completion of the Phase I ESA and no significant limitations were noted during the site reconnaissance, with the exception of the following:

- First developed use of the subject property was residential. Documentation regarding historic heat source and the use of any backfill materials used following demolition are unconfirmed.
- Limited site access was available at the time of the site reconnaissance.

2.0 PHASE II ESA SUBSURFACE EVALUATION

ECS conducted a Phase II ESA investigation at the subject property to address the RECs and significant data gap.

2.1 Soil and Groundwater Evaluation

On June 6, 2024, ECS mobilized to the subject property with a geoprobe drilling contractor, Midwest Analytical Services, Inc. (MAS), of Ferndale, Michigan, with the objective of installing soil borings and, if groundwater was encountered, temporary groundwater monitoring wells, under the direct supervision of ECS personnel. A total of six soil borings (SB-1 through SB-6) were advanced for sample collection and field screening. MAS used hydraulic drive/direct-push (Geoprobe®) sampling techniques and generally followed the drilling procedures outlined in ASTM publication D 6282-98 "*Standard Guide for Direct Push Soil Sampling for Environmental Site Characterizations*".

Continuous soil samples were collected from the soil borings in four-foot intervals to the maximum depth explored of approximately 20 feet below ground surface (bgs). ECS personnel inspected, field-screened, and logged the soils at each soil boring location.

Soils collected from discrete sample intervals were screened using the PID to determine if volatile compounds were present. Soil from specific depths was placed in plastic bags, sealed, and allowed to volatilize. The headspace within each bag was then monitored with the PID. The PID is able to detect trace levels of organic compounds in the air space within the plastic bag.

Groundwater was encountered in each of the soil boring locations during the Phase II ESA activities. Groundwater samples were collected from SB-1 through SB-6 for potential laboratory analysis

Soil/groundwater sample selection for laboratory analysis was based on field screening observations as well as the depth most likely to address the potential REC. The locations of the soil borings are depicted on **Figure 1**.

2.1.1 Quality Assurance/Quality Control

To ensure the accuracy of data collected during on site activities, ECS and MAS employed proper quality assurance/quality control (QA/QC) measures. The QA/QC procedures included, but were not limited to, (1) subsurface utility locating; (2) decontamination of sampling equipment before and between sampling events; (3) calibration of field equipment; (4) documentation of field activities; and (5) sample preservation techniques.

2.1.1.1 Subsurface Utility Locating

Prior to any ground disturbing activities, MAS contacted the Miss Dig utility locating system requesting utility location services at the Site. ECS specifically requested that utilities be located across the Site.

2.2.1.2 **Decontamination of Equipment**

During sample collection, ECS and MAS adhered to proper decontamination procedures. Sampling equipment was decontaminated using the following methods to minimize potential cross-contamination of soil samples: steam-cleaning or washing and scrubbing the equipment with non-phosphate detergent (i.e., Alconox®), rinsing the equipment and air-drying the equipment.

2.1.1.3 **Calibration of Field Equipment**

All field instruments were calibrated prior to first use on-site to ensure accuracy. Field instruments utilized during investigation activities at this subject property included a photoionization detector (PID). During ECS's Phase II ESA, the PID was used to screen all soil samples.

2.1.1.4 **Documentation of Activities**

During ECS's Phase II ESA activities, subject property conditions (i.e., soil boring locations, weather conditions) were documented. ECS visually inspected the soils and prepared a geologic log for each soil boring. The logs include soil characteristics such as (1) color, (2) composition (e.g., sand, clay, or gravel), (3) soil moisture and suspected water table depth, and (4) signs of possible impact (i.e., stained or discolored soil, odors, PID readings etc.).

All selected samples were delivered to a qualified analytical laboratory, Midwest Analytical Services, under chain-of-custody documentation. See **Appendix A** for ECS's soil boring logs and **Appendix B** for laboratory chain-of-custody documentation.

2.1.1.5 **Sample Preservation Techniques**

ECS collected soil samples in general accordance with USEPA Publication SW-846, "*Test Methods for Evaluating Solid Waste.*" Soil samples for VOC analysis were preserved with methanol in accordance with Method 5035A. Soil samples for remaining analyses and the groundwater samples collected were placed in appropriately labeled laboratory-supplied containers with Teflon lined lids. All samples were placed in an ice packed cooler and transported under chain of custody procedure for laboratory analysis within applicable holding times.

2.1.2 **Laboratory Analyses and Methods**

Soil borings SB-1 through SB-6 were completed to address the RECs identified in the previous Phase I ESA. ECS submitted selected soil/groundwater samples to MAS for laboratory analyses.

The laboratory analytical methods included one or more of the following:

- Volatile Organic Compounds (VOCs) by Method 8260.
- Polynuclear Aromatics (PNAs) by Method 8270.
- 10 Michigan Metals (MM) by Method 6010/6020

3.0 EVALUATION AND PRESENTATION OF PHASE II ESA RESULTS

3.1 Subsurface Conditions

3.1.1 Soil Conditions Based on Published Material

Based on the site reconnaissance and review of the USGS Topographic Maps, the topography of the parcel is sloped with a general topographic gradient to the east-southeast. The site elevation is approximately 790 feet +/- above mean sea level. The south end of the parcel slopes to the south, with a significant decrease in elevation towards the parent parcel to the south.

The Quaternary Geology obtained through EGLE GeoWebFace online resources indicated the surficial geology in the vicinity of the subject property consisted of end moraines of fine-textured till. The bedrock geology was identified as Coldwater Shale.

3.1.2 Subsurface Conditions Based on Field Observations

During Phase II ESA drilling activities, ECS encountered the following:

- A surface layer of asphalt or lawn (grass/topsoil), underlain by varying layers of sand, clay, silt and gravel.
- Evidence of fill material was noted in several of the soil borings. Evidence of industrial-type fill material included cinder, glass, brick, concrete, coal and cement.
- Saturated conditions (i.e., groundwater) were encountered in each of the soil boring locations.

PID readings greater than 1.0 parts per million (ppm) were not detected in any the soil borings. No evidence of apparent petroleum or chemical type odors was noted during field activities.

See **Figure 1** for soil boring locations. See **Appendix A** for soil boring logs.

4.0 ASSESSMENT OF GENERIC CRITERIA

The Michigan Department of Environment, Great Lakes and Energy (EGLE) Part 201 Generic Residential Cleanup Criteria (GRCC) and Statewide Default Background Levels were used to compare soil results.

The Part 201 GRCC were used to compare groundwater results.

In addition to the Part 201 Generic Soil Volatilization to Indoor Air Criteria (SVIAC), ECS compared the soil and groundwater results to their respective Residential Soil Volatilization to Indoor Air Pathway (VIAP) Screening Levels.

4.1 Laboratory Analytical Results

Figure 2 presents the soil boring locations with soil sample analytical results. **Figure 3** presents the soil boring locations with groundwater sample analytical results. A summary of the soil and groundwater sample analytical data is presented in **Tables 1 and 2**, respectively. A copy of laboratory report and chain of custody documentation is presented in **Appendix B**.

The laboratory results were as follows:

Soil:

VOCs were detected in three of eight soil samples analyzed.

- VOC compounds detected above their respective laboratory method detection limits included Benzene, Ethylbenzene, Isopropyl benzene, n-Propyl benzene, Toluene, 2-Methylnaphthalene, Naphthalene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 1,2,3-Trimethylbenzene and Xylenes.
- VOC concentrations were less than each of the applicable Part 201 GRCC, with the exception of xylenes detected in two soil samples (SB-2 and SB-3) at concentrations greater than the Part 201 GRCC for Groundwater Surface Water Interface (GSI).
- VOC concentrations observed in three of the samples were at levels exceeding their respective Residential VIAP Screening Levels.

PNAs were detected in six of the eight soil samples analyzed.

- Each of the 17 PNA compounds in the laboratory scan, with the exception of Acenaphthene, were detected at concentrations above their respective laboratory method detection limits.
- PNA concentrations exceeded the Part 201 GRCC for direct contact and GSI in the SB-3 and SB-5 soil samples.
- PNA concentrations were less than each of the applicable Part 201 GRCC for volatilization to indoor air and ambient air.
- PNA concentrations observed in the SB-3 and SB-5 soil samples were at levels exceeding their respective Residential VIAP Screening Levels.

Metals were detected in each of the soil samples analyzed. Because metals are naturally occurring, ECS first compared the detected soil concentrations of metals to their respective statewide default background levels (SDBLs). If the SDBLs were exceeded, ECS then compared the metals concentration to the applicable EGLE GRCC.

- Arsenic was detected in each of the eight soil samples analyzed at concentrations greater than its Part 201 GRCC for direct contact, as well as drinking water and GSI
- Lead was detected in two of the eight soil samples (SB-1 and SB-4) analyzed at concentrations greater than its Part 201 GRCC for direct contact.
- Mercury was detected in one of the eight soil samples at concentrations greater than the SDBL. Concentrations were less than the Part 201 GRCC for Soil Volatilization to Indoor Air, but were greater than the Residential VIAP Screening Level.

Groundwater:

VOCs were not detected in any of the four groundwater samples analyzed.

PNAs were detected in one of the four groundwater samples analyzed.

- Eight of the 17 PNA compounds in the laboratory scan were detected at concentrations above their respective laboratory method detection limits.
- PNA concentrations exceeded the Part 201 GRCC for drinking water and/or GSI.
- PNA concentrations were less than each of the applicable Part 201 GRCC for volatilization to indoor air and ambient air.
- PNA concentrations were at levels less than their respective Residential VIAP Screening Levels.
- The concentrations of Benzo(b)fluoranthene and Chrysene were at levels exceeding their groundwater saturation criteria. This is an indicator of potential non-aqueous phase liquids may be present.

Metals were detected in each of the groundwater samples analyzed.

- Each of the ten metals analyzed were detected at concentrations greater than their Part 201 GRCC for drinking water and/or GSI.
- Mercury was detected in one of the four groundwater samples at concentrations less than the Part 201 GRCC for Groundwater Volatilization to Indoor Air, but greater than the Residential VIAP Screening Level.

4.2 Evaluation of Due Care Compliance

Based on the findings, the subject property is considered a "facility" as defined by NRPEA. A "facility" is a site with soil and/or groundwater contamination at a concentration greater than the most restrictive Part 201 GRCC.

Owner and operators of a “facility” are required to take actions to ensure that the contamination does not cause an unacceptable exposure and to ensure safe use of the property. Relevant exposure pathways are evaluated based on the current development and intended future use.

The following table discusses the relevant pathways based on the intended future use as residential.

Relevant Exposure Pathways		
Pathway	Discussion	Recommendations
Drinking Water	Not Complete – Municipal Supply Drinking Water	Exceedances of GRCC do not require further assessment for incomplete pathways.
Groundwater-Surface Water Interface	Not Complete – No surface water on-Site	Exceedances of GRCC do not require further assessment for incomplete pathways.
Direct Contact	Complete	Arsenic, lead and benzo(a)pyrene were detected at concentrations exceeding GRCC for Direct Contact. Response actions/mitigation measures will be required.
Soil Particulate Inhalation	Complete	<GRCC. No further assessment required. No mitigation necessary.
Soil Volatilization to Ambient Air	Complete	<GRCC. No further assessment required. No mitigation necessary.
Volatilization to Indoor Air Pathway	Potentially Complete – assuming residential buildings	Mercury, Naphthalene, Phenanthrene, Benzene, Ethylbenzene, Isopropyl benzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, and Xylenes were detected at concentrations exceeding Residential VIAP Screening Levels. Response actions/mitigation measures will be required.

5.0 CONCLUSIONS

ECS conducted a Phase II ESA at the 123 W. Summit property to evaluate potential subsurface impact from the RECs identified in the April 2024 Phase I ESA. The results of ECS's Phase II ESA indicate the following:

- Field screening observations did identify evidence of apparent industrial-type fill material across the subject property.
- Soil and groundwater concentrations were detected at levels exceeding the Part 201 GRCC, resulting in the subject property being classified as a "facility".
- Based on the results of the Phase II ESA, soil direct contact and soil volatilization to indoor air are complete potential human exposure pathways based on the proposed future residential land use. Response actions/mitigation measures are warranted.

Based on the facility classification, should the Ann Arbor Housing Development Corporation decide to purchase the subject property, a Baseline Environmental Assessment (BEA) is recommended to be completed with 45 days of purchase or occupancy.

In addition, in anticipation of redevelopment of the parcel for residential low-income housing, it is likely that additional site investigation would be required to provide full site characterization, including but not limited to soil-gas sampling/analysis and additional soil and groundwater sampling/analysis.

Response actions/mitigation measures would be warranted to address any complete pathways that have potential for human exposures.

Attachments

Figures

- Figure 1: Aerial Site Map with Boring Locations
- Figure 2: Soil Analytical Results Map
- Figure 3: Groundwater Analytical Results Map

Tables

- Table 1: Soil Analytical Results
- Table 2: Groundwater Analytical Results

Appendices

- Appendix A: Soil Boring Logs
- Appendix B: Laboratory Analytical Reports

Figures



LEGEND

- Soil boring/temporary monitoring well location
- Approximate area of subject property parcel

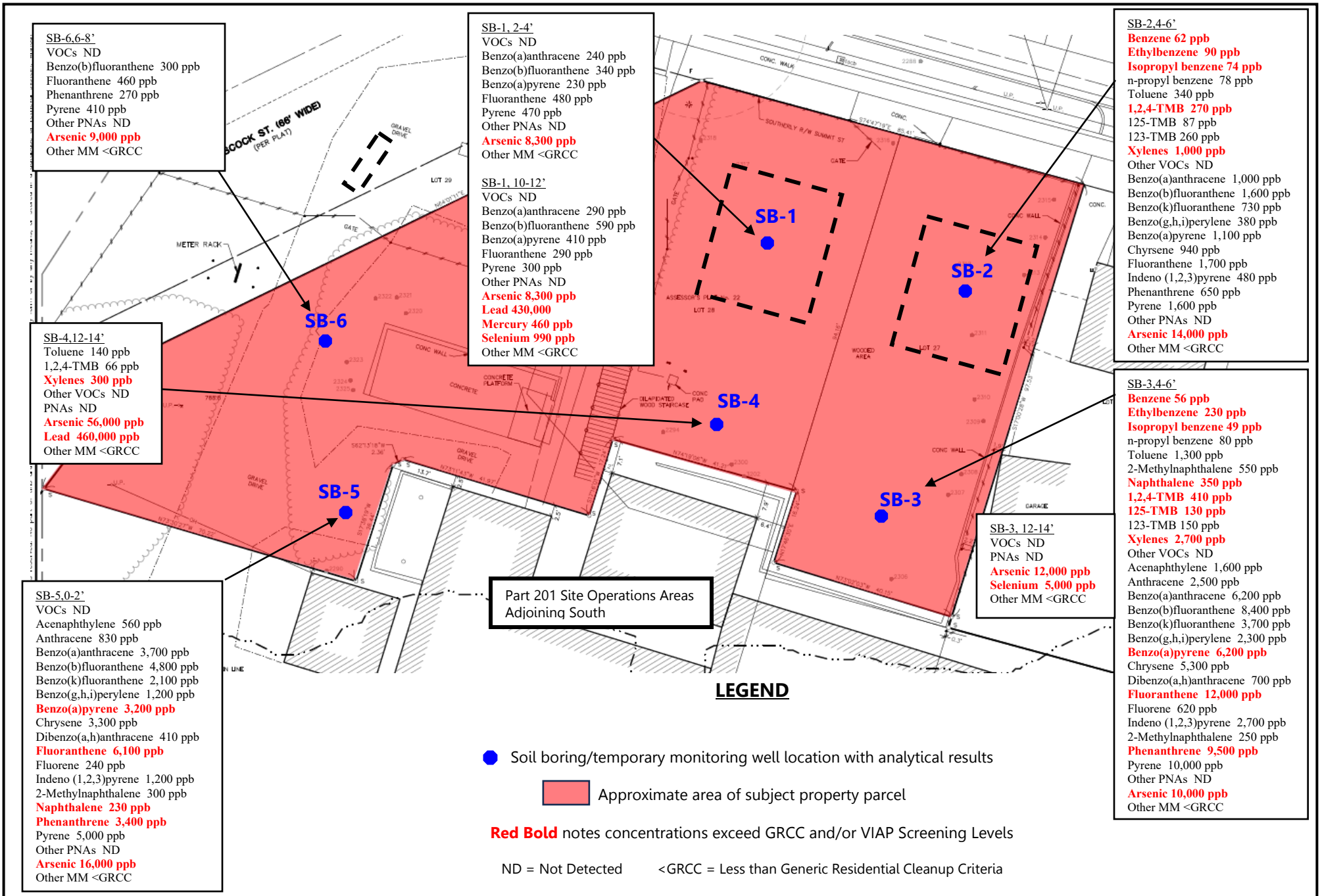


Figure 2: Soil Boring Locations with Soil Analytical Results

123 W. Summit
 Ann Arbor, Michigan
 ECS Project A121-0001-04

Source: Survey Map Prepared by Midwestern Consulting dated 02/2023





LEGEND

● Soil boring/temporary monitoring well location with analytical results

█ Approximate area of subject property parcel

Red Bold notes concentrations exceed GRCC and/or VIAP Screening Levels

ND = Not Detected <GRCC = Less than Generic Residential Cleanup Criteria

Figure 3: Temporary Well Locations with Groundwater Analytical Results

123 W. Summit
 Ann Arbor, Michigan
 ECS Project A121-0001-04

Source: Survey Map Prepared by Midwestern Consulting dated 02/2023



Tables

**TABLE 1
SUMMARY OF DETECTED ANALYTE CONCENTRATIONS IN SOIL
123 W. SUMMIT
ANN ARBOR, MICHIGAN
ECS PROJECT A121-0001-04**

