ENVIRONMENTAL ALLIANCE, INC.

October 12, 2021

• *Engineering*

• *Remediation*

• *Consulting*

Mr. Mark Lillard
Lillard Land Holdings
148 Bakerfield Drive
Middletown, DE 19709
Delivered via Email: mark@intellicarusa.com

RE: LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT
12041 CORDOVA ROAD, CORDOVA, MARYLAND – (FORMER ALLEN HARIM FOODS)

Dear Mark:

At your request, Environmental Alliance, Inc. (Alliance) has prepared this report summarizing the Limited Phase II Environmental Site Assessment (Phase II) activities conducted at the former Allen Harim Foods facility located at 12041 Cordova Road, Cordova, Maryland (the Site).

The Site is located along Cordova Road to the east. At the time of this investigation the Site was mostly out-of-use with the exception of the wastewater treatment operation on the eastern portion of the Site. Alliance performed environmental sampling activities at the Site for due diligence and baseline data purposes. The Site formerly operated as a poultry processing plant (which discontinued operations in 2016) and contained four (4) underground storage tanks (two (2) 2,000-gallon gasoline, one (1) 10,000-gallon diesel and one (1) 1,000-gallon diesel) that were removed between 1986 and 1998.

Subsurface Investigation Activities

A limited Phase II was completed on September 13, 2021. The Phase II activities consisted of a surface geophysical survey around the main Site building and the completion of 10 soil borings (SB-1 through SB-10), advanced via direct-push drilling technology (Geoprobe). Six (6) of the soil borings were converted into temporary monitoring wells (TMW-1 through TMW-6) for the collection of groundwater samples. Investigation of the eastern portion of the Site was limited to the area surrounding the wastewater treatment pond due to the overgrowth of corn crops throughout the remainder of the Site. Soil boring and temporary monitoring well locations are depicted on **Figure 1**.

Geophysical Survey Results

A surface geophysical survey was conducted on September 9, 2021, by Ground Penetrating Radar Systems (GPRS) using a cart-mounted GSSI UtiliScan HS Ground Penetrating Radar (GPR) unit equipped with a 400 MHz antenna. Additionally, a Radiodetection RD7000 multi-frequency transmitter and Radiodetection RD8000 receiver were used to actively and passively

detect electric, communications, and other underground utilities at the Site. The geophysical survey was completed strategically in the vicinity of former USTs that were on the Site to determine if any orphan tanks remained. Areas near the northern perimeter of the Site building and an inactive petroleum dispenser south of the main Site building were specifically targeted. The presence of any anomalies indicating USTs on the Site were not observed.

Refer to **Attachment I** for a job summary of geophysical work completed.

Soil Boring and Groundwater Investigation

The soil borings were completed on September 13, 2021, by a Maryland-licensed well driller (Earth Matters, Inc.) under the supervision of an Alliance geologist. Maryland's Miss Utility One-call utility mark-out service was contacted prior to initiating the subsurface field activities. In addition, a soft dig utility clearance via hand auger was completed at each location to five (5) feet below ground surface (ft. bgs).

Soils were collected continuously from each boring via macro-core sampler with dedicated acetate liners for each soil core interval. Soils were logged by an Alliance field geologist and screened for the presence of Volatile Organic Compounds (VOCs) with a Photoionization Detector (PID) calibrated to 100 parts per million by volume (ppm-V) of isobutylene gas. Soil samples were collected at SB-1 through SB-10 from the unsaturated interval exhibiting the strongest evidence of impact, including staining, odor, and PID screening results. If no evidence of impact was noted, a sample was collected from the unsaturated interval immediately above the field interpreted soil-groundwater interface or at the depth of refusal. PID readings ranged from non-detect to 112.8 ppm-V throughout the investigation.

Soil borings ranged from approximately 9 ft. bgs to 20 ft. bgs. PID readings, lithologic descriptions, and field interpreted soil descriptions using Unified Soil Classification System (USCS) along with the soil boring depths are indicated on the soil boring logs provided in **Attachment II**.

Groundwater was encountered during subsurface investigation activities. Liquid phase hydrocarbons (LPH) were not observed in any of the soil borings. Six (6), one-inch diameter, temporary monitoring wells were constructed in soil borings during the investigation (renamed as temporary monitoring wells TMW-1 through TMW-6) and set with the proper amount of 20-slot PVC well screen. The remainder of the temporary monitoring points were constructed of one-inch diameter PVC riser to grade. The exact screen interval was set at a depth based on the depth groundwater was encountered during drilling activities. Groundwater was encountered at a depth of approximately 9 to 12 ft. bgs throughout the Site.

The temporary monitoring wells were developed, purged, and sampled in accordance with Alliance's *Standard Operation Procedures*, industry standards, and regulatory requirements. The procedures require a minimum of five (5) borehole volumes be purged before sampling (dependent upon field conditions). The temporary monitoring wells were developed to remove sediment from the well screens and filter packs, by pumping water until a relatively clear discharge is observed. Development and purged water were pumped through an activated carbon filter prior to discharge at the ground surface. After the groundwater samples were collected, the

temporary monitoring wells were removed, and the soil borings were backfilled with original soils. The surface conditions were restored to the original material.

The elevation of groundwater on the Site was referenced to an arbitrary datum of 100 feet, established at the time of the elevation survey. Due to obstructions and dense tree cover, temporary monitoring wells TMW-1 through TMW-3 were surveyed together on the western portion of the Site and temporary monitoring wells TMW-4 through TMW-6 were surveyed together on the eastern portion of the Site. Thus, a groundwater gradient was determined for each end of the Site rather than one gradient for the entire Site.

The groundwater-gauging results collected during the groundwater sampling event on September 13, 2021 ranged from an elevation of 101.44 feet (TMW-2) to 98.48 feet (TMW-3). The predominant groundwater flow direction is to the north-northeast on the western portion of the Site toward Highfield Creek.

The groundwater-gauging results collected during the groundwater sampling event on September 13, 2021 ranged from an elevation of 100.00 feet (TMW-5) to 99.89 feet (TMW-6). The predominant groundwater flow direction is to the north-northwest on the eastern portion of the Site toward Highfield Creek. A groundwater gradient map is presented as **Figure 2**.