Parameter*	Chemical Abstract Service Number	Statewide Default Background Level	EGLE Generic Part 201 Residential Cleanup Criteria and VIAP Screening Levels						Sample ID	SB-01	SB-01	SB-02	SB-03	SB-03	SB-04	SB-05	SB-06
			Drinking Water Protection	Groundwater Surface Water Interface Protection	Volatilization to Indoor Air	VIAP Screening Levels	Ambient Air Inhalation	Direct Contact	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
			Date	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024		
			Depth	2-4'	10-12'	4-6'	4-6'	12-14'	12-14'	0-2'	6-8'						
Metals																	
Arsenic	7440382	5,800	4,600	4,600	NLV	NLV	720,000	7,600	8,300	8,300	14,000	10,000	12,000	56,000	16,000	9,000	
Barium	7440393	75,000	1,300,000	(G)	NLV	NLV	330,000,000	37,000,000	34,000	200,000	72,000	58,000	87,000	42,000	85,000	48,000	
Cadmium	7440439	1,200	6,000	160,000 (G,X)	NLV	NLV	1,700,000	550,000	340	880	630	360	1,200	430	320	440	
Chromium	16065831	18,000	1,000,000,000	270,000,000,000 (G,X)	NLV	NLV	330,000,000	790,000,000	16,000	6,800	11,000	9,200	8,300	9,500	10,000	11,000	
Copper	7440508	32,000	5,800,000	(G)	NLV	NLV	130,000,000	20,000,000	20,000	27,000	38,000	15,000	48,000	37,000	25,000	28,000	
Lead	7439921	21,000	700,000	33,000,000 (G,X)	NLV	NLV	100,000,000	400,000	17,000	430,000	94,000	37,000	58,000	460,000	24,000	31,000	
Mercury	Varies	130	1,700	50 (M); 1.2	48,000	22 (M)	20,000,000	160,000	ND	460	50	48	ND	37	55	ND	
Selenium	7782492	410	4,000	400	NLV	NLV	130,000,000	2,600,000	ND	990	250	ND	5,000	ND	ND	ND	
Silver	7440224	1,000	4,500	100 (M); 27	NLV	NLV	6,700,000	2,500,000	ND	140	ND	ND	ND	ND	ND	ND	
Zinc	7440666	47,000	2,400,000	(G)	NLV	NLV	ID	170,000,000	43,000	380,000	140,000	58,000	330,000	70,000	36,000	58,000	
Polynuclear Aromatic Compounds (PNAs)																	
Acenaphthene	83329	NA	300,000	8,700	190,000,000	200,000	14,000,000,000	41,000,000	ND	ND	ND	ND	ND	ND	ND	ND	
Acenaphthylene	208968	NA	5,900	ID	1,600,000	DATA	2,300,000,000	1,600,000	ND	ND	ND	1,600	ND	ND	560	ND	
Anthracene	120127	NA	41,000	ID	1,000,000,000 (D)	13,000,000	67,000,000,000	230,000,000	ND	ND	ND	2,500	ND	ND	830	ND	
Benzo(a)anthracene	56553	NA	NLL	NLL	NLV	160,000 (MM)	ID	20,000	240	290	1,000	6,200	ND	ND	3,700	ND	
Benzo(b)fluoranthene	205992	NA	NLL	NLL	ID	NA	ID	20,000	340	590	1,600	8,400	ND	ND	4,800	300	
Benzo(k)fluoranthene	207089	NA	NLL	NLL	NLV	NA	ID	200,000	ND	ND	730	3,700	ND	ND	2,100	ND	
Benzo(g,h,i)perylene	191242	NA	NLL	NLL	NLV	NLV	800,000,000	2,500,000	ND	ND	380	2,300	ND	ND	1,200	ND	
Benzo(a)pyrene	50328	NA	NLL	NLL	NLV	NA	1,500,000	2,000	230	410	1,100	6,200	ND	ND	3,200	ND	
Chrysene	218019	NA	NLL	NLL	ID	NA	ID	2,000,000	ND	ND	940	5,300	ND	ND	3,300	ND	
Dibenzo(a,h)anthracene	53703	NA	NLL	NLL	NLV	NA	ID	2,000	ND	ND	ND	700	ND	ND	410	ND	
Fluoranthene	206440	NA	730,000	5,500	1,000,000,000 (D)	NA	740,000,000	46,000,000	480	290	1,700	12,000	ND	ND	6,100	460	
Fluorene	86737	NA	390,000	5,300	580,000,000	470,000	9,300,000,000	27,000,000	ND	ND	620	27,000	ND	ND	240	ND	
Indeno(1,2,3-cd)pyrene	193395	NA	NLL	NLL	NLV	NA	ID	20,000	ND	ND	480	2,700	ND	ND	1,200	ND	
2-Methylnaphthalene	91576	NA	57,000	4,200	2,700,000	1,700	670,000,000	8,100,000	ND	ND	ND	250	ND	ND	300	ND	
Naphthalene	91203	NA	35,000	730	250,000	67 (M)	200,000,000	16,000,000	ND	ND	ND	ND	ND	ND	230	ND	
Phenanthrene	85018	NA	56,000	2,100	2,800,000	1,700	160,000	1,600,000	ND	ND	650	9,500	ND	ND	3,400	270	
Pyrene	129000	NA	480,000	ID	1,000,000,000 (D)	25,000,000	650,000,000	29,000,000	470	300	1,600	10,000	ND	ND	5,000	410	
Volatile Organic Compounds (VOCs)																	
Benzene	71432	NA	100	4,000 (X)	1,600	1.7 (M)	13,000	37,000,000	ND	ND	62	56	ND	ND	ND	ND	
Ethylbenzene	100414	NA	1,500	360	87,000	12 (M)	720,000	140,000	ND	ND	90	230	ND	ND	ND	ND	
Isopropylbenzene	98828	NA	91,000	3,200	390,000	3.8 (M)	1,700,000	390,000	ND	ND	74	49	ND	ND	ND	ND	
n-propylbenzene	103651	NA	1,600	ID	ID	1,800 (DD)	1,300,000,000	2,500,000	ND	ND	78	80	ND	ND	ND	ND	
Toluene	108883	NA	16,000	5,400	330,000	3,700	2,800,000	250,000	ND	ND	340	1,300	ND	140	ND	ND	
2-Methylnaphthalene	91576	NA	57,000	4,200	2,700,000	1,700	1,500,000	8,100,000	ND	ND	ND	550	ND	ND	ND	ND	
Naphthalene	91203	NA	35,000	730	250,000	67 (M)	300,000	16,000,000	ND	ND	ND	350	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	95636	NA	2,100	570	110,000	150 (JT)	21,000,000	110,000	ND	ND	270	410	ND	66	ND	ND	
1,3,5-Trimethylbenzene	108678	NA	1,800	1,100	94,000	100 (JT)	16,000,000	94,000	ND	ND	87	130	ND	ND	ND	ND	
1,2,3-Trimethylbenzene	526738	NA	NA	NA	NA	270 (JT)	NA	NA	ND	ND	260	150	ND	ND	ND	ND	
Xylenes	1330207	NA	5,600	980	150,000	280 (J)	150,000	150,000	ND	ND	1,000	2,700	ND	300	ND	ND	
Other VOCs	varies	NA	varies	varies	varies	varies	varies	varies	ND	ND	ND	ND	ND	ND	ND	ND	

ND denotes Not Detected at or above Estimated Quantitation Limit
 ID = Inadequate data
 NLL = Not likely to leach
 NA = Not Available or Not Applicable
 NLV = Not likely to volatilize
 Bolded Red value denotes that compound was reported at a concentration above the Residential Cleanup Criteria and/or VIAP
 G= Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water.
 X= The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.
 D= Calculated criterion exceeds 100 percent; hence it is reduced to 100 percent or 1.0E+9 ppb.
 DD = Hazardous substance causes developmental effects. Residential direct contact criteria are protective of both prenatal and postnatal exposure.
 J = Isomer-specific concentrations shall be added together for comparison to criteria.
 JT = When multiple isomers are detected, the isomer-specific concentrations must be added together and compared to the most restrictive VIAP screening level of the detected isomers.
 M = Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.
 MM = Hazardous substance is a carcinogen with a mutagenic mode of action.

TABLE 2
SUMMARY OF DETECTED ANALYTE CONCENTRATIONS IN GROUNDWATER
123 W. SUMMIT
ANN ARBOR, MICHIGAN
ECS PROJECT A121-0001-04

Parameter*	Chemical Abstract Service Number	EGLE Generic Part 201 Residential Cleanup Criteria and VIAP Screening Levels				Sample ID	SB-01	SB-02	SB-03	SB-04	SB-05	SB-06
		Drinking Water Protection	Groundwater Surface Water Interface Protection	Volatilization to Indoor Air	VIAP Screening Levels (GW not in Contact, >10ft)	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
						Date	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024
						Depth	12-17'	13-18'	12-17'	13-18'	7-12'	12-17'
Metals												
Arsenic	7440382	10(A)	10	NLV	NLV	2,600	NA	ND	NA	16	14	
Barium	7440393	2,000 (A)	(G)	NLV	NLV	46,000	NA	160	NA	190	250	
Cadmium	7440439	5.0 (A)	(G,X)	NLV	NLV	840	NA	ND	NA	ND	7.5	
Chromium	16065831	100 (A)	(G,X)	NLV	NLV	5,300	NA	4.7	NA	34	38	
Copper	7440508	1,000 (E)	(G)	NLV	NLV	13,000	NA	18	NA	54	60	
Lead	7439921	4.0 (L)	(G,X)	NLV	NLV	170,000	NA	34	NA	15	24	
Mercury	Varies	2.0 (A)	0.0013	56	2.5	34	NA	ND	NA	ND	ND	
Selenium	7782492	50 (A)	5.0	NLV	NLV	160	NA	ND	NA	ND	ND	
Silver	7440224	34	0.2 (M)	NLV	NLV	15	NA	ND	NA	ND	ND	
Zinc	7440666	2,400	(G)	NLV	NLV	200,000	NA	290	NA	140	170	
Polynuclear Aromatic Compounds (PNAs)												
Benzo(a)anthracene	56553	2.1	ID	NLV	9.4 (S, MM)	NA	ND	2.4	NA	ND	ND	
Benzo(b)fluoranthene	205992	1.5 (S)	ID	NLV	NA	NA	ND	3.2	NA	ND	ND	
Benzo(a)pyrene	50328	5.0 (A)	ID	NLV	NA	NA	ND	2.1	NA	ND	ND	
Chrysene	218019	1.6 (S)	ID	ID	NA	NA	ND	2.0	NA	ND	ND	
Fluoranthene	206440	210 (S)	1.6	210 (S)	NA	NA	ND	5.6	NA	ND	ND	
Naphthalene	91203	520	11	31,000 (S)	130	NA	ND	1.8	NA	ND	ND	
Phenanthrene	85018	52	2.0 (M)	1,000 (S)	290	NA	ND	5.1	NA	ND	ND	
Pyrene	129000	140 (S)	ID	140(S)	140 (S)	NA	ND	5.3	NA	ND	ND	
Other PNAs	varies	varies	varies	varies	varies	NA	ND	ND	NA	ND	ND	
Volatile Organic Compounds (VOCs)												
VOCs	varies	varies	varies	varies	varies	ND	NA	ND	NA	ND	ND	

Notes:

ND denotes Not Detected at or above Estimated Quantitation Limit

ID = Inadequate data

NA = Not Available or Not Applicable

NLV = Not likely to volatilize

Bolded Red value denotes that compound was reported at a concentration above the Residential Cleanup Criteria and/or VIAP Screening Level

G= Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water.

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

A = Criterion is the state of Michigan drinking water standard established pursuant to Section 5 of 1976 PA 399, MCL 325.1005.

E = Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA).

L = Criteria for lead are derived using a biologically based model, as allowed for under Section 20120a(9) of the NREPA, and are not calculated using the algorithms and assumptions specified in pathway-specific rules.

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

MM = Hazardous substance is a carcinogen with a mutagenic mode of action.

Appendix A

Soil Boring Logs

ECS Soil Boring Log

ECS Soil Boring Log						
ECS PROJECT	A121-0001-04	Soil Boring	SB-1	DATE	June 5, 2024	
DEPTH IN FEET	20	MONITORING WELL	GROUNDWATER SB-1			
GEOLOGIST	Steve K.	SOIL SAMPLES SELECTED FOR ANALYSIS			SB-1 (2-4') and (10-12')	
Location	Northwest quadrant of fenced area	Client Name	AAHDC - Summit	Site Name & Address	Vacant Property, 123 W. Summit, Ann Arbor, MI	
Depth	Recovery %	Color	Moist	Description	PID Reading	Comment
0	90	Brown	Dry	TOPSOIL, with sand and gravel, loose	0.0	No odor evident in any of the samples
		Brown	Dry	CLAY, with silt and gravel, stiff		
1		Tan	Dry	SAND, fine-grained, loose		
2		Dk Brown	Dry	CLAYEY SAND, with red brick, gravel, concrete, trace of coal and tile pieces, dense		
3					0.0	
4	90				0.0	
5						
6		Lt. Gray	Dry	CONCRETE, 3-inches thick		
7		Brown	Dry	SILTY CLAY, with gravel, trace of bottle glass, stiff		
8	50	Pinkish Br	Dry	SAND and GRAVEL (mostly non-native), with cinder and clay, lightweight compared to other soil, dense	0.0	Appears to be industrial origin
9		Black & White				
10					0.0	
11						
12	60	Brown	Dry	SAND, fine-grained, with silt and clay, dense	0.0	
13						
14		Tan	Dry	SAND, fine-grained, with silt and clay, dense		
15		Black	Moist	CLAYEY PEAT, with organics, soft	0.0	
16	50	Brown	Wet	SAND, fine-grained, with trace clay, loose	0.0	Groundwater slow to recover
17						
18					0.0	Insufficient volume to fill container for PNA analysis
19						
20				END OF BORING		
Drilling Company	Midwest Analytical Services		Screen Top	12 feet	Well Type	1" diameter PVC
Method	Geoprobe		Screen Bottom	17 feet	Backfill	Cuttings

ECS Soil Boring Log							
ECS PROJECT	A121-0001-04	Soil Boring		SB-2	DATE	June 5, 2024	
DEPTH IN FEET	20	MONITORING WELL		GROUNDWATER SB-2			
GEOLOGIST	Steve K.	SOIL SAMPLE SELECTED FOR ANALYSIS			SB-2 (4-6')		
Location	Northeast quadrant of fenced area	Client Name	AAHDC - Summit	Site Name & Address	Vacant Property, 123 W. Summit, Ann Arbor, MI		
Depth	Recovery %	Color	Moist	Description	PID Reading	Comment	
0	80	Dk. Brown	Dry	GRAVEL and BROKEN ASPHALT SURFACE	0.0	No odor evident in any of the samples	
1		Brown	Dry	SAND. with gravel, trace of brick, loose			
2							
3							
4		Tan	Dry	SILT, with trace of sand, dense			
5		80	Pinkish Br	Dry			SAND and GRAVEL (mostly non-native), with cinder and clay, trace of glass, lightweight compared to other soil, dense
6	Black, and						
7	White						
8	Brown		Dry	CLAYEY SAND, with gravel, piece of concrete, dense			
9	70	Pinkish Br	Dry	SAND and GRAVEL (mostly non-native), with clay, lightweight compared to other soil, dense	0.0	Appears to be industrial origin	
10		Black, and					
11		White					
12	90	Brown	Dry	CLAY, silty, with rounded gravel, trace of concrete. stiff	0.0		
13		Lt. Gray	Dry	CONCRETE, 5-inch layer			
14		Orange	Dry	BRICK, 4-inch layer			
15		Brown	Dry	CLAYEY SAND, dense			
16		Dk. Brown to Black	Damp	PEAT, with wood, trace of sand,			
17	60				0.0		
18		Gray	Wet	CLAYEY SAND. dense			
19		Brown	Wet	SAND with gravel, dense			
20		Orange Br	Wet	SAND, with silt and clay, dense			
20				END OF BORING			
Drilling Company		Midwest Analytical Services		Screen Top	13 feet	Well Type	1" diameter PVC
Method		Geoprobe		Screen Bottom	18 feet	Backfill	Cuttings

ECS Soil Boring Log						
ECS PROJECT	A121-0001-04	Soil Boring		SB-3	DATE	June 5, 2024
DEPTH IN FEET	20	MONITORING WELL		GROUNDWATER SB-3		
GEOLOGIST	Steve K.	SOIL SAMPLES SELECTED FOR ANALYSIS			SB- 3 (4-6') and (12-14')	
Location	Southeast quadrant of fenced area	Client Name	AAHDC - Summit	Site Name & Address	Vacant Property, 123 W. Summit, Ann Arbor, MI	
Depth	Recovery %	Color	Moist	Description	PID Reading	Comment
0	80	Brown	Dry	ASPHALT, broken surface	0.0	No odor evident in any of the samples
1		Brown	Dry	SAND, with gravel, asphalt pieces, loose		
2		Brown	Dry	PEA GRAVEL, with sand, loose		
3		Dk Brown	Dry	CLAY, silty, dense	0.0	
4		Brown	Dry	CLAYEY SAND, with silt, gravel, and brick pieces, dense		
5		80	Bl & Lt. Gr	Dry	SILTY CLAY, with sand and gravel, stiff	
6	Brown		Dry	SAND and GRAVEL (mostly non-native), ash, cinder, loose		
7	Brown		Dry	SILTY CLAY, with sand and gravel, stiff	0.0	
8	Brown		Dry	SANDY CLAY, with gravel, stiff		
9	80	Brown	Dry	SAND, fine-grained, with silt and gravel, trace of coal, concrete and brick, loose	0.0	
10						
11					0.0	
12		Black & Lt Gray	Dry	SAND and GRAVEL (mostly non-native materials), with clay, lightweight, dense		
13	70	Brown	Wet	CLAYEY SAND, with silt, dense	0.0	Appears to be industrial origin
14		Dk. Brown to Black	Damp	PEAT, with trace sand and silt		
15					0.0	
16	70	Brown	Dry	CLAY, with peat and silt, trace sand, soft	0.0	Groundwater slow to recover
17						
18		Yellow Br	Wet	SAND, with large gravel, dense	0.0	
19		Brown	Wet	CLAY, with silt, dense		
20				END OF BORING		
Drilling Company	Midwest Analytical Services		Screen Top	12 feet	Well Type	1" diameter PVC
Method	Geoprobe		Screen Bottom	17 feet	Backfill	Cuttings

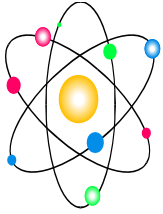
ECS Soil Boring Log						
ECS PROJECT	A121-0001-04	Soil Boring		SB-4	DATE	June 5, 2024
DEPTH IN FEET	20	MONITORING WELL		GROUNDWATER SB-4		
GEOLOGIST	Steve K.	SOIL SAMPLE SELECTED FOR ANALYSIS			SB-4 (12-14')	
Location	Southwest quadrant of fenced area	Client Name	AAHDC - Summit	Site Name & Address	Vacant Property, 123 W. Summit, Ann Arbor, MI	
Depth	Recovery %	Color	Moist	Description	PID Reading	Comment
0	90	Brown	Dry	TOPSOIL, with sand and gravel, asphalt pieces, loose	0.0	No odor evident in any of the samples
1						
2		Tan	Dry	SAND, fine-grained, with gravel, trace of concrete and orange brick, loose		
3		Brown	Dry	SILTY CLAY, with gravel, trace of cinder, and concrete, fissile, stiff	0.0	
4	100	Brown	Dry	SILTY CLAY, with gravel, trace of cinder and concrete, fissile, stiff	0.0	
5						
6					0.0	
7						
8	80	Brown	Dry	SAND, fine-grained, with silt, loose	0.0	
9						
10				(1-inch-thick black coal layer)	0.0	
11				(1-inch-thick black coal layer)		
12	70	Brown	Dry	SAND and GRAVEL, with clay, cinder, concrete,	0.0	Appears to be industrial origin
13		Black, Gray & Lt. Gray	Dry	SAND and GRAVEL (non-native), with clay, coal, cinder, concrete, lightweight, loose		
14					0.0	
15		Dk. Brown to Black	Damp	PEAT, with wood		
16	70		Wet	SAND, fine-grained, with silt and gravel, loose	0.0	
17				Brown		
18		Brown	Wet	SAND, fine-to-medium grained, loose	0.0	
19						
20				END OF BORING		
Drilling Company	Midwest Analytical Services		Screen Top	13 feet	Well Type	1" diameter PVC
Method	Geoprobe		Screen Bottom	18 feet	Backfill	Cuttings

ECS Soil Boring Log						
ECS PROJECT	A121-0001-04	Soil Boring		SB-5	DATE	June 5, 2024
DEPTH IN FEET	12	MONITORING WELL		GROUNDWATER SB-5		
GEOLOGIST	Steve K.	SOIL SAMPLE SELECTED FOR ANALYSIS			SB-5 (0-2')	
Location	Downslope; western side of old building	Client Name	AAHDC - Summit	Site Name & Address	Vacant Property, 123 W. Summit, Ann Arbor, MI	
Depth	Recovery %	Color	Moist	Description	PID Reading	Comment
0	70	Dk Gray	Dry	BROKEN ASPHALT SURFACE	0.0	No odor evident in any of the samples
		Brown	Dry	CLAY, with silt and gravel, stiff		
1		Black	Dry	SAND, fine-grained, trace of cinder, loose		
2		Brown	Dry	SAND, with clay and gravel, dense	0.0	
3						
		Gray	Dry	SANDY CLAY, soft		
4	70	Gray		CLAYEY SAND, with gravel, stiff	0.0	
5						
6					0.0	
7						
8	60	Brown	Moist	SAND, with some clay, dense	0.0	
9						
10		Brown	Wet	SAND, with some clay, dense	0.0	
11						
12				END OF BORING		
13						
14						
15						
16						
17						
18						
19						
20						
Drilling Company	Midwest Analytical Services	Screen Top	7 feet	Well Type	1" diameter PVC	
Method	Geoprobe	Screen Bottom	12 feet	Backfill	Cuttings	

ECS Soil Boring Log						
ECS PROJECT	A121-0001-04	Soil Boring		SB-6	DATE	June 5, 2024
DEPTH IN FEET	20	MONITORING WELL		GROUNDWATER SB-6		
GEOLOGIST	Steve K.	SOIL SAMPLE SELECTED FOR ANALYSIS			SB-6 (6-8')	
Location	Along steep driveway on western parcel	Client Name	AAHDC - Summit	Site Name & Address	Vacant Property, 123 W. Summit, Ann Arbor, MI	
Depth	Recovery %	Color	Moist	Description	PID Reading	Comment
0	90	Brown	Dry	BROKEN ASPHALT SURFACE, topsoil	0.0	No odor evident in any of the samples
1		Brown	Dry	CLAYEY SAND, with gravel, stiff		
2		Brown	Dry	CLAYEY SAND, with gravel, and rust colored pellets, dense		
3	60	Brown	Dry	SANDY CLAY, fissile, stiff	0.0	
4		Brown	Dry	SANDY CLAY, with large broken pieces of gravel, stiff		
5		Brown	Dry	CLAYEY SAND, with gravel, stiff, crumbly		
6	50	Brown	Dry	CLAY, with silt and gravel, soft	0.0	
7		Brown	Dry	CLAY, with silt and gravel, soft		
8		Orange Br	Dry	SAND, fine-grained, with silt and clay, loose		
9	50	Brown	Dry	SILT SAND, dense	0.0	
10		Brown	Dry	CLAYEY SAND, dense		
11		Brown	Wet	SAND, fine-grained, with trace of clay, dense		
12	60	Brown	Wet	SAND, fine-medium grained, with small, rounded gravel, dense	0.0	
13		Brown	Wet	SAND, fine-medium grained, with small, rounded gravel, dense		
14		Tan	Wet	SAND, fine-grained, with silt, dense		
15	60	Tan	Wet	SAND, fine-grained, with silt, dense	0.0	
16		Tan	Wet	SAND, fine-grained, with silt, dense		
17		Tan	Wet	SAND, fine-grained, with silt, dense		
18	60	Tan	Wet	SAND, fine-grained, with silt, dense	0.0	
19		Tan	Wet	SAND, fine-grained, with silt, dense		
20		Tan	Wet	SAND, fine-grained, with silt, dense		
20				END OF BORING		
Drilling Company	Midwest Analytical Services		Screen Top	12 feet	Well Type	1" diameter PVC
Method	Geoprobe		Screen Bottom	17 feet	Backfill	Cuttings

Appendix B

Laboratory Analysis Results



Midwest Analytical Services, Inc.

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All test reports include a chain of custody and a cover sheet.

Phone: (248) 591-6660
MI Only: (888) 801-4MAS
Fax No: (248) 591-6668

Date: 24-Jun-24
Client: Julie Pratt
Environmental Consulting Solutions, LLC
Order ID: 2406010
MAS Sample #: 240606005 - 022
Project ID: A121-0001-04
Sample I.D.: Soil Sample SB-1 (2-4'); Soil Sample SB-1 (10-12'); Soil Sample SB-2 (4-6); Soil Sample SB-2 (8-10); Soil Sample SB-3 (4-6'); Soil Sample SB-3 (12-14'); Soil Sample SB-4 (0-2'); Soil Sample SB-4 (12-14'); Soil Sample SB-5 (0-2'); Soil Sample SB-5 (6-8); Soil Sample SB-6 (0-2'); Soil Sample SB-6 (6-8'); Groundwater SB-1; Groundwater SB-2; Groundwater SB-3; Groundwater SB-5; Groundwater SB-6

The above mentioned project has been completed in accordance with the Quality Manual written by Midwest Analytical Services, Inc., using 40 CFR part 136, SW-846, EGLE, EPA and Standard Methods documents as reference guidelines. Specific sample information is available upon request. This test report applies only to the samples received as stated on the Chain of Custody (COC).

Test reports are not complete unless accompanied by the COC and this cover sheet. MAS is not responsible for interpretation of this test report. Please read the following numbered comments carefully, as they might apply to your report.

For your convenience the following legend applies to all the following data sheets:

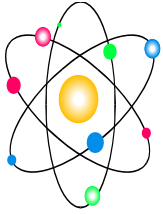
1. Reports shall not be reproduced, except in full, without written approval of MAS.
2. N/D=Not detected; i.e. Below Reporting Limit.
3. Results relate only to the items tested.
4. ppm=parts per million, mg/l, mg/kg or mg/kg(dry weight)
ppb=parts per billion, ug/l, ug/kg or ug/kg (dry weight)
5. QC information is on file and can be provided if requested for a fee.
6. EQL=Estimated Quantitation Limit; i.e. Reporting Limit.
7. N/A=Not Applicable, Not Available.
8. Materials listed on the COC were analyzed as requested. See COC for details.
9. Data along with qualifiers make this a useable data set.

Additional comments and explanations:

EXP- Expired preservative used during sample collection
MSH- High recovery for MS/MSD
MSL- Low recovery for MS/MSD
PH- pH of sample analyzed does not match method
SL- Surrogate spike indicates low recovery

If you have any questions regarding this project feel free to contact me at (248) 591-6660 ext. 112 or (888) 801-4627 ext. 112. Thank you for choosing Midwest Analytical Services.

Kevin O'Mara
Laboratory Director



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Environmental Consulting Solutions, LLC
523 W. Sunnybrook Drive
Royal Oak, MI 48073

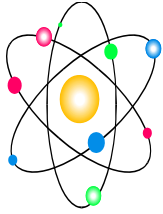
Test Report

Order ID: 2406010
MAS Sample #: 240606005
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-1 (2-4')
Physical Description: Soil
Sample Date/Time: 6/5/2024 10:10
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
	Total Metals:					06/11/2024		
SW 846 6010B	Arsenic	8300	µg/Kg Dry	136	MV		6/12/2024	
SW 846 6010B	Barium	34000	µg/Kg Dry	272	MV		6/12/2024	
SW 846 6010B	Cadmium	340	µg/Kg Dry	54	MV		6/12/2024	
SW 846 6010B	Chromium	16000	µg/Kg Dry	109	MV		6/12/2024	
SW 846 6010B	Copper	20000	µg/Kg Dry	272	MV		6/12/2024	
SW 846 6010B	Lead	17000	µg/Kg Dry	136	MV		6/12/2024	
SW 846 7471A	Mercury	N/D	µg/Kg Dry	22	MV		6/12/2024	MSH
SW 846 6010B	Selenium	N/D	µg/Kg Dry	136	MV		6/12/2024	
SW 846 6010B	Silver	N/D	µg/Kg Dry	54	MV		6/12/2024	
SW 846 6010B	Zinc	43000	µg/Kg Dry	272	MV		6/12/2024	
SW 846 8270C	PNA				DB	6/18/2024	6/18/2024	MSL
SW 846 8270C	Acenaphthene	N/D	µg/Kg Dry	217	DB		6/18/2024	
SW 846 8270C	Acenaphthylene	N/D	µg/Kg Dry	217	DB		6/18/2024	
SW 846 8270C	Anthracene	N/D	µg/Kg Dry	217	DB		6/18/2024	
SW 846 8270C	Benzo(a)anthracene	240	µg/Kg Dry	217	DB		6/18/2024	
SW 846 8270C	Benzo(b)fluoranthene	340	µg/Kg Dry	217	DB		6/18/2024	
SW 846 8270C	Benzo(k)fluoranthene	N/D	µg/Kg Dry	217	DB		6/18/2024	
SW 846 8270C	Benzo(g,h,i)perylene	N/D	µg/Kg Dry	217	DB		6/18/2024	
SW 846 8270C	Benzo [a]pyrene	230	µg/Kg Dry	217	DB		6/18/2024	
SW 846 8270C	Chrysene	N/D	µg/Kg Dry	217	DB		6/18/2024	
SW 846 8270C	Dibenz(a,h)anthracene	N/D	µg/Kg Dry	217	DB		6/18/2024	
SW 846 8270C	Fluoranthene	480	µg/Kg Dry	217	DB		6/18/2024	
SW 846 8270C	Fluorene	N/D	µg/Kg Dry	217	DB		6/18/2024	
SW 846 8270C	Indeno(1,2,3-cd)pyrene	N/D	µg/Kg Dry	217	DB		6/18/2024	
SW 846 8270C	2-Methylnaphthalene	N/D	µg/Kg Dry	217	DB		6/18/2024	
SW 846 8270C	Naphthalene	N/D	µg/Kg Dry	217	DB		6/18/2024	
SW 846 8270C	Phenanthrene	N/D	µg/Kg Dry	217	DB		6/18/2024	
SW 846 8270C	Pyrene	470	µg/Kg Dry	217	DB		6/18/2024	
SW 846 8260B	Volatile Organic Compounds:				DB	6/18/2024	6/18/2024	
SW 846 8260B	Acetone	N/D	µg/Kg Dry	416	DB		6/18/2024	
SW 846 8260B	Acetonitrile	N/D	µg/Kg Dry	416	DB		6/18/2024	

Kevin O'Mara
Laboratory Director



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Royal Oak, MI 48073

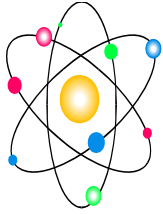
Test Report

Order ID: 2406010
MAS Sample #: 240606005
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-1 (2-4')
Physical Description: Soil
Sample Date/Time: 6/5/2024 10:10
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	Acrolein	N/D	µg/Kg Dry	208	DB		6/18/2024	
SW 846 8260B	Acrylonitrile	N/D	µg/Kg Dry	416	DB		6/18/2024	
SW 846 8260B	Benzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Bromobenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Bromochloromethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Bromoform	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Bromomethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Methyl Ethyl Ketone	N/D	µg/Kg Dry	416	DB		6/18/2024	
SW 846 8260B	N-butylbenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Sec-butylbenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Tert-butylbenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Carbon Disulfide	N/D	µg/Kg Dry	416	DB		6/18/2024	
SW 846 8260B	Carbon Tetrachloride	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Chlorobenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Chloroethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	2-Chloroethyl Vinyl Ether	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Chloroform	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Chloromethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	o-Chlorotoluene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Dibromochloromethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,2-Dibromo-3-chloropropane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Cis-1,2-dichloroethylene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Dibromomethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,2-Dichlorobenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,3-Dichlorobenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,4-Dichlorobenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Dichlorodifluoromethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,1-Dichloroethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,2-Dichloroethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,1-Dichloroethylene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,2-Dichloropropane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Ethylbenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	

Kevin O'Mara
Laboratory Director



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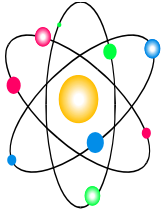
Test Report

Order ID: 2406010
MAS Sample #: 240606005
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-1 (2-4')
Physical Description: Soil
Sample Date/Time: 6/5/2024 10:10
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	2-Hexanone	N/D	µg/Kg Dry	416	DB		6/18/2024	
SW 846 8260B	Trans-1,2-dichloroethylene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Isopropylbenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Methyl Isobutyl Ketone	N/D	µg/Kg Dry	416	DB		6/18/2024	
SW 846 8260B	Diethyl Ether	N/D	µg/Kg Dry	416	DB		6/18/2024	
SW 846 8260B	2-Methylnaphthalene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Naphthalene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	4-Chlorotoluene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Iodomethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Styrene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Toluene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Bromodichloromethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,2,4-Trichlorobenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,2,3-Trichloropropane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,2,4-Trimethylbenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,1-Dichloropropene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,3-Dichloropropane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Trans-1,3-dichloropropene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Cis-1,3-dichloropropene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,2-Dibromoethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Methylene Chloride	N/D	µg/Kg Dry	208	DB		6/18/2024	
SW 846 8260B	Methyl T-Butyl Ether	N/D	µg/Kg Dry	416	DB		6/18/2024	
SW 846 8260B	2,2,4-Trimethylpentane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	n-Propyl Benzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,1,1,2-Tetrachloroethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,1,2,2-Tetrachloroethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Tetrachloroethene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,1,2-Trichloroethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,1,1-Trichloroethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Trichlorofluoromethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Trichloroethene	N/D	µg/Kg Dry	42	DB		6/18/2024	

Kevin O'Mara
Laboratory Director



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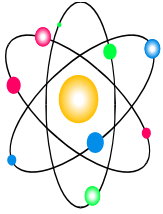
Test Report

Order ID: 2406010
MAS Sample #: 240606005
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-1 (2-4')
Physical Description: Soil
Sample Date/Time: 6/5/2024 10:10
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	1,3,5-Trimethylbenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Vinyl Acetate	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Vinyl Chloride	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,2,3-Trichlorobenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	4-Isopropyltoluene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,2,3- Trimethylbenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	2,2-Dichloropropane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	m,p-xylene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	o-Xylene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Xylene (Total)	N/D	µg/Kg Dry	125	DB		6/18/2024	

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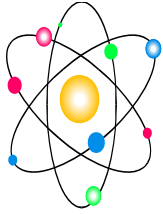
Test Report

Order ID: 2406010
MAS Sample #: 240606006
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-1 (10-12')
Physical Description: Soil
Sample Date/Time: 6/5/2024 10:13
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
	Total Metals:					06/11/2024		
SW 846 6010B	Arsenic	8300	µg/Kg Dry	176	MV		6/12/2024	
SW 846 6010B	Barium	200000	µg/Kg Dry	352	MV		6/12/2024	
SW 846 6010B	Cadmium	880	µg/Kg Dry	70	MV		6/12/2024	
SW 846 6010B	Chromium	6800	µg/Kg Dry	141	MV		6/12/2024	
SW 846 6010B	Copper	27000	µg/Kg Dry	352	MV		6/12/2024	
SW 846 6010B	Lead	430000	µg/Kg Dry	176	MV		6/12/2024	
SW 846 7471A	Mercury	460	µg/Kg Dry	28	MV		6/12/2024	
SW 846 6010B	Selenium	990	µg/Kg Dry	176	MV		6/12/2024	
SW 846 6010B	Silver	140	µg/Kg Dry	70	MV		6/12/2024	
SW 846 6010B	Zinc	380000	µg/Kg Dry	352	MV		6/12/2024	
SW 846 8270C	PNA				DB	6/18/2024	6/18/2024	
SW 846 8270C	Acenaphthene	N/D	µg/Kg Dry	282	DB		6/18/2024	
SW 846 8270C	Acenaphthylene	N/D	µg/Kg Dry	282	DB		6/18/2024	
SW 846 8270C	Anthracene	N/D	µg/Kg Dry	282	DB		6/18/2024	
SW 846 8270C	Benzo(a)anthracene	290	µg/Kg Dry	282	DB		6/18/2024	
SW 846 8270C	Benzo(b)fluoranthene	590	µg/Kg Dry	282	DB		6/18/2024	
SW 846 8270C	Benzo(k)fluoranthene	N/D	µg/Kg Dry	282	DB		6/18/2024	
SW 846 8270C	Benzo(g,h,i)perylene	N/D	µg/Kg Dry	282	DB		6/18/2024	
SW 846 8270C	Benzo [a]pyrene	410	µg/Kg Dry	282	DB		6/18/2024	
SW 846 8270C	Chrysene	N/D	µg/Kg Dry	282	DB		6/18/2024	
SW 846 8270C	Dibenz(a,h)anthracene	N/D	µg/Kg Dry	282	DB		6/18/2024	
SW 846 8270C	Fluoranthene	290	µg/Kg Dry	282	DB		6/18/2024	
SW 846 8270C	Fluorene	N/D	µg/Kg Dry	282	DB		6/18/2024	
SW 846 8270C	Indeno(1,2,3-cd)pyrene	N/D	µg/Kg Dry	282	DB		6/18/2024	
SW 846 8270C	2-Methylnaphthalene	N/D	µg/Kg Dry	282	DB		6/18/2024	
SW 846 8270C	Naphthalene	N/D	µg/Kg Dry	282	DB		6/18/2024	
SW 846 8270C	Phenanthrene	N/D	µg/Kg Dry	282	DB		6/18/2024	
SW 846 8270C	Pyrene	300	µg/Kg Dry	282	DB		6/18/2024	
SW 846 8260B	Volatile Organic Compounds:				DB	6/18/2024	6/18/2024	
SW 846 8260B	Acetone	N/D	µg/Kg Dry	559	DB		6/18/2024	
SW 846 8260B	Acetonitrile	N/D	µg/Kg Dry	559	DB		6/18/2024	