All soil and groundwater samples were appropriately containerized in laboratory supplied bottleware, placed in an iced cooler and submitted under proper chain-of-custody to Eurofins Lancaster Laboratories Env, LLC in Lancaster, Pennsylvania. Soil and groundwater samples were submitted for analysis of the following:

Sample Name	Sample Type	Analysis
SB-1 through SB-6	Soil	VOCs plus Oxygenates by EPA Method 8260, Total Petroleum Hydrocarbons (TPH) Diesel Range Organics (DRO) and TPH Gasoline Range Organics (GRO) by EPA Method 8015
SB-7 through SB-10	Soil	Organochlorine (OC) Pesticides by EPA Method 8081B and Total Metals by EPA Method 6020A
TMW-1 and TMW-2	Groundwater	VOCs plus Oxygenates by EPA Method 8260 and TPH-DRO and TPH-GRO by EPA Method 8015
TMW-3	Groundwater	VOCs plus Oxygenates by EPA Method 8260, TPH-DRO and TPH-GRO by EPA Method 8015 and Total Nitrate-Nitrite as N by EPA Method 353.2
TMW-4 and TMW-6	Groundwater	OC Pesticides by EPA Method 8081B, Total Metals (total and dissolved) by EPA Method 6020A and Total Nitrate-Nitrite as N by EPA Method 353.2
TMW-5	Groundwater	VOCs plus Oxygenates by EPA Method 8260, Total Metals (total and dissolved) by EPA Method 6020A and Total Nitrate-Nitrite as N by EPA Method 353.2

Soil Investigation Results

The analytical results for soil samples were compared to the Maryland Department of the Environment Generic Numeric Cleanup Standards (MDE GNCS) for Non-Residential properties – October 2018. Laboratory results for soil samples collected indicated all chemicals of concern (COCs) were below MDE GNCS for Non-Residential properties or below their laboratory method detection limits.

Soil analytical results are summarized on **Table 1** and **Figure 3** and the laboratory analytical report is provided in **Attachment III**.

Groundwater Investigation Results

The analytical results for groundwater samples were compared to the MDE GNCS for Non-Residential properties – October 2018. Laboratory results for groundwater samples collected indicated the following COCs were above MDE GNCS for Groundwater:

Sample Location	COC(s) Above Standards
TMW-1 and TMW-2	TPH-DRO
TMW-4	Total and Dissolved Iron, Total Aluminum and Total and Dissolved Manganese
TMW-5	Total Aluminum, Total Iron and Total and Dissolved Manganese
TMW-6	Total Aluminum, Total and Dissolved Iron, Total and Dissolved Manganese and Total Vanadium

In addition to the above compounds that were detected above their applicable MDE GNCS standard, Nitrate-Nitrite as N was detected in monitoring wells TMW-3 through TMW-6 ranging from 5.3 mg/L to 10 mg/L. Maryland does not have a published MDE GNCS for Groundwater for Nitrate or Nitrite, however, the EPA has published maximum contaminant limits (MCL) for Nitrate and Nitrite in drinking water. The MCL for Nitrate is 10 mg/L and the MCL for Nitrite is 1 mg/L

Groundwater analytical results are summarized on **Table 2** and **Figure 2** and the laboratory analytical report is provided in **Attachment III**.

Investigation Derived Waste Management

No Investigation Derived Waste (IDW) was retained. All remaining soil spoils were placed back into each respective borehole and topped off with bentonite chips and completed at the surface with appropriate material (i.e., soil or concrete) dependent on sample location.

Conclusions and Recommendations

The locations of the soil borings were strategically placed around the Site to provide a subsurface baseline in regards historical Site usage. Results of this investigation indicated no COCs were present in soil above their appliable MDE GNCS or were not detected above their laboratory method detection limit. However, groundwater concentrations of total metals including total Iron, total Aluminum, total Manganese, and total Vanadium along with TPH-DRO were detected during this investigation above their applicable MDE standards. Detections of metals in groundwater are most likely related to regional background conditions. Based on the

requirements of COMAR, it is recommended that this Phase II be submitted to the MDE Oil Control Program as an unsolicited Phase II due to the detection of TPH-DRO in groundwater. It is not anticipated that any further investigation would be required by MDE.

Alliance performed and prepared this Phase II in general accordance with Alliance Standard Operating Procedures to a normal due diligence standard of care using customary principles and practices in the field of environmental science. This report does not warrant against future operations or conditions, nor does it warrant against conditions present of a type or at locations not investigated.

If you have any questions regarding the contents of this report, please do not hesitate to contact me at (302) 234-4400.

Sincerely,
ENVIRONMENTAL ALLIANCE, INC.

Mark Harris
Project Scientist

Matthew Hershberger
Associate Engineer

ATTACHMENTS:

Figure 1	Sample Location Map
Figure 2	Groundwater Results Map
Figure 3	Soil Results Map
Table 1	Soil Analytical Data Summary
Table 2	Groundwater Analytical Data Summary
Attachment I	Geophysical Job Summary
Attachment II	Soil Boring Logs
Attachment III	Laboratory Analytical Report and Chain-of-Custody Documentation

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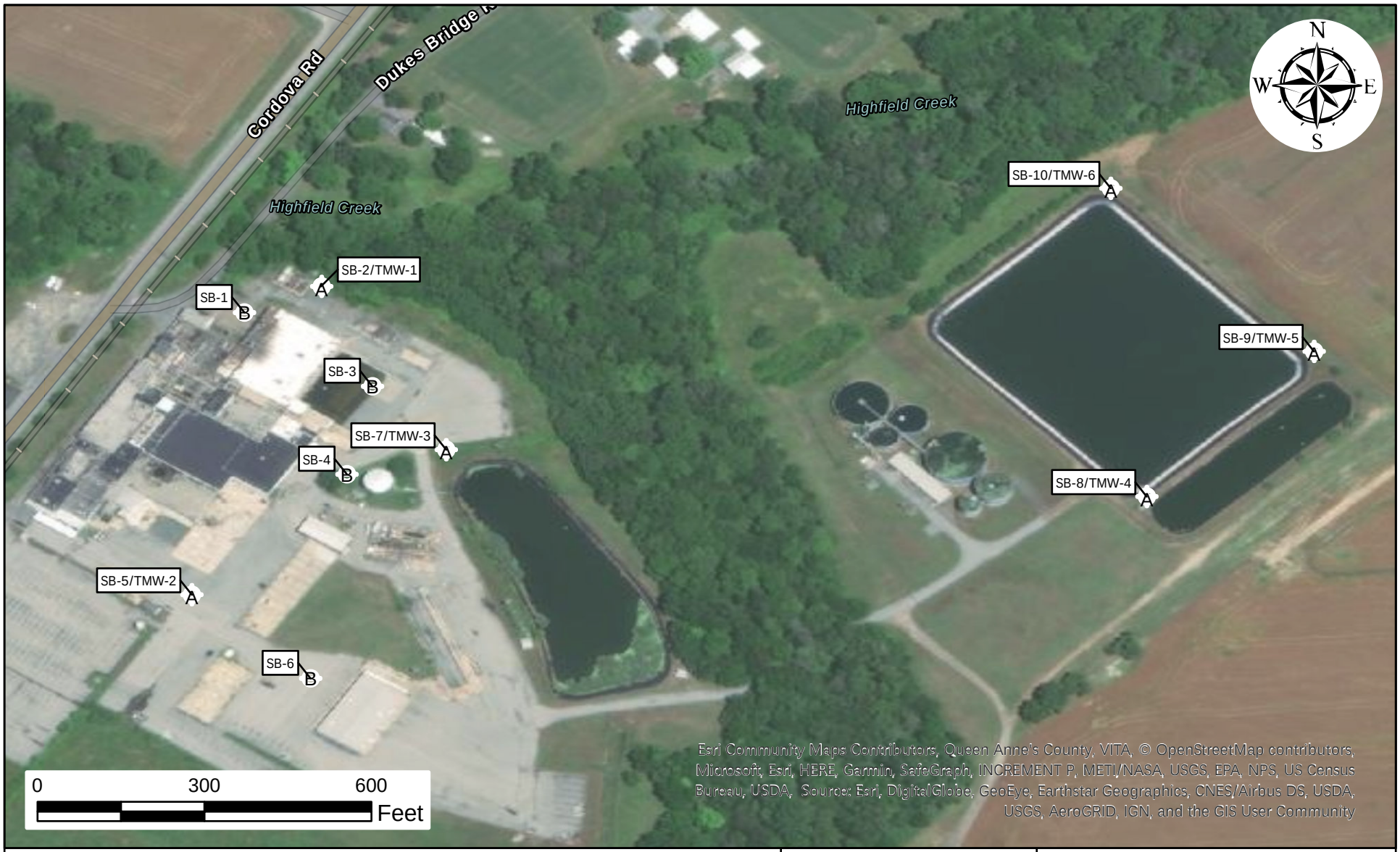