Kevin O'Mara
Laboratory Director



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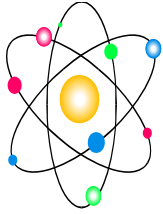
Test Report

Order ID: 2406010
MAS Sample #: 240606006
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-1 (10-12')
Physical Description: Soil
Sample Date/Time: 6/5/2024 10:13
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	Acrolein	N/D	µg/Kg Dry	279	DB		6/18/2024	
SW 846 8260B	Acrylonitrile	N/D	µg/Kg Dry	559	DB		6/18/2024	
SW 846 8260B	Benzene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Bromobenzene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Bromochloromethane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Bromoform	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Bromomethane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Methyl Ethyl Ketone	N/D	µg/Kg Dry	559	DB		6/18/2024	
SW 846 8260B	N-butylbenzene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Sec-butylbenzene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Tert-butylbenzene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Carbon Disulfide	N/D	µg/Kg Dry	559	DB		6/18/2024	
SW 846 8260B	Carbon Tetrachloride	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Chlorobenzene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Chloroethane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	2-Chloroethyl Vinyl Ether	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Chloroform	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Chloromethane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	o-Chlorotoluene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Dibromochloromethane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	1,2-Dibromo-3-chloropropane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Cis-1,2-dichloroethylene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Dibromomethane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	1,2-Dichlorobenzene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	1,3-Dichlorobenzene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	1,4-Dichlorobenzene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Dichlorodifluoromethane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	1,1-Dichloroethane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	1,2-Dichloroethane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	1,1-Dichloroethylene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	1,2-Dichloropropane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Ethylbenzene	N/D	µg/Kg Dry	56	DB		6/18/2024	

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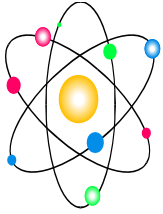
Test Report

Order ID: 2406010
MAS Sample #: 240606006
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-1 (10-12')
Physical Description: Soil
Sample Date/Time: 6/5/2024 10:13
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	2-Hexanone	N/D	µg/Kg Dry	559	DB		6/18/2024	
SW 846 8260B	Trans-1,2-dichloroethylene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Isopropylbenzene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Methyl Isobutyl Ketone	N/D	µg/Kg Dry	559	DB		6/18/2024	
SW 846 8260B	Diethyl Ether	N/D	µg/Kg Dry	559	DB		6/18/2024	
SW 846 8260B	2-Methylnaphthalene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Naphthalene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	4-Chlorotoluene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Iodomethane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Styrene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Toluene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Bromodichloromethane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	1,2,4-Trichlorobenzene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	1,2,3-Trichloropropane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	1,2,4-Trimethylbenzene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	1,1-Dichloropropene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	1,3-Dichloropropane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Trans-1,3-dichloropropene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Cis-1,3-dichloropropene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	1,2-Dibromoethane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Methylene Chloride	N/D	µg/Kg Dry	279	DB		6/18/2024	
SW 846 8260B	Methyl T-Butyl Ether	N/D	µg/Kg Dry	559	DB		6/18/2024	
SW 846 8260B	2,2,4-Trimethylpentane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	n-Propyl Benzene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	1,1,1,2-Tetrachloroethane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	1,1,2,2-Tetrachloroethane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Tetrachloroethene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	1,1,2-Trichloroethane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	1,1,1-Trichloroethane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Trichlorofluoromethane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Trichloroethene	N/D	µg/Kg Dry	56	DB		6/18/2024	

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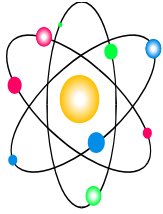
Test Report

Order ID: 2406010
MAS Sample #: 240606006
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-1 (10-12')
Physical Description: Soil
Sample Date/Time: 6/5/2024 10:13
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	1,3,5-Trimethylbenzene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Vinyl Acetate	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Vinyl Chloride	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	1,2,3-Trichlorobenzene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	4-Isopropyltoluene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	1,2,3- Trimethylbenzene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	2,2-Dichloropropane	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	m,p-xylene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	o-Xylene	N/D	µg/Kg Dry	56	DB		6/18/2024	
SW 846 8260B	Xylene (Total)	N/D	µg/Kg Dry	168	DB		6/18/2024	

Kevin O'Mara
Laboratory Director



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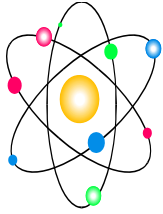
Test Report

Order ID: 2406010
MAS Sample #: 240606007
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-2 (4-6)
Physical Description: Soil
Sample Date/Time: 6/5/2024 10:59
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
	Total Metals:					06/11/2024		
SW 846 6010B	Arsenic	14000	µg/Kg Dry	149	MV		6/12/2024	
SW 846 6010B	Barium	72000	µg/Kg Dry	298	MV		6/12/2024	
SW 846 6010B	Cadmium	630	µg/Kg Dry	60	MV		6/12/2024	
SW 846 6010B	Chromium	11000	µg/Kg Dry	119	MV		6/12/2024	
SW 846 6010B	Copper	38000	µg/Kg Dry	298	MV		6/12/2024	
SW 846 6010B	Lead	94000	µg/Kg Dry	149	MV		6/12/2024	
SW 846 7471A	Mercury	50	µg/Kg Dry	24	MV		6/12/2024	
SW 846 6010B	Selenium	250	µg/Kg Dry	149	MV		6/12/2024	
SW 846 6010B	Silver	N/D	µg/Kg Dry	60	MV		6/12/2024	
SW 846 6010B	Zinc	140000	µg/Kg Dry	298	MV		6/12/2024	
SW 846 8270C	PNA				DB	6/18/2024	6/18/2024	
SW 846 8270C	Acenaphthene	N/D	µg/Kg Dry	238	DB		6/18/2024	
SW 846 8270C	Acenaphthylene	N/D	µg/Kg Dry	238	DB		6/18/2024	
SW 846 8270C	Anthracene	N/D	µg/Kg Dry	238	DB		6/18/2024	
SW 846 8270C	Benzo(a)anthracene	1000	µg/Kg Dry	238	DB		6/18/2024	
SW 846 8270C	Benzo(b)fluoranthene	1600	µg/Kg Dry	238	DB		6/18/2024	
SW 846 8270C	Benzo(k)fluoranthene	730	µg/Kg Dry	238	DB		6/18/2024	
SW 846 8270C	Benzo(g,h,i)perylene	380	µg/Kg Dry	238	DB		6/18/2024	
SW 846 8270C	Benzo [a]pyrene	1100	µg/Kg Dry	238	DB		6/18/2024	
SW 846 8270C	Chrysene	940	µg/Kg Dry	238	DB		6/18/2024	
SW 846 8270C	Dibenz(a,h)anthracene	N/D	µg/Kg Dry	238	DB		6/18/2024	
SW 846 8270C	Fluoranthene	1700	µg/Kg Dry	238	DB		6/18/2024	
SW 846 8270C	Fluorene	N/D	µg/Kg Dry	238	DB		6/18/2024	
SW 846 8270C	Indeno(1,2,3-cd)pyrene	480	µg/Kg Dry	238	DB		6/18/2024	
SW 846 8270C	2-Methylnaphthalene	N/D	µg/Kg Dry	238	DB		6/18/2024	
SW 846 8270C	Naphthalene	N/D	µg/Kg Dry	238	DB		6/18/2024	
SW 846 8270C	Phenanthrene	650	µg/Kg Dry	238	DB		6/18/2024	
SW 846 8270C	Pyrene	1600	µg/Kg Dry	238	DB		6/18/2024	
SW 846 8260B	Volatile Organic Compounds:				DB	6/18/2024	6/18/2024	EXP
SW 846 8260B	Acetone	N/D	µg/Kg Dry	518	DB		6/18/2024	
SW 846 8260B	Acetonitrile	N/D	µg/Kg Dry	518	DB		6/18/2024	

Kevin O'Mara
Laboratory Director



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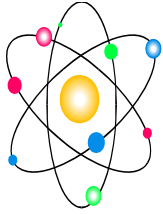
Test Report

Order ID: 2406010
MAS Sample #: 240606007
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-2 (4-6)
Physical Description: Soil
Sample Date/Time: 6/5/2024 10:59
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	Acrolein	N/D	µg/Kg Dry	259	DB		6/18/2024	
SW 846 8260B	Acrylonitrile	N/D	µg/Kg Dry	518	DB		6/18/2024	
SW 846 8260B	Benzene	62	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Bromobenzene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Bromochloromethane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Bromoform	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Bromomethane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Methyl Ethyl Ketone	N/D	µg/Kg Dry	518	DB		6/18/2024	
SW 846 8260B	N-butylbenzene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Sec-butylbenzene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Tert-butylbenzene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Carbon Disulfide	N/D	µg/Kg Dry	518	DB		6/18/2024	
SW 846 8260B	Carbon Tetrachloride	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Chlorobenzene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Chloroethane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	2-Chloroethyl Vinyl Ether	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Chloroform	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Chloromethane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	o-Chlorotoluene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Dibromochloromethane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	1,2-Dibromo-3-chloropropane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Cis-1,2-dichloroethylene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Dibromomethane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	1,2-Dichlorobenzene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	1,3-Dichlorobenzene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	1,4-Dichlorobenzene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Dichlorodifluoromethane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	1,1-Dichloroethane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	1,2-Dichloroethane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	1,1-Dichloroethylene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	1,2-Dichloropropane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Ethylbenzene	90	µg/Kg Dry	52	DB		6/18/2024	

Kevin O'Mara
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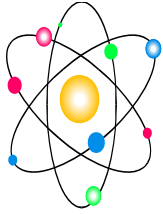
Test Report

Order ID: 2406010
MAS Sample #: 240606007
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-2 (4-6)
Physical Description: Soil
Sample Date/Time: 6/5/2024 10:59
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	2-Hexanone	N/D	µg/Kg Dry	518	DB		6/18/2024	
SW 846 8260B	Trans-1,2-dichloroethylene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Isopropylbenzene	74	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Methyl Isobutyl Ketone	N/D	µg/Kg Dry	518	DB		6/18/2024	
SW 846 8260B	Diethyl Ether	N/D	µg/Kg Dry	518	DB		6/18/2024	
SW 846 8260B	2-Methylnaphthalene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Naphthalene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	4-Chlorotoluene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Iodomethane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Styrene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Toluene	340	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Bromodichloromethane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	1,2,4-Trichlorobenzene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	1,2,3-Trichloropropane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	1,2,4-Trimethylbenzene	270	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	1,1-Dichloropropene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	1,3-Dichloropropane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Trans-1,3-dichloropropene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Cis-1,3-dichloropropene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	1,2-Dibromoethane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Methylene Chloride	N/D	µg/Kg Dry	259	DB		6/18/2024	
SW 846 8260B	Methyl T-Butyl Ether	N/D	µg/Kg Dry	518	DB		6/18/2024	
SW 846 8260B	2,2,4-Trimethylpentane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	n-Propyl Benzene	78	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	1,1,1,2-Tetrachloroethane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	1,1,2,2-Tetrachloroethane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Tetrachloroethene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	1,1,2-Trichloroethane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	1,1,1-Trichloroethane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Trichlorofluoromethane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Trichloroethene	N/D	µg/Kg Dry	52	DB		6/18/2024	

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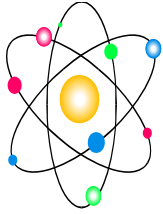
Test Report

Order ID: 2406010
MAS Sample #: 240606007
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-2 (4-6)
Physical Description: Soil
Sample Date/Time: 6/5/2024 10:59
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	1,3,5-Trimethylbenzene	87	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Vinyl Acetate	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Vinyl Chloride	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	1,2,3-Trichlorobenzene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	4-Isopropyltoluene	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	1,2,3- Trimethylbenzene	260	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	2,2-Dichloropropane	N/D	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	m,p-xylene	560	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	o-Xylene	380	µg/Kg Dry	52	DB		6/18/2024	
SW 846 8260B	Xylene (Total)	1000	µg/Kg Dry	155	DB		6/18/2024	

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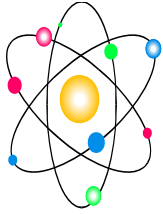
Test Report

Order ID: 2406010
MAS Sample #: 240606009
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-3 (4-6")
Physical Description: Soil
Sample Date/Time: 6/5/2024 12:30
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
	Total Metals:					06/11/2024		
SW 846 6010B	Arsenic	10000	µg/Kg Dry	139	MV		6/12/2024	
SW 846 6010B	Barium	58000	µg/Kg Dry	278	MV		6/12/2024	
SW 846 6010B	Cadmium	360	µg/Kg Dry	56	MV		6/12/2024	
SW 846 6010B	Chromium	9200	µg/Kg Dry	111	MV		6/12/2024	
SW 846 6010B	Copper	15000	µg/Kg Dry	278	MV		6/12/2024	
SW 846 6010B	Lead	37000	µg/Kg Dry	139	MV		6/12/2024	
SW 846 7471A	Mercury	48	µg/Kg Dry	22	MV		6/12/2024	
SW 846 6010B	Selenium	N/D	µg/Kg Dry	139	MV		6/12/2024	
SW 846 6010B	Silver	N/D	µg/Kg Dry	56	MV		6/12/2024	
SW 846 6010B	Zinc	58000	µg/Kg Dry	278	MV		6/12/2024	
SW 846 8270C	PNA				DB	6/18/2024	6/18/2024	
SW 846 8270C	Acenaphthene	N/D	µg/Kg Dry	222	DB		6/18/2024	
SW 846 8270C	Acenaphthylene	1600	µg/Kg Dry	222	DB		6/18/2024	
SW 846 8270C	Anthracene	2500	µg/Kg Dry	222	DB		6/18/2024	
SW 846 8270C	Benzo(a)anthracene	6200	µg/Kg Dry	222	DB		6/18/2024	
SW 846 8270C	Benzo(b)fluoranthene	8400	µg/Kg Dry	222	DB		6/18/2024	
SW 846 8270C	Benzo(k)fluoranthene	3700	µg/Kg Dry	222	DB		6/18/2024	
SW 846 8270C	Benzo(g,h,i)perylene	2300	µg/Kg Dry	222	DB		6/18/2024	
SW 846 8270C	Benzo [a]pyrene	6200	µg/Kg Dry	222	DB		6/18/2024	
SW 846 8270C	Chrysene	5300	µg/Kg Dry	222	DB		6/18/2024	
SW 846 8270C	Dibenz(a,h)anthracene	700	µg/Kg Dry	222	DB		6/18/2024	
SW 846 8270C	Fluoranthene	12000	µg/Kg Dry	222	DB		6/18/2024	
SW 846 8270C	Fluorene	620	µg/Kg Dry	222	DB		6/18/2024	
SW 846 8270C	Indeno(1,2,3-cd)pyrene	2700	µg/Kg Dry	222	DB		6/18/2024	
SW 846 8270C	2-Methylnaphthalene	250	µg/Kg Dry	222	DB		6/18/2024	
SW 846 8270C	Naphthalene	N/D	µg/Kg Dry	222	DB		6/18/2024	
SW 846 8270C	Phenanthrene	9500	µg/Kg Dry	222	DB		6/18/2024	
SW 846 8270C	Pyrene	10000	µg/Kg Dry	222	DB		6/18/2024	
SW 846 8260B	Volatile Organic Compounds:				DB	6/18/2024	6/18/2024	
SW 846 8260B	Acetone	N/D	µg/Kg Dry	426	DB		6/18/2024	
SW 846 8260B	Acetonitrile	N/D	µg/Kg Dry	426	DB		6/18/2024	

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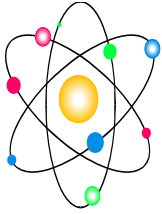
Test Report

Order ID: 2406010
MAS Sample #: 240606009
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-3 (4-6")
Physical Description: Soil
Sample Date/Time: 6/5/2024 12:30
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	Acrolein	N/D	µg/Kg Dry	213	DB		6/18/2024	
SW 846 8260B	Acrylonitrile	N/D	µg/Kg Dry	426	DB		6/18/2024	
SW 846 8260B	Benzene	56	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Bromobenzene	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Bromochloromethane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Bromoform	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Bromomethane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Methyl Ethyl Ketone	N/D	µg/Kg Dry	426	DB		6/18/2024	
SW 846 8260B	N-butylbenzene	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Sec-butylbenzene	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Tert-butylbenzene	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Carbon Disulfide	N/D	µg/Kg Dry	426	DB		6/18/2024	
SW 846 8260B	Carbon Tetrachloride	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Chlorobenzene	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Chloroethane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	2-Chloroethyl Vinyl Ether	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Chloroform	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Chloromethane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	o-Chlorotoluene	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Dibromochloromethane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	1,2-Dibromo-3-chloropropane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Cis-1,2-dichloroethylene	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Dibromomethane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	1,2-Dichlorobenzene	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	1,3-Dichlorobenzene	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	1,4-Dichlorobenzene	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Dichlorodifluoromethane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	1,1-Dichloroethane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	1,2-Dichloroethane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	1,1-Dichloroethylene	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	1,2-Dichloropropane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Ethylbenzene	230	µg/Kg Dry	43	DB		6/18/2024	

Kevin O'Mara
Laboratory Director



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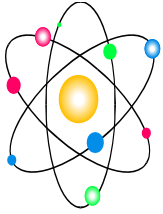
Test Report

Order ID: 2406010
MAS Sample #: 240606009
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-3 (4-6")
Physical Description: Soil
Sample Date/Time: 6/5/2024 12:30
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	2-Hexanone	N/D	µg/Kg Dry	426	DB		6/18/2024	
SW 846 8260B	Trans-1,2-dichloroethylene	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Isopropylbenzene	49	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Methyl Isobutyl Ketone	N/D	µg/Kg Dry	426	DB		6/18/2024	
SW 846 8260B	Diethyl Ether	N/D	µg/Kg Dry	426	DB		6/18/2024	
SW 846 8260B	2-Methylnaphthalene	550	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Naphthalene	350	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	4-Chlorotoluene	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Iodomethane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Styrene	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Toluene	1300	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Bromodichloromethane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	1,2,4-Trichlorobenzene	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	1,2,3-Trichloropropane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	1,2,4-Trimethylbenzene	410	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	1,1-Dichloropropene	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	1,3-Dichloropropane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Trans-1,3-dichloropropene	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Cis-1,3-dichloropropene	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	1,2-Dibromoethane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Methylene Chloride	N/D	µg/Kg Dry	213	DB		6/18/2024	
SW 846 8260B	Methyl T-Butyl Ether	N/D	µg/Kg Dry	426	DB		6/18/2024	
SW 846 8260B	2,2,4-Trimethylpentane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	n-Propyl Benzene	80	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	1,1,1,2-Tetrachloroethane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	1,1,2,2-Tetrachloroethane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Tetrachloroethene	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	1,1,2-Trichloroethane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	1,1,1-Trichloroethane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Trichlorofluoromethane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Trichloroethene	N/D	µg/Kg Dry	43	DB		6/18/2024	

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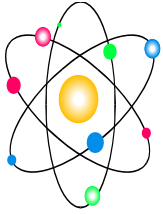
Test Report

Order ID: 2406010
MAS Sample #: 240606009
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-3 (4-6")
Physical Description: Soil
Sample Date/Time: 6/5/2024 12:30
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	1,3,5-Trimethylbenzene	130	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Vinyl Acetate	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Vinyl Chloride	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	1,2,3-Trichlorobenzene	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	4-Isopropyltoluene	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	1,2,3- Trimethylbenzene	150	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	2,2-Dichloropropane	N/D	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	m,p-xylene	1900	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	o-Xylene	740	µg/Kg Dry	43	DB		6/18/2024	
SW 846 8260B	Xylene (Total)	2700	µg/Kg Dry	128	DB		6/18/2024	

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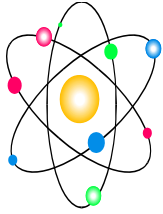
Test Report

Order ID: 2406010
MAS Sample #: 240606010
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-3 (12-14')
Physical Description: Soil
Sample Date/Time: 6/5/2024 12:35
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
	Total Metals:					06/11/2024		
SW 846 6010B	Arsenic	12000	µg/Kg Dry	169	MV		6/12/2024	
SW 846 6010B	Barium	87000	µg/Kg Dry	338	MV		6/12/2024	
SW 846 6010B	Cadmium	1200	µg/Kg Dry	68	MV		6/12/2024	
SW 846 6010B	Chromium	8300	µg/Kg Dry	135	MV		6/12/2024	
SW 846 6010B	Copper	48000	µg/Kg Dry	338	MV		6/12/2024	
SW 846 6010B	Lead	58000	µg/Kg Dry	169	MV		6/12/2024	
SW 846 7471A	Mercury	N/D	µg/Kg Dry	27	MV		6/12/2024	
SW 846 6010B	Selenium	5000	µg/Kg Dry	169	MV		6/12/2024	
SW 846 6010B	Silver	N/D	µg/Kg Dry	68	MV		6/12/2024	
SW 846 6010B	Zinc	330000	µg/Kg Dry	338	MV		6/12/2024	
SW 846 8270C	PNA				DB	6/18/2024	6/18/2024	
SW 846 8270C	Acenaphthene	N/D	µg/Kg Dry	270	DB		6/18/2024	
SW 846 8270C	Acenaphthylene	N/D	µg/Kg Dry	270	DB		6/18/2024	
SW 846 8270C	Anthracene	N/D	µg/Kg Dry	270	DB		6/18/2024	
SW 846 8270C	Benzo(a)anthracene	N/D	µg/Kg Dry	270	DB		6/18/2024	
SW 846 8270C	Benzo(b)fluoranthene	N/D	µg/Kg Dry	270	DB		6/18/2024	
SW 846 8270C	Benzo(k)fluoranthene	N/D	µg/Kg Dry	270	DB		6/18/2024	
SW 846 8270C	Benzo(g,h,i)perylene	N/D	µg/Kg Dry	270	DB		6/18/2024	
SW 846 8270C	Benzo [a]pyrene	N/D	µg/Kg Dry	270	DB		6/18/2024	
SW 846 8270C	Chrysene	N/D	µg/Kg Dry	270	DB		6/18/2024	
SW 846 8270C	Dibenz(a,h)anthracene	N/D	µg/Kg Dry	270	DB		6/18/2024	
SW 846 8270C	Fluoranthene	N/D	µg/Kg Dry	270	DB		6/18/2024	
SW 846 8270C	Fluorene	N/D	µg/Kg Dry	270	DB		6/18/2024	
SW 846 8270C	Indeno(1,2,3-cd)pyrene	N/D	µg/Kg Dry	270	DB		6/18/2024	
SW 846 8270C	2-Methylnaphthalene	N/D	µg/Kg Dry	270	DB		6/18/2024	
SW 846 8270C	Naphthalene	N/D	µg/Kg Dry	270	DB		6/18/2024	
SW 846 8270C	Phenanthrene	N/D	µg/Kg Dry	270	DB		6/18/2024	
SW 846 8270C	Pyrene	N/D	µg/Kg Dry	270	DB		6/18/2024	
SW 846 8260B	Volatile Organic Compounds:				DB	6/18/2024	6/18/2024	
SW 846 8260B	Acetone	N/D	µg/Kg Dry	535	DB		6/18/2024	
SW 846 8260B	Acetonitrile	N/D	µg/Kg Dry	535	DB		6/18/2024	

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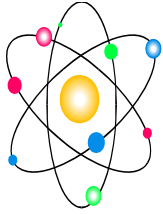
Test Report

Order ID: 2406010
MAS Sample #: 240606010
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-3 (12-14')
Physical Description: Soil
Sample Date/Time: 6/5/2024 12:35
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	Acrolein	N/D	µg/Kg Dry	268	DB		6/18/2024	
SW 846 8260B	Acrylonitrile	N/D	µg/Kg Dry	535	DB		6/18/2024	
SW 846 8260B	Benzene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Bromobenzene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Bromochloromethane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Bromoform	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Bromomethane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Methyl Ethyl Ketone	N/D	µg/Kg Dry	535	DB		6/18/2024	
SW 846 8260B	N-butylbenzene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Sec-butylbenzene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Tert-butylbenzene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Carbon Disulfide	N/D	µg/Kg Dry	535	DB		6/18/2024	
SW 846 8260B	Carbon Tetrachloride	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Chlorobenzene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Chloroethane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	2-Chloroethyl Vinyl Ether	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Chloroform	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Chloromethane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	o-Chlorotoluene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Dibromochloromethane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	1,2-Dibromo-3-chloropropane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Cis-1,2-dichloroethylene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Dibromomethane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	1,2-Dichlorobenzene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	1,3-Dichlorobenzene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	1,4-Dichlorobenzene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Dichlorodifluoromethane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	1,1-Dichloroethane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	1,2-Dichloroethane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	1,1-Dichloroethylene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	1,2-Dichloropropane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Ethylbenzene	N/D	µg/Kg Dry	54	DB		6/18/2024	

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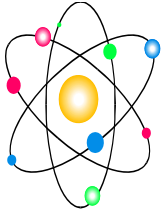
Test Report

Order ID: 2406010
MAS Sample #: 240606010
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-3 (12-14')
Physical Description: Soil
Sample Date/Time: 6/5/2024 12:35
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	2-Hexanone	N/D	µg/Kg Dry	535	DB		6/18/2024	
SW 846 8260B	Trans-1,2-dichloroethylene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Isopropylbenzene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Methyl Isobutyl Ketone	N/D	µg/Kg Dry	535	DB		6/18/2024	
SW 846 8260B	Diethyl Ether	N/D	µg/Kg Dry	535	DB		6/18/2024	
SW 846 8260B	2-Methylnaphthalene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Naphthalene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	4-Chlorotoluene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Iodomethane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Styrene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Toluene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Bromodichloromethane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	1,2,4-Trichlorobenzene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	1,2,3-Trichloropropane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	1,2,4-Trimethylbenzene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	1,1-Dichloropropene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	1,3-Dichloropropane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Trans-1,3-dichloropropene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Cis-1,3-dichloropropene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	1,2-Dibromoethane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Methylene Chloride	N/D	µg/Kg Dry	268	DB		6/18/2024	
SW 846 8260B	Methyl T-Butyl Ether	N/D	µg/Kg Dry	535	DB		6/18/2024	
SW 846 8260B	2,2,4-Trimethylpentane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	n-Propyl Benzene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	1,1,1,2-Tetrachloroethane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	1,1,2,2-Tetrachloroethane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Tetrachloroethene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	1,1,2-Trichloroethane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	1,1,1-Trichloroethane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Trichlorofluoromethane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Trichloroethene	N/D	µg/Kg Dry	54	DB		6/18/2024	

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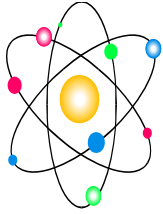
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Order ID: 2406010
MAS Sample #: 240606010
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-3 (12-14')
Physical Description: Soil
Sample Date/Time: 6/5/2024 12:35
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	1,3,5-Trimethylbenzene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Vinyl Acetate	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Vinyl Chloride	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	1,2,3-Trichlorobenzene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	4-Isopropyltoluene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	1,2,3- Trimethylbenzene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	2,2-Dichloropropane	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	m,p-xylene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	o-Xylene	N/D	µg/Kg Dry	54	DB		6/18/2024	
SW 846 8260B	Xylene (Total)	N/D	µg/Kg Dry	161	DB		6/18/2024	

Kevin O'Mara
Laboratory Director



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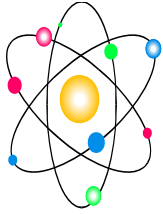
Test Report

Order ID: 2406010
MAS Sample #: 240606012
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-4 (12-14')
Physical Description: Soil
Sample Date/Time: 6/5/2024 14:15
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
	Total Metals:					06/11/2024		
SW 846 6010B	Arsenic	56000	µg/Kg Dry	162	MV		6/12/2024	
SW 846 6010B	Barium	42000	µg/Kg Dry	325	MV		6/12/2024	
SW 846 6010B	Cadmium	430	µg/Kg Dry	65	MV		6/12/2024	
SW 846 6010B	Chromium	9500	µg/Kg Dry	130	MV		6/12/2024	
SW 846 6010B	Copper	37000	µg/Kg Dry	325	MV		6/12/2024	
SW 846 6010B	Lead	460000	µg/Kg Dry	162	MV		6/12/2024	
SW 846 7471A	Mercury	37	µg/Kg Dry	26	MV		6/12/2024	
SW 846 6010B	Selenium	N/D	µg/Kg Dry	162	MV		6/12/2024	
SW 846 6010B	Silver	N/D	µg/Kg Dry	65	MV		6/12/2024	
SW 846 6010B	Zinc	70000	µg/Kg Dry	325	MV		6/12/2024	
SW 846 8270C	PNA				DB	6/18/2024	6/19/2024	
SW 846 8270C	Acenaphthene	N/D	µg/Kg Dry	260	DB		6/19/2024	
SW 846 8270C	Acenaphthylene	N/D	µg/Kg Dry	260	DB		6/19/2024	
SW 846 8270C	Anthracene	N/D	µg/Kg Dry	260	DB		6/19/2024	
SW 846 8270C	Benzo(a)anthracene	N/D	µg/Kg Dry	260	DB		6/19/2024	
SW 846 8270C	Benzo(b)fluoranthene	N/D	µg/Kg Dry	260	DB		6/19/2024	
SW 846 8270C	Benzo(k)fluoranthene	N/D	µg/Kg Dry	260	DB		6/19/2024	
SW 846 8270C	Benzo(g,h,i)perylene	N/D	µg/Kg Dry	260	DB		6/19/2024	
SW 846 8270C	Benzo [a]pyrene	N/D	µg/Kg Dry	260	DB		6/19/2024	
SW 846 8270C	Chrysene	N/D	µg/Kg Dry	260	DB		6/19/2024	
SW 846 8270C	Dibenz(a,h)anthracene	N/D	µg/Kg Dry	260	DB		6/19/2024	
SW 846 8270C	Fluoranthene	N/D	µg/Kg Dry	260	DB		6/19/2024	
SW 846 8270C	Fluorene	N/D	µg/Kg Dry	260	DB		6/19/2024	
SW 846 8270C	Indeno(1,2,3-cd)pyrene	N/D	µg/Kg Dry	260	DB		6/19/2024	
SW 846 8270C	2-Methylnaphthalene	N/D	µg/Kg Dry	260	DB		6/19/2024	
SW 846 8270C	Naphthalene	N/D	µg/Kg Dry	260	DB		6/19/2024	
SW 846 8270C	Phenanthrene	N/D	µg/Kg Dry	260	DB		6/19/2024	
SW 846 8270C	Pyrene	N/D	µg/Kg Dry	260	DB		6/19/2024	
SW 846 8260B	Volatile Organic Compounds:				DB	6/18/2024	6/18/2024	
SW 846 8260B	Acetone	N/D	µg/Kg Dry	489	DB		6/18/2024	
SW 846 8260B	Acetonitrile	N/D	µg/Kg Dry	489	DB		6/18/2024	

Kevin O'Mara
Laboratory Director



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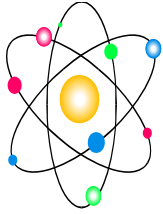
Test Report

Order ID: 2406010
MAS Sample #: 240606012
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-4 (12-14')
Physical Description: Soil
Sample Date/Time: 6/5/2024 14:15
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	Acrolein	N/D	µg/Kg Dry	244	DB		6/18/2024	
SW 846 8260B	Acrylonitrile	N/D	µg/Kg Dry	489	DB		6/18/2024	
SW 846 8260B	Benzene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Bromobenzene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Bromochloromethane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Bromoform	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Bromomethane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Methyl Ethyl Ketone	N/D	µg/Kg Dry	489	DB		6/18/2024	
SW 846 8260B	N-butylbenzene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Sec-butylbenzene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Tert-butylbenzene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Carbon Disulfide	N/D	µg/Kg Dry	489	DB		6/18/2024	
SW 846 8260B	Carbon Tetrachloride	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Chlorobenzene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Chloroethane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	2-Chloroethyl Vinyl Ether	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Chloroform	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Chloromethane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	o-Chlorotoluene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Dibromochloromethane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	1,2-Dibromo-3-chloropropane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Cis-1,2-dichloroethylene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Dibromomethane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	1,2-Dichlorobenzene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	1,3-Dichlorobenzene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	1,4-Dichlorobenzene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Dichlorodifluoromethane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	1,1-Dichloroethane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	1,2-Dichloroethane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	1,1-Dichloroethylene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	1,2-Dichloropropane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Ethylbenzene	N/D	µg/Kg Dry	49	DB		6/18/2024	

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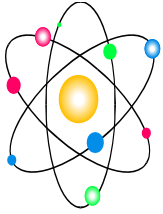
Test Report

Order ID: 2406010
MAS Sample #: 240606012
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-4 (12-14')
Physical Description: Soil
Sample Date/Time: 6/5/2024 14:15
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	2-Hexanone	N/D	µg/Kg Dry	489	DB		6/18/2024	
SW 846 8260B	Trans-1,2-dichloroethylene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Isopropylbenzene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Methyl Isobutyl Ketone	N/D	µg/Kg Dry	489	DB		6/18/2024	
SW 846 8260B	Diethyl Ether	N/D	µg/Kg Dry	489	DB		6/18/2024	
SW 846 8260B	2-Methylnaphthalene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Naphthalene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	4-Chlorotoluene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Iodomethane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Styrene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Toluene	140	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Bromodichloromethane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	1,2,4-Trichlorobenzene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	1,2,3-Trichloropropane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	1,2,4-Trimethylbenzene	66	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	1,1-Dichloropropene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	1,3-Dichloropropane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Trans-1,3-dichloropropene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Cis-1,3-dichloropropene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	1,2-Dibromoethane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Methylene Chloride	N/D	µg/Kg Dry	244	DB		6/18/2024	
SW 846 8260B	Methyl T-Butyl Ether	N/D	µg/Kg Dry	489	DB		6/18/2024	
SW 846 8260B	2,2,4-Trimethylpentane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	n-Propyl Benzene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	1,1,1,2-Tetrachloroethane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	1,1,2,2-Tetrachloroethane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Tetrachloroethene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	1,1,2-Trichloroethane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	1,1,1-Trichloroethane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Trichlorofluoromethane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Trichloroethene	N/D	µg/Kg Dry	49	DB		6/18/2024	

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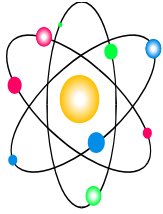
Test Report

Order ID: 2406010
MAS Sample #: 240606012
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-4 (12-14')
Physical Description: Soil
Sample Date/Time: 6/5/2024 14:15
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	1,3,5-Trimethylbenzene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Vinyl Acetate	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Vinyl Chloride	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	1,2,3-Trichlorobenzene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	4-Isopropyltoluene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	1,2,3- Trimethylbenzene	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	2,2-Dichloropropane	N/D	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	m,p-xylene	200	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	o-Xylene	97	µg/Kg Dry	49	DB		6/18/2024	
SW 846 8260B	Xylene (Total)	300	µg/Kg Dry	147	DB		6/18/2024	

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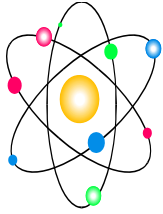
Test Report