Legend

B Soil Boring Location

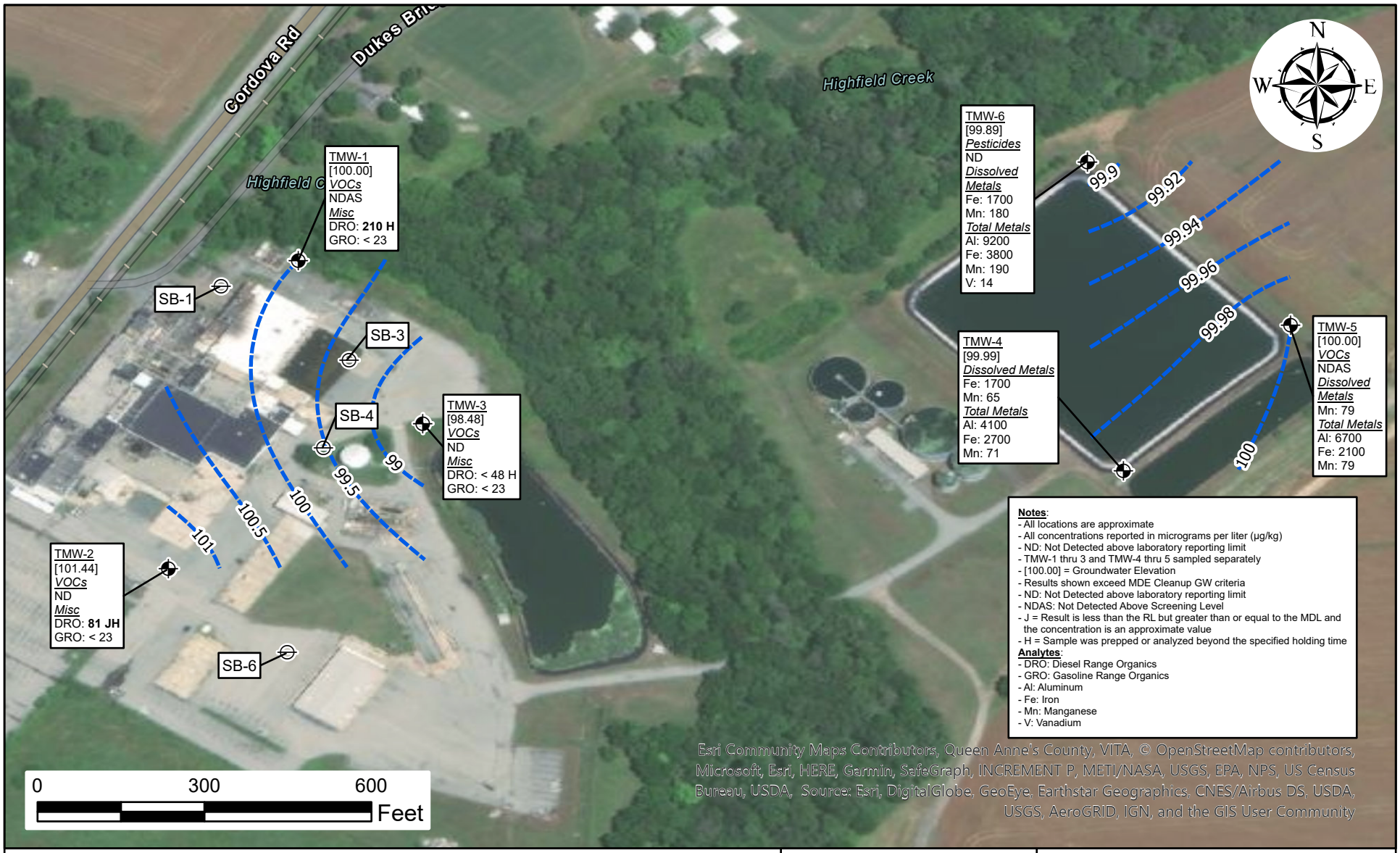
A Soil Boring/Temporary Monitoring Well

Environmental Alliance, Inc.
5341 Limestone Road, Wilmington, DE 19808
Phone: (302) 234-4400 - Fax: (302) 234-1535

12041 Cordova Rd
Cordova, Maryland 21625

Sample Location Map

DESIGNED BY:	DRAWN BY:	UPDATED BY:	FIGURE NO.:
----	CDD	----	1
APPROVED BY: MSH	PROJECT NO.: 5277	DATE: 9/24/2021	



Legend

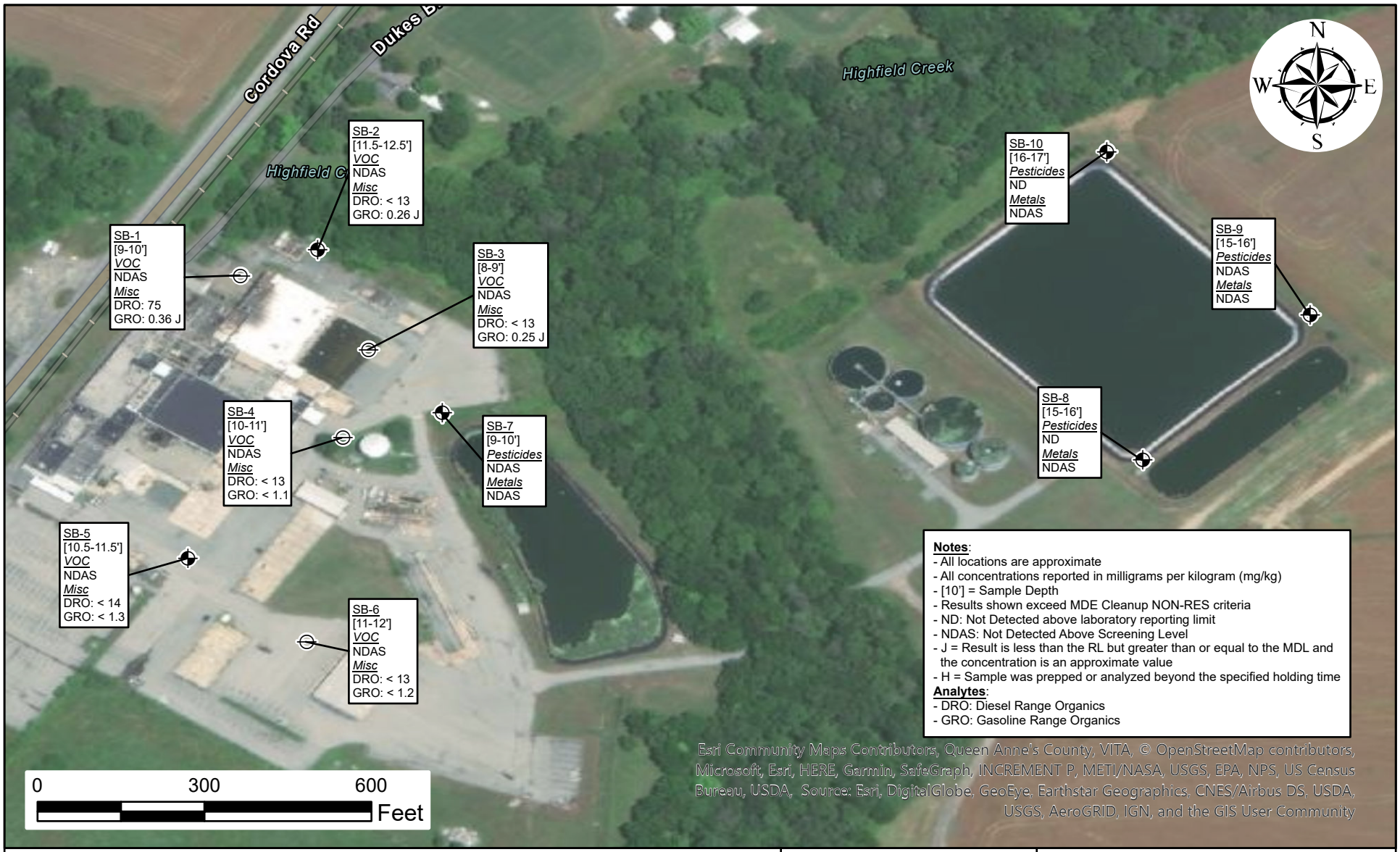
- Soil Boring Location
- Soil Boring/Temporary Monitoring Well
- Groundwater Contour (ft)

Environmental Alliance, Inc.
5341 Limestone Road, Wilmington, DE 19808
Phone: (302) 234-4400 - Fax: (302) 234-1535

12041 Cordova Rd
Cordova, Maryland 21625

Groundwater Results Map

DESIGNED BY:	DRAWN BY:	UPDATED BY:	FIGURE NO.:
----	CDD	----	2
APPROVED BY: MSH	PROJECT NO.: 5277	DATE: 10/5/2021	



Legend

- Soil Boring Location
- Soil Boring/Temporary Monitoring Well

Environmental Alliance, Inc.
5341 Limestone Road, Wilmington, DE 19808
Phone: (302) 234-4400 - Fax: (302) 234-1535

12041 Cordova Rd
Cordova, Maryland 21625

Soil Results Map

DESIGNED BY:	DRAWN BY:	UPDATED BY:	FIGURE NO.:
----	CDD	----	3
APPROVED BY:	PROJECT NO.:	DATE:	
MSH	5277	10/5/2021	

Table 1
Soil Analytical Data Summary
12041 Cordova Road
Cordova, MD 21625

Location ID Sample Date Sample Depth (feet) PID (PID units)	MDE Cleanup NON-RES	SB-1 09/13/21 9-10' 0.0	SB-2 09/13/21 11.5-12.5' 0.0	SB-3 09/13/21 8-9' 0.0	SB-4 09/13/21 10-11' 0.0	SB-5 09/13/21 10.5-11.5' 0.1	SB-6 09/13/21 11-12' 0.0	SB-7 09/13/21 9-10' 0.0	SB-8 09/13/21 15-16' 0.0	SB-9 09/13/21 15-16' 0.0	SB-10 09/13/21 16-17' 0.0
VOLATILE ORGANIC COMPOUNDS (mg/kg) *SW8260C*											
1,1,1-Trichloroethane	**3600**	< 0.00063	< 0.00057	< 0.00059	< 0.00061	< 0.00057	< 0.00058	--	--	--	--
1,1,2,2-Tetrachloroethane	**2.7**	< 0.00042	< 0.00038	< 0.00039	< 0.00041	< 0.00038	< 0.00038	--	--	--	--
1,1,2-Trichloroethane	**0.63**	< 0.00053	< 0.00048	< 0.00049	< 0.00051	< 0.00047	< 0.00048	--	--	--	--
1,1-Dichloroethane	**16**	< 0.00053	< 0.00048	< 0.00049	< 0.00051	< 0.00047	< 0.00048	--	--	--	--
1,1-Dichloroethene	**100**	< 0.00053	< 0.00048	< 0.00049	< 0.00051	< 0.00047	< 0.00048	--	--	--	--
1,2,3-Trichlorobenzene	**NG**	< 0.0053	< 0.0048	< 0.0049	< 0.0051	< 0.0047	< 0.0048	--	--	--	--
1,2,4-Trichlorobenzene	**26**	< 0.0053	< 0.0048	< 0.0049	< 0.0051	< 0.0047	< 0.0048	--	--	--	--
1,2-Dibromo-3-chloropropane	**0.064**	< 0.00053	< 0.00048	< 0.00049	< 0.00051	< 0.00047	< 0.00048	--	--	--	--
1,2-Dibromoethane	**0.16**	< 0.00042	< 0.00038	< 0.00039	< 0.00041	< 0.00038	< 0.00038	--	--	--	--
1,2-Dichlorobenzene	**930**	< 0.00053	< 0.00048	< 0.00049	< 0.00051	< 0.00047	< 0.00048	--	--	--	--
1,2-Dichloroethane	**2**	< 0.00063	< 0.00057	< 0.00059	< 0.00061	< 0.00057	< 0.00058	--	--	--	--
1,2-Dichloropropane	**6.6**	< 0.00053	< 0.00048	< 0.00049	< 0.00051	< 0.00047	< 0.00048	--	--	--	--
1,3-Dichlorobenzene	**NG**	< 0.00053	< 0.00048	< 0.00049	< 0.00051	< 0.00047	< 0.00048	--	--	--	--
1,4-Dichlorobenzene	**11**	< 0.00042	< 0.00038	< 0.00039	< 0.00041	< 0.00038	< 0.00038	--	--	--	--
2-Butanone	**19000**	< 0.0021	< 0.0019	< 0.0020	0.0039 J	< 0.0019	< 0.0019	--	--	--	--
2-Hexanone	**NG**	< 0.0011	< 0.00095	< 0.00098	< 0.0010	< 0.00094	< 0.00096	--	--	--	--
4-Methyl-2-pentanone	**14000**	< 0.0011	< 0.00095	< 0.00098	< 0.0010	< 0.00094	< 0.00096	--	--	--	--
Acetone	**61000**	0.017 J	0.016 J	0.012 J	0.029	0.012 J	0.013 J	--	--	--	--
Benzene	**5.1**	< 0.00053	< 0.00048	< 0.00049	< 0.00051	< 0.00047	< 0.00048	--	--	--	--
Bromochloromethane	**NG**	< 0.00063	< 0.00057	< 0.00059	< 0.00061	< 0.00057	< 0.00058	--	--	--	--
Bromodichloromethane	**1.3**	< 0.00042	< 0.00038	< 0.00039	< 0.00041	< 0.00038	< 0.00038	--	--	--	--
Bromoform	**86**	< 0.0053	< 0.0048	< 0.0049	< 0.0051	< 0.0047	< 0.0048	--	--	--	--
Bromomethane	**3**	< 0.00074	< 0.00067	< 0.00068	< 0.00071	< 0.00066	< 0.00067	--	--	--	--
Carbon Disulfide	**350**	< 0.00063	< 0.00057	< 0.00059	< 0.00061	< 0.00057	< 0.00058	--	--	--	--
Carbon Tetrachloride	**2.9**	< 0.00053	< 0.00048	< 0.00049	< 0.00051	< 0.00047	< 0.00048	--	--	--	--
Chlorobenzene	**130**	< 0.00053	< 0.00048	< 0.00049	< 0.00051	< 0.00047	< 0.00048	--	--	--	--
Chloroethane	**5700**	< 0.0011	< 0.00095	< 0.00098	< 0.0010	< 0.00094	< 0.00096	--	--	--	--
Chloroform	**1.4**	< 0.00063	< 0.00057	< 0.00059	< 0.00061	< 0.00057	< 0.00058	--	--	--	--
Chloromethane	**46**	< 0.00063	< 0.00057	< 0.00059	< 0.00061	< 0.00057	< 0.00058	--	--	--	--
cis-1,2-Dichloroethene	**230**	< 0.00053	< 0.00048	< 0.00049	< 0.00051	< 0.00047	< 0.00048	--	--	--	--
cis-1,3-Dichloropropene	**29**	< 0.00042	< 0.00038	< 0.00039	< 0.00041	< 0.00038	< 0.00038	--	--	--	--
Cyclohexane	**NG**	< 0.00053	< 0.00048	< 0.00049	< 0.00051	< 0.00047	< 0.00048	--	--	--	--
Dibromochloromethane	**39**	< 0.00053	< 0.00048	< 0.00049	< 0.00051	< 0.00047	< 0.00048	--	--	--	--
Dichlorodifluoromethane	**NG**	< 0.00063	< 0.00057	< 0.00059	< 0.00061	< 0.00057	< 0.00058	--	--	--	--
Di-isopropyl ether	**NG**	< 0.00053	< 0.00048	< 0.00049	< 0.00051	< 0.00047	< 0.00048	--	--	--	--
Ethyl tert-butyl ether	**NG**	< 0.00053	< 0.00048	< 0.00049	< 0.00051	< 0.00047	< 0.00048	--	--	--	--
Ethylbenzene	**25**	< 0.00042	< 0.00038	< 0.00039	< 0.00041	< 0.00038	< 0.00038	--	--	--	--
Freon 113	**NG**	< 0.00063	< 0.00057	< 0.00059	< 0.00061	< 0.00057	< 0.00058	--	--	--	--
Isopropylbenzene	**990**	< 0.00042	< 0.00038	< 0.00039	< 0.00041	< 0.00038	< 0.00038	--	--	--	--
m/p-Xylene	**NG**	< 0.0011	< 0.00095	< 0.00098	< 0.0010	< 0.00094	< 0.00096	--	--	--	--
Methyl Acetate	**NG**	< 0.0011	< 0.00095	< 0.00098	< 0.0010	0.0011 J	< 0.00096	--	--	--	--
Methyl Tertiary Butyl Ether	**210**	< 0.00053	< 0.00048	< 0.00049	< 0.00051	< 0.00047	< 0.00048	--	--	--	--