Order ID: 2406010
MAS Sample #: 240606013
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-5 (0-2')
Physical Description: Soil
Sample Date/Time: 6/5/2024 16:29
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
	Total Metals:					06/11/2024		
SW 846 6010B	Arsenic	16000	µg/Kg Dry	136	MV		6/12/2024	
SW 846 6010B	Barium	85000	µg/Kg Dry	272	MV		6/12/2024	
SW 846 6010B	Cadmium	320	µg/Kg Dry	54	MV		6/12/2024	
SW 846 6010B	Chromium	10000	µg/Kg Dry	109	MV		6/12/2024	
SW 846 6010B	Copper	25000	µg/Kg Dry	272	MV		6/12/2024	
SW 846 6010B	Lead	24000	µg/Kg Dry	136	MV		6/12/2024	
SW 846 7471A	Mercury	55	µg/Kg Dry	22	MV		6/12/2024	
SW 846 6010B	Selenium	N/D	µg/Kg Dry	136	MV		6/12/2024	
SW 846 6010B	Silver	N/D	µg/Kg Dry	54	MV		6/12/2024	
SW 846 6010B	Zinc	36000	µg/Kg Dry	272	MV		6/12/2024	
SW 846 8270C	PNA				DB	6/18/2024	6/19/2024	
SW 846 8270C	Acenaphthene	N/D	µg/Kg Dry	217	DB		6/19/2024	
SW 846 8270C	Acenaphthylene	560	µg/Kg Dry	217	DB		6/19/2024	
SW 846 8270C	Anthracene	830	µg/Kg Dry	217	DB		6/19/2024	
SW 846 8270C	Benzo(a)anthracene	3700	µg/Kg Dry	217	DB		6/19/2024	
SW 846 8270C	Benzo(b)fluoranthene	4800	µg/Kg Dry	217	DB		6/19/2024	
SW 846 8270C	Benzo(k)fluoranthene	2100	µg/Kg Dry	217	DB		6/19/2024	
SW 846 8270C	Benzo(g,h,i)perylene	1200	µg/Kg Dry	217	DB		6/19/2024	
SW 846 8270C	Benzo [a]pyrene	3200	µg/Kg Dry	217	DB		6/19/2024	
SW 846 8270C	Chrysene	3300	µg/Kg Dry	217	DB		6/19/2024	
SW 846 8270C	Dibenz(a,h)anthracene	410	µg/Kg Dry	217	DB		6/19/2024	
SW 846 8270C	Fluoranthene	6100	µg/Kg Dry	217	DB		6/19/2024	
SW 846 8270C	Fluorene	240	µg/Kg Dry	217	DB		6/19/2024	
SW 846 8270C	Indeno(1,2,3-cd)pyrene	1200	µg/Kg Dry	217	DB		6/19/2024	
SW 846 8270C	2-Methylnaphthalene	300	µg/Kg Dry	217	DB		6/19/2024	
SW 846 8270C	Naphthalene	230	µg/Kg Dry	217	DB		6/19/2024	
SW 846 8270C	Phenanthrene	3400	µg/Kg Dry	217	DB		6/19/2024	
SW 846 8270C	Pyrene	5000	µg/Kg Dry	217	DB		6/19/2024	
SW 846 8260B	Volatile Organic Compounds:				DB	6/18/2024	6/18/2024	
SW 846 8260B	Acetone	N/D	µg/Kg Dry	416	DB		6/18/2024	
SW 846 8260B	Acetonitrile	N/D	µg/Kg Dry	416	DB		6/18/2024	

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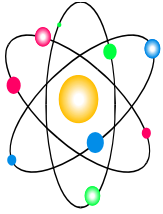
Test Report

Order ID: 2406010
MAS Sample #: 240606013
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-5 (0-2')
Physical Description: Soil
Sample Date/Time: 6/5/2024 16:29
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	Acrolein	N/D	µg/Kg Dry	208	DB		6/18/2024	
SW 846 8260B	Acrylonitrile	N/D	µg/Kg Dry	416	DB		6/18/2024	
SW 846 8260B	Benzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Bromobenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Bromochloromethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Bromoform	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Bromomethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Methyl Ethyl Ketone	N/D	µg/Kg Dry	416	DB		6/18/2024	
SW 846 8260B	N-butylbenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Sec-butylbenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Tert-butylbenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Carbon Disulfide	N/D	µg/Kg Dry	416	DB		6/18/2024	
SW 846 8260B	Carbon Tetrachloride	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Chlorobenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Chloroethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	2-Chloroethyl Vinyl Ether	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Chloroform	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Chloromethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	o-Chlorotoluene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Dibromochloromethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,2-Dibromo-3-chloropropane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Cis-1,2-dichloroethylene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Dibromomethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,2-Dichlorobenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,3-Dichlorobenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,4-Dichlorobenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Dichlorodifluoromethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,1-Dichloroethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,2-Dichloroethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,1-Dichloroethylene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,2-Dichloropropane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Ethylbenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	

Kevin O'Mara
Laboratory Director



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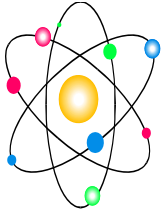
Test Report

Order ID: 2406010
MAS Sample #: 240606013
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-5 (0-2')
Physical Description: Soil
Sample Date/Time: 6/5/2024 16:29
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	2-Hexanone	N/D	µg/Kg Dry	416	DB		6/18/2024	
SW 846 8260B	Trans-1,2-dichloroethylene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Isopropylbenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Methyl Isobutyl Ketone	N/D	µg/Kg Dry	416	DB		6/18/2024	
SW 846 8260B	Diethyl Ether	N/D	µg/Kg Dry	416	DB		6/18/2024	
SW 846 8260B	2-Methylnaphthalene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Naphthalene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	4-Chlorotoluene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Iodomethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Styrene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Toluene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Bromodichloromethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,2,4-Trichlorobenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,2,3-Trichloropropane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,2,4-Trimethylbenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,1-Dichloropropene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,3-Dichloropropane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Trans-1,3-dichloropropene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Cis-1,3-dichloropropene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,2-Dibromoethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Methylene Chloride	N/D	µg/Kg Dry	208	DB		6/18/2024	
SW 846 8260B	Methyl T-Butyl Ether	N/D	µg/Kg Dry	416	DB		6/18/2024	
SW 846 8260B	2,2,4-Trimethylpentane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	n-Propyl Benzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,1,1,2-Tetrachloroethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,1,2,2-Tetrachloroethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Tetrachloroethene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,1,2-Trichloroethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,1,1-Trichloroethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Trichlorofluoromethane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Trichloroethene	N/D	µg/Kg Dry	42	DB		6/18/2024	

Kevin O'Mara
Laboratory Director



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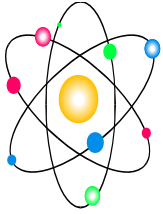
Test Report

Order ID: 2406010
MAS Sample #: 240606013
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-5 (0-2')
Physical Description: Soil
Sample Date/Time: 6/5/2024 16:29
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	1,3,5-Trimethylbenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Vinyl Acetate	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Vinyl Chloride	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,2,3-Trichlorobenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	4-Isopropyltoluene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	1,2,3- Trimethylbenzene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	2,2-Dichloropropane	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	m,p-xylene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	o-Xylene	N/D	µg/Kg Dry	42	DB		6/18/2024	
SW 846 8260B	Xylene (Total)	N/D	µg/Kg Dry	125	DB		6/18/2024	

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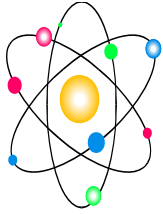
Test Report

Order ID: 2406010
MAS Sample #: 240606016
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-6 (6-8')
Physical Description: Soil
Sample Date/Time: 6/5/2024 17:30
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
	Total Metals:					06/11/2024		
SW 846 6010B	Arsenic	9000	µg/Kg Dry	137	MV		6/12/2024	
SW 846 6010B	Barium	48000	µg/Kg Dry	275	MV		6/12/2024	
SW 846 6010B	Cadmium	440	µg/Kg Dry	55	MV		6/12/2024	
SW 846 6010B	Chromium	11000	µg/Kg Dry	110	MV		6/12/2024	
SW 846 6010B	Copper	28000	µg/Kg Dry	275	MV		6/12/2024	
SW 846 6010B	Lead	31000	µg/Kg Dry	137	MV		6/12/2024	
SW 846 7471A	Mercury	N/D	µg/Kg Dry	22	MV		6/12/2024	
SW 846 6010B	Selenium	N/D	µg/Kg Dry	137	MV		6/12/2024	
SW 846 6010B	Silver	N/D	µg/Kg Dry	55	MV		6/12/2024	
SW 846 6010B	Zinc	58000	µg/Kg Dry	275	MV		6/12/2024	
SW 846 8270C	PNA				DB	6/18/2024	6/19/2024	
SW 846 8270C	Acenaphthene	N/D	µg/Kg Dry	220	DB		6/19/2024	
SW 846 8270C	Acenaphthylene	N/D	µg/Kg Dry	220	DB		6/19/2024	
SW 846 8270C	Anthracene	N/D	µg/Kg Dry	220	DB		6/19/2024	
SW 846 8270C	Benzo(a)anthracene	N/D	µg/Kg Dry	220	DB		6/19/2024	
SW 846 8270C	Benzo(b)fluoranthene	300	µg/Kg Dry	220	DB		6/19/2024	
SW 846 8270C	Benzo(k)fluoranthene	N/D	µg/Kg Dry	220	DB		6/19/2024	
SW 846 8270C	Benzo(g,h,i)perylene	N/D	µg/Kg Dry	220	DB		6/19/2024	
SW 846 8270C	Benzo [a]pyrene	N/D	µg/Kg Dry	220	DB		6/19/2024	
SW 846 8270C	Chrysene	N/D	µg/Kg Dry	220	DB		6/19/2024	
SW 846 8270C	Dibenz(a,h)anthracene	N/D	µg/Kg Dry	220	DB		6/19/2024	
SW 846 8270C	Fluoranthene	460	µg/Kg Dry	220	DB		6/19/2024	
SW 846 8270C	Fluorene	N/D	µg/Kg Dry	220	DB		6/19/2024	
SW 846 8270C	Indeno(1,2,3-cd)pyrene	N/D	µg/Kg Dry	220	DB		6/19/2024	
SW 846 8270C	2-Methylnaphthalene	N/D	µg/Kg Dry	220	DB		6/19/2024	
SW 846 8270C	Naphthalene	N/D	µg/Kg Dry	220	DB		6/19/2024	
SW 846 8270C	Phenanthrene	270	µg/Kg Dry	220	DB		6/19/2024	
SW 846 8270C	Pyrene	410	µg/Kg Dry	220	DB		6/19/2024	
SW 846 8260B	Volatile Organic Compounds:				DB	6/18/2024	6/18/2024	
SW 846 8260B	Acetone	N/D	µg/Kg Dry	412	DB		6/18/2024	
SW 846 8260B	Acetonitrile	N/D	µg/Kg Dry	412	DB		6/18/2024	

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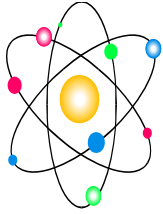
Test Report

Order ID: 2406010
MAS Sample #: 240606016
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-6 (6-8')
Physical Description: Soil
Sample Date/Time: 6/5/2024 17:30
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	Acrolein	N/D	µg/Kg Dry	206	DB		6/18/2024	
SW 846 8260B	Acrylonitrile	N/D	µg/Kg Dry	412	DB		6/18/2024	
SW 846 8260B	Benzene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Bromobenzene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Bromochloromethane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Bromoform	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Bromomethane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Methyl Ethyl Ketone	N/D	µg/Kg Dry	412	DB		6/18/2024	
SW 846 8260B	N-butylbenzene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Sec-butylbenzene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Tert-butylbenzene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Carbon Disulfide	N/D	µg/Kg Dry	412	DB		6/18/2024	
SW 846 8260B	Carbon Tetrachloride	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Chlorobenzene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Chloroethane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	2-Chloroethyl Vinyl Ether	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Chloroform	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Chloromethane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	o-Chlorotoluene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Dibromochloromethane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	1,2-Dibromo-3-chloropropane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Cis-1,2-dichloroethylene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Dibromomethane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	1,2-Dichlorobenzene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	1,3-Dichlorobenzene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	1,4-Dichlorobenzene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Dichlorodifluoromethane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	1,1-Dichloroethane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	1,2-Dichloroethane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	1,1-Dichloroethylene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	1,2-Dichloropropane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Ethylbenzene	N/D	µg/Kg Dry	41	DB		6/18/2024	

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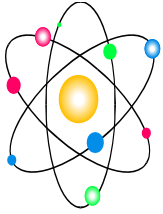
Test Report

Order ID: 2406010
MAS Sample #: 240606016
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-6 (6-8')
Physical Description: Soil
Sample Date/Time: 6/5/2024 17:30
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	2-Hexanone	N/D	µg/Kg Dry	412	DB		6/18/2024	
SW 846 8260B	Trans-1,2-dichloroethylene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Isopropylbenzene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Methyl Isobutyl Ketone	N/D	µg/Kg Dry	412	DB		6/18/2024	
SW 846 8260B	Diethyl Ether	N/D	µg/Kg Dry	412	DB		6/18/2024	
SW 846 8260B	2-Methylnaphthalene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Naphthalene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	4-Chlorotoluene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Iodomethane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Styrene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Toluene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Bromodichloromethane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	1,2,4-Trichlorobenzene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	1,2,3-Trichloropropane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	1,2,4-Trimethylbenzene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	1,1-Dichloropropene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	1,3-Dichloropropane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Trans-1,3-dichloropropene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Cis-1,3-dichloropropene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	1,2-Dibromoethane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Methylene Chloride	N/D	µg/Kg Dry	206	DB		6/18/2024	
SW 846 8260B	Methyl T-Butyl Ether	N/D	µg/Kg Dry	412	DB		6/18/2024	
SW 846 8260B	2,2,4-Trimethylpentane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	n-Propyl Benzene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	1,1,1,2-Tetrachloroethane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	1,1,2,2-Tetrachloroethane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Tetrachloroethene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	1,1,2-Trichloroethane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	1,1,1-Trichloroethane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Trichlorofluoromethane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Trichloroethene	N/D	µg/Kg Dry	41	DB		6/18/2024	

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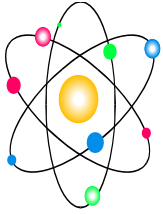
Test Report

Order ID: 2406010
MAS Sample #: 240606016
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Soil Sample SB-6 (6-8')
Physical Description: Soil
Sample Date/Time: 6/5/2024 17:30
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	1,3,5-Trimethylbenzene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Vinyl Acetate	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Vinyl Chloride	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	1,2,3-Trichlorobenzene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	4-Isopropyltoluene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	1,2,3- Trimethylbenzene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	2,2-Dichloropropane	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	m,p-xylene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	o-Xylene	N/D	µg/Kg Dry	41	DB		6/18/2024	
SW 846 8260B	Xylene (Total)	N/D	µg/Kg Dry	124	DB		6/18/2024	

Kevin O'Mara
Laboratory Director



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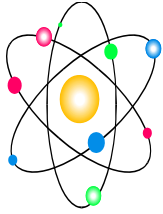
Test Report

Order ID: 2406010
MAS Sample #: 240606017
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Groundwater SB-1
Physical Description: Ground Water
Sample Date/Time: 6/5/2024 11:09
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
	Total Metals:					06/06/2024		PH
SW 846 6010B	Arsenic	2600	µg/L	21	MV		6/10/2024	
SW 846 6010B	Barium	46000	µg/L	50	MV		6/10/2024	
SW 846 6010B	Cadmium	840	µg/L	10	MV		6/10/2024	
SW 846 6010B	Chromium	5300	µg/L	20	MV		6/10/2024	
SW 846 6010B	Copper	13000	µg/L	50	MV		6/10/2024	
SW 846 6010B	Lead	170000	µg/L	15	MV		6/10/2024	
SW 846 7470A	Mercury	34	µg/L	2.0	MV		6/12/2024	
SW 846 6010B	Selenium	160	µg/L	15	MV		6/10/2024	
SW 846 6010B	Silver	15	µg/L	7.5	MV		6/10/2024	
SW 846 6010B	Zinc	200000	µg/L	20	MV		6/10/2024	
SW 846 8260B	Volatile Organic Compounds:				DB		6/13/2024	SL
SW 846 8260B	Acetone	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	Acetonitrile	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	Acrolein	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	Acrylonitrile	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	Benzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Bromobenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Bromochloromethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Bromodichloromethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Bromoform	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Bromomethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Methyl Ethyl Ketone	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	N-butylbenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Sec-butylbenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Tert-butylbenzene	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	Carbon Disulfide	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	Carbon Tetrachloride	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Chlorobenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Chloroethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Iodomethane	N/D	µg/L	5.0	DB		6/13/2024	
SW 846 8260B	2-Chloroethyl Vinyl Ether	N/D	µg/L	1.0	DB		6/13/2024	

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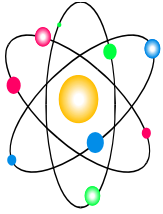
Test Report

Order ID: 2406010
MAS Sample #: 240606017
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Groundwater SB-1
Physical Description: Ground Water
Sample Date/Time: 6/5/2024 11:09
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	Chloroform	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Chloromethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	2-Chlorotoluene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	4-Chlorotoluene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	4-Isopropyltoluene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Isopropylbenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2-Dibromo-3-chloropropane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Dibromochloromethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Dibromomethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2-Dichlorobenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,3-Dichlorobenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,4-Dichlorobenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Dichlorodifluoromethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1-Dichloroethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2-Dichloroethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1-Dichloropropene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Cis-1,2-dichloroethene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Trans-1,2-dichloroethene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2-Dichloropropane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,3-Dichloropropane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	2,2-Dichloropropane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1-Dichloroethene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	2-Methylnaphthalene	N/D	µg/L	5.0	DB		6/13/2024	
SW 846 8260B	Cis-1,3-dichloropropene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Naphthalene	N/D	µg/L	5.0	DB		6/13/2024	
SW 846 8260B	Trans-1,3-dichloropropene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2-Dibromoethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Ethylbenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Methyl T-Butyl Ether	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	Methylene Chloride	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	n-Propyl Benzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	2-Hexanone	N/D	µg/L	10	DB		6/13/2024	

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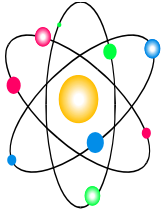
Test Report

Order ID: 2406010
MAS Sample #: 240606017
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Groundwater SB-1
Physical Description: Ground Water
Sample Date/Time: 6/5/2024 11:09
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	Methyl Isobutyl Ketone	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Styrene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2,3- Trimethylbenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	2,2,4-Trimethylpentane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1,1,2-Tetrachloroethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1,2,2-Tetrachloroethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Tetrachloroethene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Toluene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2,3-Trichlorobenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2,4-Trichlorobenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1,1-Trichloroethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1,2-Trichloroethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Trichloroethene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Trichlorofluoromethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2,3-Trichloropropane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2,4-Trimethylbenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,3,5-Trimethylbenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Vinyl Acetate	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Vinyl Chloride	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	m,p-xylene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	o-Xylene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Xylene (Total)	N/D	µg/L	3.0	DB		6/13/2024	
SW 846 8260B	Diethyl Ether	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	N/D	µg/L	1.0	DB		6/13/2024	

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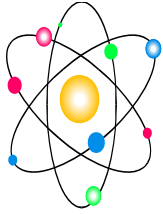
Test Report

Order ID: 2406010
MAS Sample #: 240606018
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Groundwater SB-2
Physical Description: Ground Water
Sample Date/Time: 6/5/2024 11:30
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8270C	Polynuclear Aromatic Hydrocarbons:				DB	6/11/2024	6/14/2024	
SW 846 8270C	Acenaphthene	N/D	µg/L	1.3	DB		6/14/2024	
SW 846 8270C	Acenaphthylene	N/D	µg/L	1.3	DB		6/14/2024	
SW 846 8270C	Anthracene	N/D	µg/L	1.3	DB		6/14/2024	
SW 846 8270C	Benzo(a)anthracene	N/D	µg/L	1.3	DB		6/14/2024	
SW 846 8270C	Benzo(b)fluoranthene	N/D	µg/L	1.3	DB		6/14/2024	
SW 846 8270C	Benzo(k)fluoranthene	N/D	µg/L	1.3	DB		6/14/2024	
SW 846 8270C	Benzo(g,h,i)perylene	N/D	µg/L	1.3	DB		6/14/2024	
SW 846 8270C	Benzo [a]pyrene	N/D	µg/L	1.3	DB		6/14/2024	
SW 846 8270C	Chrysene	N/D	µg/L	1.3	DB		6/14/2024	
SW 846 8270C	Dibenzo(a,h)anthracene	N/D	µg/L	1.3	DB		6/14/2024	
SW 846 8270C	Fluoranthene	N/D	µg/L	1.3	DB		6/14/2024	
SW 846 8270C	Fluorene	N/D	µg/L	1.3	DB		6/14/2024	
SW 846 8270C	Indeno(1,2,3-cd)pyrene	N/D	µg/L	1.3	DB		6/14/2024	
SW 846 8270C	2-Methylnaphthalene	N/D	µg/L	1.3	DB		6/14/2024	
SW 846 8270C	Naphthalene	N/D	µg/L	1.3	DB		6/14/2024	
SW 846 8270C	Phenanthrene	N/D	µg/L	1.3	DB		6/14/2024	
SW 846 8270C	Pyrene	N/D	µg/L	1.3	DB		6/14/2024	

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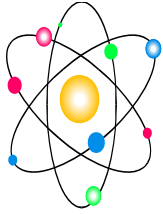
Test Report

Order ID: 2406010
MAS Sample #: 240606019
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Groundwater SB-3
Physical Description: Ground Water
Sample Date/Time: 6/5/2024 13:40
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
	Total Metals:					06/06/2024		
SW 846 6010B	Arsenic	N/D	µg/L	4.1	MV		6/10/2024	
SW 846 6010B	Barium	160	µg/L	10	MV		6/10/2024	
SW 846 6010B	Cadmium	N/D	µg/L	2.0	MV		6/10/2024	
SW 846 6010B	Chromium	4.7	µg/L	4.0	MV		6/10/2024	
SW 846 6010B	Copper	18	µg/L	10	MV		6/10/2024	
SW 846 6010B	Lead	34	µg/L	3.0	MV		6/10/2024	
SW 846 7470A	Mercury	N/D	µg/L	0.20	MV		6/12/2024	
SW 846 6010B	Selenium	N/D	µg/L	3.0	MV		6/10/2024	
SW 846 6010B	Silver	N/D	µg/L	1.5	MV		6/10/2024	
SW 846 6010B	Zinc	290	µg/L	4.0	MV		6/10/2024	
SW 846 8270C	Polynuclear Aromatic Hydrocarbons:				DB	6/11/2024	6/14/2024	
SW 846 8270C	Acenaphthene	N/D	µg/L	1.6	DB		6/14/2024	
SW 846 8270C	Acenaphthylene	N/D	µg/L	1.6	DB		6/14/2024	
SW 846 8270C	Anthracene	N/D	µg/L	1.6	DB		6/14/2024	
SW 846 8270C	Benzo(a)anthracene	2.4	µg/L	1.6	DB		6/14/2024	
SW 846 8270C	Benzo(b)fluoranthene	3.2	µg/L	1.6	DB		6/14/2024	
SW 846 8270C	Benzo(k)fluoranthene	N/D	µg/L	1.6	DB		6/14/2024	
SW 846 8270C	Benzo(g,h,i)perylene	N/D	µg/L	1.6	DB		6/14/2024	
SW 846 8270C	Benzo [a]pyrene	2.1	µg/L	1.6	DB		6/14/2024	
SW 846 8270C	Chrysene	2.0	µg/L	1.6	DB		6/14/2024	
SW 846 8270C	Dibenzo(a,h)anthracene	N/D	µg/L	1.6	DB		6/14/2024	
SW 846 8270C	Fluoranthene	5.6	µg/L	1.6	DB		6/14/2024	
SW 846 8270C	Fluorene	N/D	µg/L	1.6	DB		6/14/2024	
SW 846 8270C	Indeno(1,2,3-cd)pyrene	N/D	µg/L	1.6	DB		6/14/2024	
SW 846 8270C	2-Methylnaphthalene	N/D	µg/L	1.6	DB		6/14/2024	
SW 846 8270C	Naphthalene	1.8	µg/L	1.6	DB		6/14/2024	
SW 846 8270C	Phenanthrene	5.1	µg/L	1.6	DB		6/14/2024	
SW 846 8270C	Pyrene	5.3	µg/L	1.6	DB		6/14/2024	
SW 846 8260B	Volatile Organic Compounds:				DB		6/13/2024	SL
SW 846 8260B	Acetone	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	Acetonitrile	N/D	µg/L	10	DB		6/13/2024	

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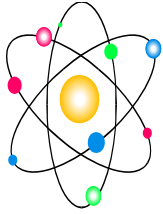
Test Report

Order ID: 2406010
MAS Sample #: 240606019
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Groundwater SB-3
Physical Description: Ground Water
Sample Date/Time: 6/5/2024 13:40
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	Acrolein	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	Acrylonitrile	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	Benzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Bromobenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Bromochloromethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Bromodichloromethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Bromoform	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Bromomethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Methyl Ethyl Ketone	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	N-butylbenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Sec-butylbenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Tert-butylbenzene	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	Carbon Disulfide	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	Carbon Tetrachloride	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Chlorobenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Chloroethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Iodomethane	N/D	µg/L	5.0	DB		6/13/2024	
SW 846 8260B	2-Chloroethyl Vinyl Ether	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Chloroform	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Chloromethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	2-Chlorotoluene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	4-Chlorotoluene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	4-Isopropyltoluene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Isopropylbenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2-Dibromo-3-chloropropane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Dibromochloromethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Dibromomethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2-Dichlorobenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,3-Dichlorobenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,4-Dichlorobenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Dichlorodifluoromethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1-Dichloroethane	N/D	µg/L	1.0	DB		6/13/2024	

Kevin O'Mara
Laboratory Director



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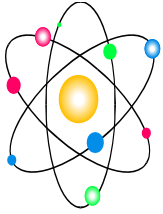
Test Report

Order ID: 2406010
MAS Sample #: 240606019
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Groundwater SB-3
Physical Description: Ground Water
Sample Date/Time: 6/5/2024 13:40
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	1,2-Dichloroethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1-Dichloropropene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Cis-1,2-dichloroethene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Trans-1,2-dichloroethene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2-Dichloropropane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,3-Dichloropropane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	2,2-Dichloropropane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1-Dichloroethene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	2-Methylnaphthalene	N/D	µg/L	5.0	DB		6/13/2024	
SW 846 8260B	Cis-1,3-dichloropropene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Naphthalene	N/D	µg/L	5.0	DB		6/13/2024	
SW 846 8260B	Trans-1,3-dichloropropene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2-Dibromoethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Ethylbenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Methyl T-Butyl Ether	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	Methylene Chloride	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	n-Propyl Benzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	2-Hexanone	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	Methyl Isobutyl Ketone	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Styrene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2,3- Trimethylbenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	2,2,4-Trimethylpentane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1,1,2-Tetrachloroethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1,2,2-Tetrachloroethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Tetrachloroethene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Toluene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2,3-Trichlorobenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2,4-Trichlorobenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1,1-Trichloroethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1,2-Trichloroethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Trichloroethene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Trichlorofluoromethane	N/D	µg/L	1.0	DB		6/13/2024	

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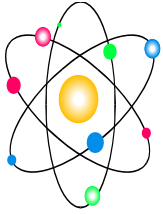
Test Report

Order ID: 2406010
MAS Sample #: 240606019
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Groundwater SB-3
Physical Description: Ground Water
Sample Date/Time: 6/5/2024 13:40
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	1,2,3-Trichloropropane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2,4-Trimethylbenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,3,5-Trimethylbenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Vinyl Acetate	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Vinyl Chloride	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	m,p-xylene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	o-Xylene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Xylene (Total)	N/D	µg/L	3.0	DB		6/13/2024	
SW 846 8260B	Diethyl Ether	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	N/D	µg/L	1.0	DB		6/13/2024	

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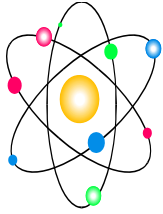
Test Report

Order ID: 2406010
MAS Sample #: 240606021
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Groundwater SB-5
Physical Description: Ground Water
Sample Date/Time: 6/5/2024 16:25
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
	Total Metals:					06/06/2024		
SW 846 6010B	Arsenic	16	µg/L	4.1	MV		6/10/2024	
SW 846 6010B	Barium	190	µg/L	10	MV		6/10/2024	
SW 846 6010B	Cadmium	N/D	µg/L	2.0	MV		6/10/2024	
SW 846 6010B	Chromium	34	µg/L	4.0	MV		6/10/2024	
SW 846 6010B	Copper	54	µg/L	10	MV		6/10/2024	
SW 846 6010B	Lead	15	µg/L	3.0	MV		6/10/2024	
SW 846 7470A	Mercury	N/D	µg/L	0.20	MV		6/12/2024	
SW 846 6010B	Selenium	N/D	µg/L	3.0	MV		6/10/2024	
SW 846 6010B	Silver	N/D	µg/L	1.5	MV		6/10/2024	
SW 846 6010B	Zinc	140	µg/L	4.0	MV		6/10/2024	
SW 846 8270C	Polynuclear Aromatic Hydrocarbons:				DB	6/11/2024	6/15/2024	
SW 846 8270C	Acenaphthene	N/D	µg/L	1.2	DB		6/15/2024	
SW 846 8270C	Acenaphthylene	N/D	µg/L	1.2	DB		6/15/2024	
SW 846 8270C	Anthracene	N/D	µg/L	1.2	DB		6/15/2024	
SW 846 8270C	Benzo(a)anthracene	N/D	µg/L	1.2	DB		6/15/2024	
SW 846 8270C	Benzo(b)fluoranthene	N/D	µg/L	1.2	DB		6/15/2024	
SW 846 8270C	Benzo(k)fluoranthene	N/D	µg/L	1.2	DB		6/15/2024	
SW 846 8270C	Benzo(g,h,i)perylene	N/D	µg/L	1.2	DB		6/15/2024	
SW 846 8270C	Benzo [a]pyrene	N/D	µg/L	1.2	DB		6/15/2024	
SW 846 8270C	Chrysene	N/D	µg/L	1.2	DB		6/15/2024	
SW 846 8270C	Dibenzo(a,h)anthracene	N/D	µg/L	1.2	DB		6/15/2024	
SW 846 8270C	Fluoranthene	N/D	µg/L	1.2	DB		6/15/2024	
SW 846 8270C	Fluorene	N/D	µg/L	1.2	DB		6/15/2024	
SW 846 8270C	Indeno(1,2,3-cd)pyrene	N/D	µg/L	1.2	DB		6/15/2024	
SW 846 8270C	2-Methylnaphthalene	N/D	µg/L	1.2	DB		6/15/2024	
SW 846 8270C	Naphthalene	N/D	µg/L	1.2	DB		6/15/2024	
SW 846 8270C	Phenanthrene	N/D	µg/L	1.2	DB		6/15/2024	
SW 846 8270C	Pyrene	N/D	µg/L	1.2	DB		6/15/2024	
SW 846 8260B	Volatile Organic Compounds:				DB		6/13/2024	SL
SW 846 8260B	Acetone	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	Acetonitrile	N/D	µg/L	10	DB		6/13/2024	

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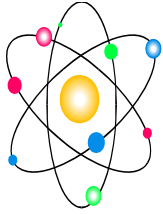
Test Report

Order ID: 2406010
MAS Sample #: 240606021
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Groundwater SB-5
Physical Description: Ground Water
Sample Date/Time: 6/5/2024 16:25
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	Acrolein	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	Acrylonitrile	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	Benzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Bromobenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Bromochloromethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Bromodichloromethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Bromoform	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Bromomethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Methyl Ethyl Ketone	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	N-butylbenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Sec-butylbenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Tert-butylbenzene	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	Carbon Disulfide	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	Carbon Tetrachloride	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Chlorobenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Chloroethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Iodomethane	N/D	µg/L	5.0	DB		6/13/2024	
SW 846 8260B	2-Chloroethyl Vinyl Ether	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Chloroform	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Chloromethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	2-Chlorotoluene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	4-Chlorotoluene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	4-Isopropyltoluene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Isopropylbenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2-Dibromo-3-chloropropane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Dibromochloromethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Dibromomethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2-Dichlorobenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,3-Dichlorobenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,4-Dichlorobenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Dichlorodifluoromethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1-Dichloroethane	N/D	µg/L	1.0	DB		6/13/2024	

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Laboratory Director



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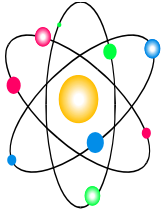
Test Report

Order ID: 2406010
MAS Sample #: 240606021
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Groundwater SB-5
Physical Description: Ground Water
Sample Date/Time: 6/5/2024 16:25
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	1,2-Dichloroethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1-Dichloropropene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Cis-1,2-dichloroethene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Trans-1,2-dichloroethene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2-Dichloropropane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,3-Dichloropropane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	2,2-Dichloropropane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1-Dichloroethene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	2-Methylnaphthalene	N/D	µg/L	5.0	DB		6/13/2024	
SW 846 8260B	Cis-1,3-dichloropropene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Naphthalene	N/D	µg/L	5.0	DB		6/13/2024	
SW 846 8260B	Trans-1,3-dichloropropene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2-Dibromoethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Ethylbenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Methyl T-Butyl Ether	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	Methylene Chloride	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	n-Propyl Benzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	2-Hexanone	N/D	µg/L	10	DB		6/13/2024	
SW 846 8260B	Methyl Isobutyl Ketone	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Styrene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2,3- Trimethylbenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	2,2,4-Trimethylpentane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1,1,2-Tetrachloroethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1,2,2-Tetrachloroethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Tetrachloroethene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Toluene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2,3-Trichlorobenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2,4-Trichlorobenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1,1-Trichloroethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1,2-Trichloroethane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Trichloroethene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Trichlorofluoromethane	N/D	µg/L	1.0	DB		6/13/2024	

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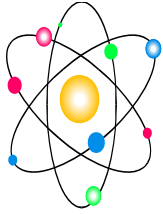
Test Report

Order ID: 2406010
MAS Sample #: 240606021
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Groundwater SB-5
Physical Description: Ground Water
Sample Date/Time: 6/5/2024 16:25
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	1,2,3-Trichloropropane	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,2,4-Trimethylbenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,3,5-Trimethylbenzene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Vinyl Acetate	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Vinyl Chloride	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	m,p-xylene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	o-Xylene	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	Xylene (Total)	N/D	µg/L	3.0	DB		6/13/2024	
SW 846 8260B	Diethyl Ether	N/D	µg/L	1.0	DB		6/13/2024	
SW 846 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	N/D	µg/L	1.0	DB		6/13/2024	

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Fax No: (248) 591-6668

Environmental Consulting Solutions, LLC
523 W. Sunnybrook Drive
Royal Oak, MI 48073

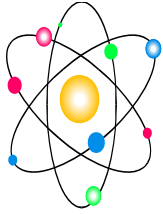
Test Report

Order ID: 2406010
MAS Sample #: 240606022
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Groundwater SB-6
Physical Description: Ground Water
Sample Date/Time: 6/5/2024 17:33
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
	Total Metals:					06/06/2024		
SW 846 6010B	Arsenic	14	µg/L	4.1	MV		6/10/2024	
SW 846 6010B	Barium	250	µg/L	10	MV		6/10/2024	
SW 846 6010B	Cadmium	7.5	µg/L	2.0	MV		6/10/2024	
SW 846 6010B	Chromium	38	µg/L	4.0	MV		6/10/2024	
SW 846 6010B	Copper	60	µg/L	10	MV		6/10/2024	
SW 846 6010B	Lead	24	µg/L	3.0	MV		6/10/2024	
SW 846 7470A	Mercury	N/D	µg/L	0.20	MV		6/12/2024	
SW 846 6010B	Selenium	N/D	µg/L	3.0	MV		6/10/2024	
SW 846 6010B	Silver	N/D	µg/L	1.5	MV		6/10/2024	
SW 846 6010B	Zinc	170	µg/L	4.0	MV		6/10/2024	
SW 846 8270C	Polynuclear Aromatic Hydrocarbons:				DB	6/11/2024	6/15/2024	
SW 846 8270C	Acenaphthene	N/D	µg/L	1.3	DB		6/15/2024	
SW 846 8270C	Acenaphthylene	N/D	µg/L	1.3	DB		6/15/2024	
SW 846 8270C	Anthracene	N/D	µg/L	1.3	DB		6/15/2024	
SW 846 8270C	Benzo(a)anthracene	N/D	µg/L	1.3	DB		6/15/2024	
SW 846 8270C	Benzo(b)fluoranthene	N/D	µg/L	1.3	DB		6/15/2024	
SW 846 8270C	Benzo(k)fluoranthene	N/D	µg/L	1.3	DB		6/15/2024	
SW 846 8270C	Benzo(g,h,i)perylene	N/D	µg/L	1.3	DB		6/15/2024	
SW 846 8270C	Benzo [a]pyrene	N/D	µg/L	1.3	DB		6/15/2024	
SW 846 8270C	Chrysene	N/D	µg/L	1.3	DB		6/15/2024	
SW 846 8270C	Dibenzo(a,h)anthracene	N/D	µg/L	1.3	DB		6/15/2024	
SW 846 8270C	Fluoranthene	N/D	µg/L	1.3	DB		6/15/2024	
SW 846 8270C	Fluorene	N/D	µg/L	1.3	DB		6/15/2024	
SW 846 8270C	Indeno(1,2,3-cd)pyrene	N/D	µg/L	1.3	DB		6/15/2024	
SW 846 8270C	2-Methylnaphthalene	N/D	µg/L	1.3	DB		6/15/2024	
SW 846 8270C	Naphthalene	N/D	µg/L	1.3	DB		6/15/2024	
SW 846 8270C	Phenanthrene	N/D	µg/L	1.3	DB		6/15/2024	
SW 846 8270C	Pyrene	N/D	µg/L	1.3	DB		6/15/2024	
SW 846 8260B	Volatile Organic Compounds:				DB		6/14/2024	SL
SW 846 8260B	Acetone	N/D	µg/L	10	DB		6/14/2024	
SW 846 8260B	Acetonitrile	N/D	µg/L	10	DB		6/14/2024	

Kevin O'Mara
Laboratory Director



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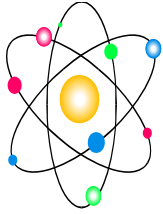
Test Report