Methylcyclohexane	**NG**	< 0.00063	< 0.00057	< 0.00059	< 0.00061	< 0.00057	< 0.00058	--	--	--	--
Methylene Chloride	**320**	< 0.0021	< 0.0019	< 0.0020	< 0.0020	< 0.0019	< 0.0019	--	--	--	--
Naphthalene	**17**	< 0.0021	< 0.0019	< 0.0020	< 0.0020	< 0.0019	< 0.0019	--	--	--	--
O-xylene	**NG**	< 0.00042	< 0.00038	< 0.00039	< 0.00041	< 0.00038	< 0.00038	--	--	--	--
Styrene	**3500**	< 0.00042	< 0.00038	< 0.00039	< 0.00041	< 0.00038	< 0.00038	--	--	--	--
tert-Amyl methyl ether	**NG**	< 0.00084	< 0.00076	< 0.00078	< 0.00081	< 0.00075	< 0.00077	--	--	--	--
tert-Butyl alcohol	**NG**	< 0.016 *+	< 0.014 *+	< 0.015 *+	< 0.015 *+	< 0.014 *+	< 0.014 *+	--	--	--	--
Tetrachloroethene	**39**	< 0.00053	< 0.00048	< 0.00049	< 0.00051	< 0.00047	< 0.00048	--	--	--	--
Toluene	**4700**	< 0.00063	< 0.00057	< 0.00059	< 0.00061	< 0.00057	< 0.00058	--	--	--	--
trans-1,2-Dichloroethene	**2300**	< 0.00053	< 0.00048	< 0.00049	< 0.00051	< 0.00047	< 0.00048	--	--	--	--
trans-1,3-Dichloropropene	**29**	< 0.00053	< 0.00048	< 0.00049	< 0.00051	< 0.00047	< 0.00048	--	--	--	--
Trichloroethene	**1.9**	< 0.00053	< 0.00048	< 0.00049	< 0.00051	< 0.00047	< 0.00048	--	--	--	--
Trichlorofluoromethane	**NG**	< 0.00074	< 0.00067	< 0.00068	< 0.00071	< 0.00066	< 0.00067	--	--	--	--
Vinyl Chloride	**1.7**	< 0.00063	< 0.00057	< 0.00059	< 0.00061	< 0.00057	< 0.00058	--	--	--	--
Total Xylenes	**250**	< 0.0015	< 0.0013	< 0.0014	< 0.0014	< 0.0013	< 0.0013	--	--	--	--
MISCELLANEOUS (µg/L)											
Diesel Range Organics (SW8015C)	**620**	75	< 5.3	< 5.3	< 5.3	< 5.6	< 5.3	--	--	--	--
Gasoline Range Organics (SW8015C)	**620**	0.36 J	0.26 J	0.25 J	< 0.20	< 0.23	< 0.21	--	--	--	--
ORGANOCHLORINE PESTICIDES (mg/kg) *SW8081B*											
Aldrin	**0.18**	--	--	--	--	--	--	< 0.00020	< 0.00019	< 0.00019	< 0.00018
Alpha BHC	**0.36**	--	--	--	--	--	--	< 0.00020	< 0.00019	< 0.00019	< 0.00018
Alpha Chlordane	**NG**	--	--	--	--	--	--	< 0.00020	< 0.00019	< 0.00019	< 0.00018
Beta BHC	**1.3**	--	--	--	--	--	--	< 0.00051	< 0.00049	< 0.00050	< 0.00047
Camphechlor	**2.1**	--	--	--	--	--	--	< 0.016	< 0.016	< 0.016	< 0.015
Delta BHC	**2.2**	--	--	--	--	--	--	< 0.00052	< 0.00050	< 0.00051	< 0.00048
Dieldrin	**0.14**	--	--	--	--	--	--	< 0.00038	< 0.00037	< 0.00037	< 0.00035
Endosulfan I	**610**	--	--	--	--	--	--	< 0.00026	< 0.00025	< 0.00025	< 0.00023
Endosulfan II	**610**	--	--	--	--	--	--	< 0.0013	< 0.0012	< 0.0012	< 0.0012
Endosulfan Sulfate	**610**	--	--	--	--	--	--	< 0.00038	< 0.00037	< 0.00037	< 0.00035
Endrin	**25**	--	--	--	--	--	--	< 0.00079	< 0.00076	< 0.00077	< 0.00072
Endrin Aldehyde	**31**	--	--	--	--	--	--	< 0.00038	< 0.00037	< 0.00037	< 0.00035
Endrin Ketone	**31**	--	--	--	--	--	--	< 0.00070	< 0.00067	< 0.00068	< 0.00064
Gamma BHC - Lindane	**2.5**	--	--	--	--	--	--	< 0.00024	< 0.00023	< 0.00024	< 0.00022
Gamma Chlordane	**8.2**	--	--	--	--	--	--	< 0.00029	< 0.00028	< 0.00028	< 0.00026
Heptachlor	**0.63**	--	--	--	--	--	--	< 0.00036	< 0.00035	< 0.00035	< 0.00033
Heptachlor Epoxide	**0.33**	--	--	--	--	--	--	< 0.00020	< 0.00019	< 0.00019	< 0.00018
Methoxychlor	**NG**	--	--	--	--	--	--	< 0.0021	< 0.0020	< 0.0020	< 0.0019
Toxaphene	**NG**	--	--	--	--	--	--	< 0.016	< 0.016	< 0.016	< 0.015
p,p-DDD	**2.5**	--	--	--	--	--	--	0.00044 J	< 0.00037	0.00075 J	< 0.00035
p,p-DDE	**9.3**	--	--	--	--	--	--	0.0072	< 0.00037	< 0.00037	< 0.00035
p,p-DDT	**8.5**	--	--	--	--	--	--	0.0035	< 0.00088	< 0.00089	< 0.00084
METALS (mg/kg) *SW6020A*											
Aluminum	**110000**	--	--	--	--	--	--	33000	30000	15000	4200
Antimony	**47**	--	--	--	--	--	--	< 0.14	< 0.14	< 0.12	< 0.13
Arsenic	**3**	--	--	--	--	--	--	1.6	0.70	0.99	0.17 J
Barium	**22000**	--	--	--	--	--	--	28	18	14	4.9
Beryllium	**230**	--	--	--	--	--	--	0.46	0.28	0.25	0.058 J
Cadmium	**98**	--	--	--	--	--	--	< 0.055	< 0.054	< 0.049	< 0.053
Calcium	**NG**	--	--	--	--	--	--	330	230	130	38 J
Chromium	**NG**	--	--	--	--	--	--	10	12	6.8	3.2
Cobalt	**NG**	--	--	--	--	--	--	45	1.9	1.2	0.35
Copper	**4700**	--	--	--	--	--	--	3.3	4.1	2.4	0.69
Iron	**82000**	--	--	--	--	--	--	6900	3600	4600	630
Lead	**800**	--	--	--	--	--	--	7.9	5.2	4.1	1.9
Magnesium	**NG**	--	--	--	--	--	--	410	390	280	73
Manganese	**2600**	--	--	--	--	--	--	170	13	11	8.7
Nickel	**2200**	--	--	--	--	--	--	7.5	6.6	4.0	1.4
Potassium	**NG**	--	--	--	--	--	--	450	520	370	170
Selenium	**580**	--	--	--	--	--	--	< 0.14	< 0.14	< 0.13	< 0.14
Silver	**580**	--	--	--	--	--	--	< 0.045	< 0.044	< 0.039	< 0.043
Sodium	**NG**	--	--	--	--	--	--	< 29	< 29	< 26	< 28
Thallium	**1.2**	--	--	--	--	--	--	0.064 J	0.063 J	< 0.038	< 0.041
Vanadium	**580**	--	--	--	--	--	--	21	17	11	3.3
Zinc	**35000**	--	--	--	--	--	--	17 J	14 J	9.4 J	2.5 J
Mercury (7471B)	**4.6**	--	--	--	--	--	--	< 0.028	< 0.027	< 0.028	< 0.027

Notes:
mg/kg = milligrams per kilogram
NG = Screening level Not Given
Results in **bold** exceed MDE Cleanup NON-RES criteria.
< = Analyte not detected at or above the specified laboratory detection limit
J = Estimated value- result is ≥ method detection limit and < limit of quantitation
*+ = LCS and/or LCSD is outside acceptance limits, high biased
MDE Soil Non-Res Cleanup Standards = Maryland Department of the Environment Generic Numeric Cleanup Standards, Interim Final Guidance, Non-Residential Soil, October 2018

Table 2
Groundwater Analytical Data Summary
12041 Cordova Rd
Cordova, MD 21625

Location ID Sample Date GWE	MDE Cleanup GW	TMW-1 09/13/21 100.00	TMW-2 09/13/21 101.44	TMW-3 09/13/21 98.48	TMW-4 09/13/21 99.99	TMW-5 09/13/21 100.00	TMW-6 09/13/21 99.89
VOLATILE ORGANIC COMPOUNDS (µg/L) *SW8260C*							
1,1,1-Trichloroethane	**200**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
1,1,2,2-Tetrachloroethane	**0.076**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
1,1,2-Trichloroethane	**5**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
1,1-Dichloroethane	**2.8**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
1,1-Dichloroethene	**7**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
1,2,3-Trichlorobenzene	**NG**	< 0.40	< 0.40	< 0.40	--	< 0.40	--
1,2,4-Trichlorobenzene	**70**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
1,2-Dibromo-3-chloropropane	**0.2**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
1,2-Dibromoethane	**0.05**	< 0.20	< 0.20	< 0.20	--	< 0.20	--
1,2-Dichlorobenzene	**600**	< 0.20	< 0.20	< 0.20	--	< 0.20	--
1,2-Dichloroethane	**5**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
1,2-Dichloropropane	**5**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
1,3-Dichlorobenzene	**NG**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
1,4-Dichlorobenzene	**75**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
2-Butanone	**560**	< 0.50	< 0.50	< 0.50	--	< 0.50	--
2-Hexanone	**NG**	< 0.40	< 0.40	< 0.40	--	< 0.40	--
4-Methyl-2-pentanone	**630**	< 0.50	< 0.50	< 0.50	--	< 0.50	--
Acetone	**1400**	< 0.70	< 0.70	< 0.70	--	3.0 J	--
Benzene	**5**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
Bromochloromethane	**NG**	< 0.20	< 0.20	< 0.20	--	< 0.20	--
Bromodichloromethane	**80**	< 0.20	< 0.20	< 0.20	--	< 0.20	--
Bromoform	**80**	< 1.0	< 1.0	< 1.0	--	< 1.0	--
Bromomethane	**0.75**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
Carbon Disulfide	**81**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
Carbon Tetrachloride	**5**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
Chlorobenzene	**100**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
Chloroethane	**2100**	< 0.20	< 0.20	< 0.20	--	< 0.20	--
Chloroform	**80**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
Chloromethane	**19**	< 0.20 *+	< 0.20 *+	< 0.20 *+	--	< 0.20 *+	--
cis-1,2-Dichloroethene	**70**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
cis-1,3-Dichloropropene	**0.44**	< 0.20	< 0.20	< 0.20	--	< 0.20	--
Cyclohexane	**NG**	< 1.0	< 1.0	< 1.0	--	< 1.0	--
Dibromochloromethane	**80**	< 0.20	< 0.20	< 0.20	--	< 0.20	--
Dichlorodifluoromethane	**NG**	< 0.20 *+	< 0.20 *+	< 0.20 *+	--	< 0.20 *+	--
Di-isopropyl ether	**NG**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
Ethyl tert-butyl ether	**NG**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
Ethylbenzene	**700**	< 0.40	< 0.40	< 0.40	--	< 0.40	--
Freon 113	**NG**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
Isopropylbenzene	**45**	< 0.20	< 0.20	< 0.20	--	< 0.20	--
m/p-Xylene	**NG**	< 2.0	< 2.0	< 2.0	--	< 2.0	--
Methyl Acetate	**NG**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
Methyl Tertiary Butyl Ether	**20**	< 0.20	< 0.20	< 0.20	--	< 0.20	--
Methylcyclohexane	**NG**	< 0.50	< 0.50	< 0.50	--	< 0.50	--
Methylene Chloride	**5**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
Naphthalene	**0.17**	< 1.0	< 1.0	< 1.0	--	< 1.0	--
O-xylene	**NG**	< 0.40	< 0.40	< 0.40	--	< 0.40	--
Styrene	**100**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
tert-Amyl methyl ether	**NG**	< 0.80	< 0.80	< 0.80	--	< 0.80	--
tert-Butyl alcohol	**NG**	< 12	< 12	< 12	--	< 12	--
Tetrachloroethene	**5**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
Toluene	**1000**	< 0.20	< 0.20	< 0.20	--	< 0.20	--
trans-1,2-Dichloroethene	**100**	< 0.30	< 0.30	< 0.30	--	< 0.30	--
trans-1,3-Dichloropropene	**0.44**	< 0.20	< 0.20	< 0.20	--	< 0.20	--
Trichloroethene	**5**	1.6	< 0.30	< 0.30	--	< 0.30	--
Trichlorofluoromethane	**NG**	< 0.20	< 0.20	< 0.20	--	< 0.20	--
Vinyl Chloride	**2**	< 0.20	< 0.20	< 0.20	--	< 0.20	--
Xylene (Total)	**1000**	< 0.40	< 0.40	< 0.40	--	< 0.40	--
PESTICIDES (µg/L) *SW8081B*							
Aldrin	**0.00092**	--	--	--	--	--	< 0.0021
Alpha BHC	**0.0072**	--	--	--	--	--	< 0.0031
Alpha Chlordane	**NG**	--	--	--	--	--	< 0.0031
Beta BHC	**0.025**	--	--	--	--	--	< 0.0035
Camphechlor	**3**	--	--	--	--	--	< 0.31
Delta BHC	**0.2**	--	--	--	--	--	< 0.0035
Dieldrin	**0.0018**	--	--	--	--	--	< 0.0055
Endosulfan I	**22**	--	--	--	--	--	< 0.0045
Endosulfan II	**22**	--	--	--	--	--	< 0.016
Endosulfan Sulfate	**22**	--	--	--	--	--	< 0.0060
Endrin	**2**	--	--	--	--	--	< 0.0084
Endrin Aldehyde	**1.1**	--	--	--	--	--	< 0.021
Endrin Ketone	**1.1**	--	--	--	--	--	< 0.0052
Gamma BHC - Lindane	**0.2**	--	--	--	--	--	< 0.0021
Gamma Chlordane	**2**	--	--	--	--	--	< 0.0073
Heptachlor	**0.4**	--	--	--	--	--	< 0.0021
Heptachlor Epoxide	**0.2**	--	--	--	--	--	< 0.0024
Methoxychlor	**NG**	--	--	--	--	--	< 0.031
Toxaphene	**NG**	--	--	--	--	--	< 0.31
p,p-DDD	**0.0063**	--	--	--	--	--	< 0.0052
p,p-DDE	**0.046**	--	--	--	--	--	< 0.0052
p,p-DDT	**0.23**	--	--	--	--	--	< 0.0054

Table 2
Groundwater Analytical Data Summary
12041 Cordova Rd
Cordova, MD 21625

Location ID **Sample Date** **GWE**	**MDE Cleanup GW**	**TMW-1** 09/13/21 100.00	**TMW-2** 09/13/21 101.44	**TMW-3** 09/13/21 98.48	**TMW-4** 09/13/21 99.99	**TMW-5** 09/13/21 100.00	**TMW-6** 09/13/21 99.89
INORGANIC COMPOUNDS (µg/L)							
Nitrate Nitrite as N (E353.2)	**NG**	--	--	6000	7500	5300	10000
METALS, DISSOLVED (µg/L) ***SW6020A***							
Aluminum	**2000**	--	--	--	< 20	25 J	140
Antimony	**6**	--	--	--	< 0.42	< 0.42	< 0.42
Arsenic	**10**	--	--	--	< 0.70	< 0.70	< 0.70
Barium	**2000**	--	--	--	51	40	36
Beryllium	**4**	--	--	--	< 0.12	< 0.12	0.44 J
Cadmium	**5**	--	--	--	< 0.16	< 0.16	< 0.16
Calcium	**NG**	--	--	--	8500 ^2^3+	11000 ^2^3+	8100 ^2^3+
Chromium	**100**	--	--	--	< 0.34	< 0.34	0.46 J
Cobalt	**NG**	--	--	--	5.8 ^2	2.5	5.4 ^2
Copper	**1300**	--	--	--	0.89 J	0.73 J	2.3
Iron	**1400**	--	--	--	**1700**	750	**1700**
Lead	**15**	--	--	--	0.13 J	0.13 J	0.40 J
Magnesium	**NG**	--	--	--	4100 ^2	4400 ^2	3400 ^2
Manganese	**43**	--	--	--	**65**	**79**	**180**
Mercury (7470A)	**2**	--	--	--	< 0.079	< 0.079	0.093 J
Nickel	**39**	--	--	--	4.1	2.1	5.1
Potassium	**NG**	--	--	--	24000	18000	17000
Selenium	**50**	--	--	--	< 0.29	0.81 J	1.2
Silver	**9.4**	--	--	--	< 0.18	< 0.18	< 0.18
Sodium	**NG**	--	--	--	20000 ^2	44000 ^2	36000 ^2
Thallium	**2**	--	--	--	0.14 J	0.13 J	0.13 J
Vanadium	**8.6**	--	--	--	< 0.82	< 0.82	< 0.82
Zinc	**600**	--	--	--	< 6.4	< 6.4	18
METALS, TOTAL (µg/L) ***SW6020A***							
Aluminum	**2000**	--	--	--	**4100**	**6700**	**9200**
Antimony	**6**	--	--	--	< 0.41	< 0.41	< 0.41
Arsenic	**10**	--	--	--	< 0.68	< 0.68	1.1 J
Barium	**2000**	--	--	--	58	48	45
Beryllium	**4**	--	--	--	< 0.12	0.12 J	0.66
Cadmium	**5**	--	--	--	< 0.15	< 0.15	< 0.15
Calcium	**NG**	--	--	--	8700	11000	8200
Chromium	**100**	--	--	--	2.5	4.3	9.4
Cobalt	**NG**	--	--	--	6.2	2.5	6.0
Copper	**1300**	--	--	--	1.9	1.9	3.9
Iron	**1400**	--	--	--	**2700**	**2100**	**3800**
Lead	**15**	--	--	--	2.1	1.7	2.9
Magnesium	**NG**	--	--	--	4100	4600	3500
Manganese	**43**	--	--	--	**71**	**79**	**190**
Mercury (7470A)	**2**	--	--	--	< 0.079	< 0.079	0.085 J
Nickel	**39**	--	--	--	4.9	4.2	7.7
Potassium	**NG**	--	--	--	25000	19000	18000
Selenium	**50**	--	--	--	< 0.28	0.86 J	1.1
Silver	**9.4**	--	--	--	< 0.17	< 0.17	< 0.17
Sodium	**NG**	--	--	--	19000	43000	34000
Thallium	**2**	--	--	--	0.13 J	< 0.13	< 0.13
Vanadium	**8.6**	--	--	--	4.0	4.5	**14**
Zinc	**600**	--	--	--	< 6.2	15	23
MISCELLANEOUS (µg/L)							
Diesel Range Organics (SW8015C)	**47**	**210 H**	**81 JH**	< 48 H	--	--	--
Gasoline Range Organics(SW8015C)	**47**	< 23	< 23	< 23	--	--	--

Notes:
µg/L = micrograms per liter
NG = Screening level Not Given
Results in **bold** exceed MDE Cleanup NON-RES criteria.
< = Analyte not detected at or above the specified laboratory detection limit
H = Sample was prepped or analyzed beyond the specified holding time
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
< = Analyte not detected at or above the specified laboratory detection limit
^2 = Calibration Blank (ICB and/or CCB) is outside acceptance limits
^3+ = Reporting Limit Check Standard is outside acceptance limits, high biased
*+ = LCS and/or LCSD is outside acceptance limits, high biased
MDE Cleanup GW Standards = Maryland Department of the Environment Generic Numeric Cleanup Standards, Interim Final Guidance, Groundwater, June 2018

ATTACHMENT I

GEOPHYSICAL JOB SUMMARY

ENVIRONMENTAL ALLIANCE, INC.

Job Summary

Job Date : 9/9/2021

Customer	Environmental Alliance, Inc.	**Phone Number**	(410) 926-6985

Billing Address	City	State	Zip
5341 Limestone Road	Wilmington	DE	19804

Job Details

Jobsite Location	12041 CORDOVA RD
City	CORDOVA
State	MD

WA Number	293272
Job Num	
PO Num	

Lead Technician	FRENCH, MIKE	**Phone**	443-359-2032	**Email**	mike.french@gprsinc.com

Thank you for using GPRS on your project. We appreciate the opportunity to work with you. If you have questions regarding the results of this scanning, please contact the lead GPRS technician on this project.

EQUIPMENT USED

The following equipment was used on this project:

- Underground Scanning GPR antenna. Typically capable of detecting objects up to 8' deep or more in ideal conditions but maximum effective depth can vary widely and depends on site and soil conditions. Depth penetration is most commonly limited by moisture and clay/conductive soils. Depths provided should always be treated as estimates as their accuracy can be affected by multiple factors.

Work Performed

Ground Penetrating Radar Systems performed the following work on this project:

Underground Utility

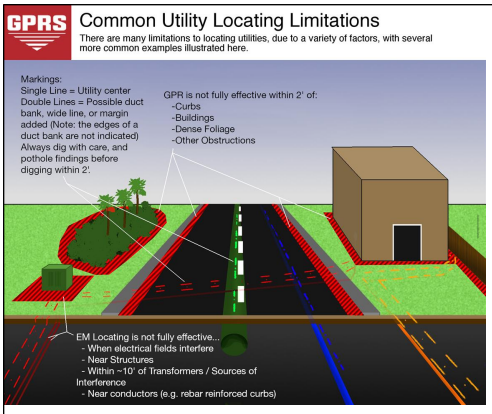
The scope of work included scanning the specified area to locate underground utilities. A tracer signal was sent along any accessible metallic utility or tracer wire, and the area was scanned with GPR to locate any additional targets. The locations of any detected utilities and anomalies were marked directly at the site with paint, flags, stakes, or other appropriate means, and results were reviewed with onsite personnel unless otherwise noted.

- Scanning two areas on the property for possible existing USTs.
- The effective depth of GPR will vary throughout a site depending on surface and soil conditions. In this area, the maximum effective GPR depth was approximately 6 feet.
- Two total areas were scanned at the above address. Area one was on the north side of the building and around a former pump compound, and area two was on the south side of the building around a fuel pump station. No signs or data reflecting existing USTs were found at either of the scan sites.

Pictures

Job Summary

Job Date : 9/9/2021



Utility Limitations

TERMS & CONDITIONS

http://www.gprsinc.com/termsandconditions.html

SIGNATURE