Order ID: 2406010
MAS Sample #: 240606022
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Groundwater SB-6
Physical Description: Ground Water
Sample Date/Time: 6/5/2024 17:33
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	Acrolein	N/D	µg/L	10	DB		6/14/2024	
SW 846 8260B	Acrylonitrile	N/D	µg/L	10	DB		6/14/2024	
SW 846 8260B	Benzene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Bromobenzene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Bromochloromethane	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Bromodichloromethane	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Bromoform	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Bromomethane	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Methyl Ethyl Ketone	N/D	µg/L	10	DB		6/14/2024	
SW 846 8260B	N-butylbenzene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Sec-butylbenzene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Tert-butylbenzene	N/D	µg/L	10	DB		6/14/2024	
SW 846 8260B	Carbon Disulfide	N/D	µg/L	10	DB		6/14/2024	
SW 846 8260B	Carbon Tetrachloride	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Chlorobenzene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Chloroethane	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Iodomethane	N/D	µg/L	5.0	DB		6/14/2024	
SW 846 8260B	2-Chloroethyl Vinyl Ether	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Chloroform	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Chloromethane	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	2-Chlorotoluene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	4-Chlorotoluene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	4-Isopropyltoluene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Isopropylbenzene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	1,2-Dibromo-3-chloropropane	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Dibromochloromethane	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Dibromomethane	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	1,2-Dichlorobenzene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	1,3-Dichlorobenzene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	1,4-Dichlorobenzene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Dichlorodifluoromethane	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	1,1-Dichloroethane	N/D	µg/L	1.0	DB		6/14/2024	

Kevin O'Mara
Laboratory Director



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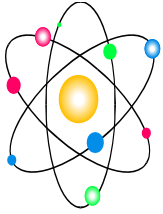
Test Report

Order ID: 2406010
MAS Sample #: 240606022
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Groundwater SB-6
Physical Description: Ground Water
Sample Date/Time: 6/5/2024 17:33
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	1,2-Dichloroethane	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	1,1-Dichloropropene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Cis-1,2-dichloroethene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Trans-1,2-dichloroethene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	1,2-Dichloropropane	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	1,3-Dichloropropane	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	2,2-Dichloropropane	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	1,1-Dichloroethene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	2-Methylnaphthalene	N/D	µg/L	5.0	DB		6/14/2024	
SW 846 8260B	Cis-1,3-dichloropropene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Naphthalene	N/D	µg/L	5.0	DB		6/14/2024	
SW 846 8260B	Trans-1,3-dichloropropene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	1,2-Dibromoethane	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Ethylbenzene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Methyl T-Butyl Ether	N/D	µg/L	10	DB		6/14/2024	
SW 846 8260B	Methylene Chloride	N/D	µg/L	10	DB		6/14/2024	
SW 846 8260B	n-Propyl Benzene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	2-Hexanone	N/D	µg/L	10	DB		6/14/2024	
SW 846 8260B	Methyl Isobutyl Ketone	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Styrene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	1,2,3- Trimethylbenzene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	2,2,4-Trimethylpentane	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	1,1,1,2-Tetrachloroethane	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	1,1,2,2-Tetrachloroethane	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Tetrachloroethene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Toluene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	1,2,3-Trichlorobenzene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	1,2,4-Trichlorobenzene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	1,1,1-Trichloroethane	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	1,1,2-Trichloroethane	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Trichloroethene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Trichlorofluoromethane	N/D	µg/L	1.0	DB		6/14/2024	

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Test Report

Order ID: 2406010
MAS Sample #: 240606022
Date Completed: 6/24/2024

Project ID: A121-0001-04
Sample Identification: Groundwater SB-6
Physical Description: Ground Water
Sample Date/Time: 6/5/2024 17:33
Sample Collected By: Steve Kulpanowski

Method Number	Parameter	Result	Units	EQL	Analy	Date Prepped	Date Analyzed	Data Flag
SW 846 8260B	1,2,3-Trichloropropane	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	1,2,4-Trimethylbenzene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	1,3,5-Trimethylbenzene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Vinyl Acetate	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Vinyl Chloride	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	m,p-xylene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	o-Xylene	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	Xylene (Total)	N/D	µg/L	3.0	DB		6/14/2024	
SW 846 8260B	Diethyl Ether	N/D	µg/L	1.0	DB		6/14/2024	
SW 846 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	N/D	µg/L	1.0	DB		6/14/2024	

Kevin O'Mara
Laboratory Director



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 Email: info@e4mas.com • Website: www.e4mas.com
 A2LA #0381.01

Chain of Custody Record & Sample Analysis Requests

COC NO: 42463

Order ID: 2406010

REPORT TO: Company Name: <u>ECS</u> Contact: <u>JULIE PRATT</u> Address: <u>523 W. SUNNYSIDE BROOK</u> City, State, Zip: <u>ROYAL OAK, MI</u> Phone: <u>(586) 424-7355</u> Fax: _____ Report To Email: <u>jpratt@environmentalconsulting.com</u>	BILL TO: Same as Report <input checked="" type="checkbox"/> Company Name: <u>ECS</u> Contact: <u>ANDY FORLG</u> Address: _____ City, State, Zip: _____ Quote #: <u>4387</u> PO #: _____ Project/Job #: <u>A121-0001-04</u> Bill To Email: _____	ANALYSIS METHOD: <u>VOCS</u> ANALYSIS METHOD: <u>PNA</u> ANALYSIS METHOD: <u>10 MI METALS</u> ANALYSIS METHOD: _____ ANALYSIS METHOD: _____ ANALYSIS METHOD: _____ ANALYSIS METHOD: _____	DL: _____ DL: _____ DL: _____ DL: _____ DL: _____ DL: _____	ANALYSIS METHOD: <u>HOLD</u> ANALYSIS METHOD: _____ ANALYSIS METHOD: _____ ANALYSIS METHOD: _____ ANALYSIS METHOD: _____	QC LEVEL: Page <u>1</u> of <u>2</u> I II III Normal <input checked="" type="checkbox"/> Rush _____ Needed By _____ CONTAINER LEGEND TYPE: P = Plastic G = Glass M = Metal PRESERVATIVE: 1 = Non Preserved 2 = HCl 3 = HNO ₃ 4 = NaOH 5 = Hexane 6 = H ₂ SO ₄ 7 = Methanol 8 = Na Thiosulfate 9 = Trizma
--	---	---	--	--	--

ITEM	SAMPLE ID	FIELD INFO		TIME ZONE: E C M P		MATRIX	ANALYSIS METHOD	ANALYSIS METHOD	ANALYSIS METHOD	ANALYSIS METHOD	ANALYSIS METHOD	ANALYSIS METHOD	CONTAINERS			LAB USE ONLY MAS#	
		Hot? / PID	Date	Time	Type								Size	Preservative			
	SOIL SAMPLE SB-1 (2-4')		6-5-24	10:10		SOIL							X	GG	40ml/8oz	7, 1	240606005
	" SB-1 (10-12')		"	10:13		"							X	"	"	"	240606006
	" SB-2 (4-6')		"	10:59		"							X	"	"	"	240606007
	" SB-2 (8-10')		"	11:05		"							X	"	"	"	240606008
	SB-3 (4-6')		"	12:30		"							X	"	"	"	240606009
	SB-3 (12-14')		"	12:35		"							X	"	"	"	240606010
	SB-4 (0-2')		"	2:10		"							X	"	"	"	240606011
	SB-4 (12-14')		"	2:15		"							X	"	"	"	240606012
	SB-5 (0-2')		"	4:29		"							X	"	"	"	240606013
	SOIL SAMPLE SB-5 (6-8')		6-5-24	4:33		SOIL							X	GG	40ml/8oz	7, 1	240606014

Matrix type options: waste water(WW), ground water(GW), drinking water(DW), soil(SO), solid(SW), liquid(LW), air(AI), wipe(WI).

All fields must be filled in; see back of COC for instructions. Level II or III QA/QC reports incur additional cost.

Sampled By: (Signature) <u>[Signature]</u> Print Name: <u>STEVE KUPRONIA</u> Date: <u>6-5-24</u>				LAB USE ONLY Status of Sample(s) Received: Transport Temperature _____ On Ice <input checked="" type="checkbox"/> Sealed _____ Not Sealed <input checked="" type="checkbox"/> Received by: _____ Mail _____ Drop Off _____		FIELD CHARGES Field Hours: _____ GP Charge: <input checked="" type="checkbox"/> \$1,788 Pick Up Charge: _____ Equipment Charge: <input checked="" type="checkbox"/> \$200	
Relinquished By: (Signature) <u>[Signature]</u>	Date/Time <u>6-5-24 6:03</u>	Received By: (Signature) <u>[Signature]</u>	Date/Time <u>6-5-24 18:03</u>				
Received for Lab By: <u>[Signature]</u>			Date/Time <u>6-5-24 19:17</u>				

Comments / Notes: _____



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 Email: info@e4mas.com • Website: www.e4mas.com
 A2LA #0381.01

Chain of Custody Record & Sample Analysis Requests

COC NO: 42464

Order ID: 2406010

REPORT TO: Company Name: <u>ECS</u> Contact: <u>JULIE PRATS</u> Address: <u>523 W. SUNNYBROOK</u> City, State, Zip: <u>ROYAL OAK, MI</u> Phone: <u>586 424 7355</u> Fax: _____ Report To Email: <u>see pg 1</u>	BILL TO: Same as Reports <input checked="" type="checkbox"/> Company Name: <u>ECS</u> Contact: <u>ANDY FORAC</u> Address: _____ City, State, Zip: _____ Quote #: <u>U387</u> PO #: _____ Project/Job #: _____ Bill To Email: _____	ANALYSIS METHOD: <u>VOCs</u> DL: _____ ANALYSIS METHOD: <u>PNAs</u> DL: _____ ANALYSIS METHOD: <u>10 MI METALS</u> DL: _____ ANALYSIS METHOD: _____ DL: _____ ANALYSIS METHOD: _____ DL: _____ ANALYSIS METHOD: <u>HOLD</u> DL: _____	QC LEVEL: Page <u>2</u> of <u>2</u> I II III Normal <input checked="" type="checkbox"/> Rush _____ Needed By: _____ CONTAINER LEGEND TYPE: PRESERVATIVE: P = Plastic 1 = Non Preserved 6 = H ₂ SO ₄ G = Glass 2 = HCl 7 = Methanol M = Metal 3 = HNO ₃ 8 = Na Thiosulfate 4 = NaOH 9 = Trizma 5 = Hexane
---	--	--	--

ITEM	SAMPLE ID	FIELD INFO		TIME ZONE: E C M P		MATRIX	ANALYSIS METHOD	DL	ANALYSIS METHOD	DL	ANALYSIS METHOD	DL	ANALYSIS METHOD	DL	ANALYSIS METHOD	DL	CONTAINERS			LAB USE ONLY	
		Hot? / PID	Date	Time	Type												Size	Preservative	MAS#		
	SOIL SAMPLE SB-6 (0.2')	-	6-5-24	5:20		SOIL											X	GG	40 ^{mm} / 60	7.1	240606015
	SOIL SAMPLE SB-6 (6.8')	-	"	5:30		SOIL											X	"	"	"	240606016
	GROUNDWATER SB-1	-	"	1:09		GW											X	GP	40 ^{mm} / 60	2,3	240606017
	" SB-2	-	"	11:30		GW											X	GPG	40 ^{mm} / 60	2,3,1	240606018
	" SB-3	-	"	1:40		GW											X	"	"	"	240606019
	" SB-4	-	"	2:35		GW											X	"	"	"	240606020
	" SB-5	-	"	4:25		GW											X	"	"	"	240606021
	GROUNDWATER SB-6	-	6-5-24	5:33		GW											X	"	"	"	240606022

Matrix type options: waste water(WW), ground water(GW), drinking water(DW), soil(SO), solid(SW), liquid(LW), air(AI), wipe(WI).
 All fields must be filled in; see back of COC for instructions. Level II or III QA/QC reports incur additional cost.

Sampled By: (Signature) <u>Steve K...</u> Print Name: <u>STEVE K...</u> Date: <u>6-5-24</u>				LAB USE ONLY				FIELD CHARGES							
Relinquished By: (Signature)		Date/Time		Received By: (Signature)		Date/Time		Status of Sample(s) Received: Transport Temperature _____ On Ice: <u>X</u> Sealed _____ Not Sealed <u>X</u>				Field Hours: _____ GP Charge: <u>see page 1</u> Pick Up Charge: _____ Equipment Charge: <u>see page 1</u>			
<u>Steve K...</u>		<u>6-5-24 6:07</u>		<u>RJC</u>		<u>6-5-24 18:03</u>		Received by: Mail _____ Drop Off _____							
				Received for Lab By: <u>RJC</u>		<u>6-5-24 19:17</u>									

Comments / Notes: _____

Maria Vojnovic

From: Julie Pratt <jpratt@environmentalconsultingsolutions.com>
Sent: Thursday, June 6, 2024 9:50 AM
To: Maria Vojnovic; Kevin O'Mara
Cc: Stephen Kulpanowski
Subject: Revised C of C
Attachments: 123 Summit Revised Chain of Custody 6.6.24.pdf

Good morning,

Attached is the updated C of C for yesterday's drilling with selected sample analysis.

Please respond to this email with confirmation it has been received.

Thanks,
Julie
586-424-7355

Midwest Analytical Services, Inc.
 2905 Stebbins Road • Ironton, MO 63220
 Phone: (314) 991-6660 • Fax: (314) 991-6661
 Email: info@midwest.com • Website: www.midwest.com
 AIAA #03M167

Chain of Custody Record & Sample Analysis Requests

Order ID: 2466019

REPORT TO:

Company Name: ECS
 Contact: Bill Mart
 Address: 522 W. Super Block
 City, State, Zip: Quincy CA 94131
 Phone: (502) 424-7355
 Fax: _____

BILL TO: *Send to Requester*

Company Name: ECS
 Contact: ANITA FOREAN
 Address: _____
 City, State, Zip: _____
 Order # _____
 Preparation # A121-0001-04
 Bill To Email: _____

Request To Email: april@midwest.com
 Analytical Method: see below

ITEM	SAMPLE ID	FIELD INFO		TIME ZONE	E C M P	MATRIX	ANALYSIS METHOD							DATE	EXPIRES	Type	Size	Preservation	Lab File / ID #
		DATE	TIME				1	2	3	4	5	6	7						
	S01 SWR016	6/24	10:12	S-L			X	X	X	X	X	X	X	X	6/24	1/4	7, 11	2466019007	
	S02 2 (A 6)		10:05				X	X	X	X	X	X	X	X				2466019008	
	S03 2 (B 10)		11:05				X	X	X	X	X	X	X	X				2466019009	
	S04 3 (A 6)		12:35				X	X	X	X	X	X	X	X				2466019010	
	S05 4 (D 2)		2:10				X	X	X	X	X	X	X	X				2466019011	
	S06 4 (12 M)		2:15				X	X	X	X	X	X	X	X				2466019012	
	S07 5 (0.2)		4:13				X	X	X	X	X	X	X	X				2466019013	
	S08 SWR015 (6.8)	6/24	4:37	S015			X	X	X	X	X	X	X	X	6/24	1/4	7, 11	2466019014	

VOCs
 PNA
 10 ml MILWAU
 HOLD

OC LEVEL: 1 2 3 4 5
 CONTAINER SELECTED: PRESERVE
 DATE: 6-24-07
 TIME: 10:12
 TYPE: 1 - Non-Preserved, 2 - 200, 3 - 1000, 4 - NaOH, 5 - 1000ml

Material type: water/WWA, ground water/DWA, drinking water/DWA, soil/SO, rain/SWA, Reg-III/MIL, etc./ALL, unknown/WWA
 All fields must be filled in the back of COC for interpretations. Level II or III QVOC reports must address all such.

Sample By (Signature): Rick [Signature] Date: 6/24/07
 Analyzed By (Signature): Shak [Signature] Date: 6/24/07
 Lab: CS-24

Number of Samples Received: _____
 Sample Temperature: _____
 Analyzed by: _____ Date: 6/24/07

National Analytical Services, Inc.
 2-005 Hilton Road • Fordingham, MD 20620
 Phone (202) 591-6660 • Fax (202) 591-6661
 E-mail: info@nasinc.com • Website: www.nasinc.com
 A21A403161

Chain of Custody Record
 &
 Sample Analysis Requests

COE NO: 42464

Order ID: 230610

REPORT TO:
 Company Name: PCS
 Contact: ANALYST
 Address: 115 N. SULLY
 City, State, Zip: DC 20004
 Phone: 202 424 7255
 Fax: _____
 Report to Email: see pg 1

BILL TO: Sum of Payments
 Company Name: PCS
 Contact: ANALYST
 Address: _____
 City, State, Zip: _____
 Order #: PO #
 Project/Job #: _____
 Bill to Email: _____

FROM	SAMPLE ID	FIELD NO	TIME ZONE / E C N E P		MATRIX	ANALYSIS METHOD	ANALYSIS METHOD	ANALYSIS METHOD	ANALYSIS METHOD	ANALYSIS METHOD	ANALYSIS METHOD	OC LEVEL I D III	CONTAINER RECEIVED PRESERVATIVE	TYPE P = Plastic G = Glass M = Metal F = Fibrous	EVIDENCE 1 = Chain Preserved 2 = IED 3 = IED 4 = IED 5 = IED 6 = IED 7 = IED	L AID CHAIN ONLY INVOICE
			Date	Time												
	S01 SAMPLE S06 (0.2)	6164	5:21	S. 1.2	S. 1.2	VOC	PNA	10 MI	METAL							
	S02 SAMPLE S06 (0.3)	6164	5:35	S. 1.2	S. 1.2	VOC	PNA	10 MI	METAL							
	LABORATORY S06.1	6164	5:35	S. 1.2	S. 1.2	VOC	PNA	10 MI	METAL							
	S09.2	6164	5:35	S. 1.2	S. 1.2	VOC	PNA	10 MI	METAL							
	S15.3	6164	5:35	S. 1.2	S. 1.2	VOC	PNA	10 MI	METAL							
	S14.4	6164	5:35	S. 1.2	S. 1.2	VOC	PNA	10 MI	METAL							
	S17.5	6164	5:35	S. 1.2	S. 1.2	VOC	PNA	10 MI	METAL							
	LABORATORY S06.6	6164	5:35	S. 1.2	S. 1.2	VOC	PNA	10 MI	METAL							

Labels to be affixed to: see back of COE for instructions. Level II or III QNOC requires further administrative steps.

Prepared by (signature) Mark Kypark Date: 6/15/04
 Prepared by (signature) _____ Date: _____

Department: Environmental
 Division: Environmental
 Analyst: Mark Kypark
 Date: 6/15/04

Number of samples: 6
 Number of containers: 6
 Number of bags: 6
 Date: 6/15/04
 Time: 5:35

Comments / Notes:

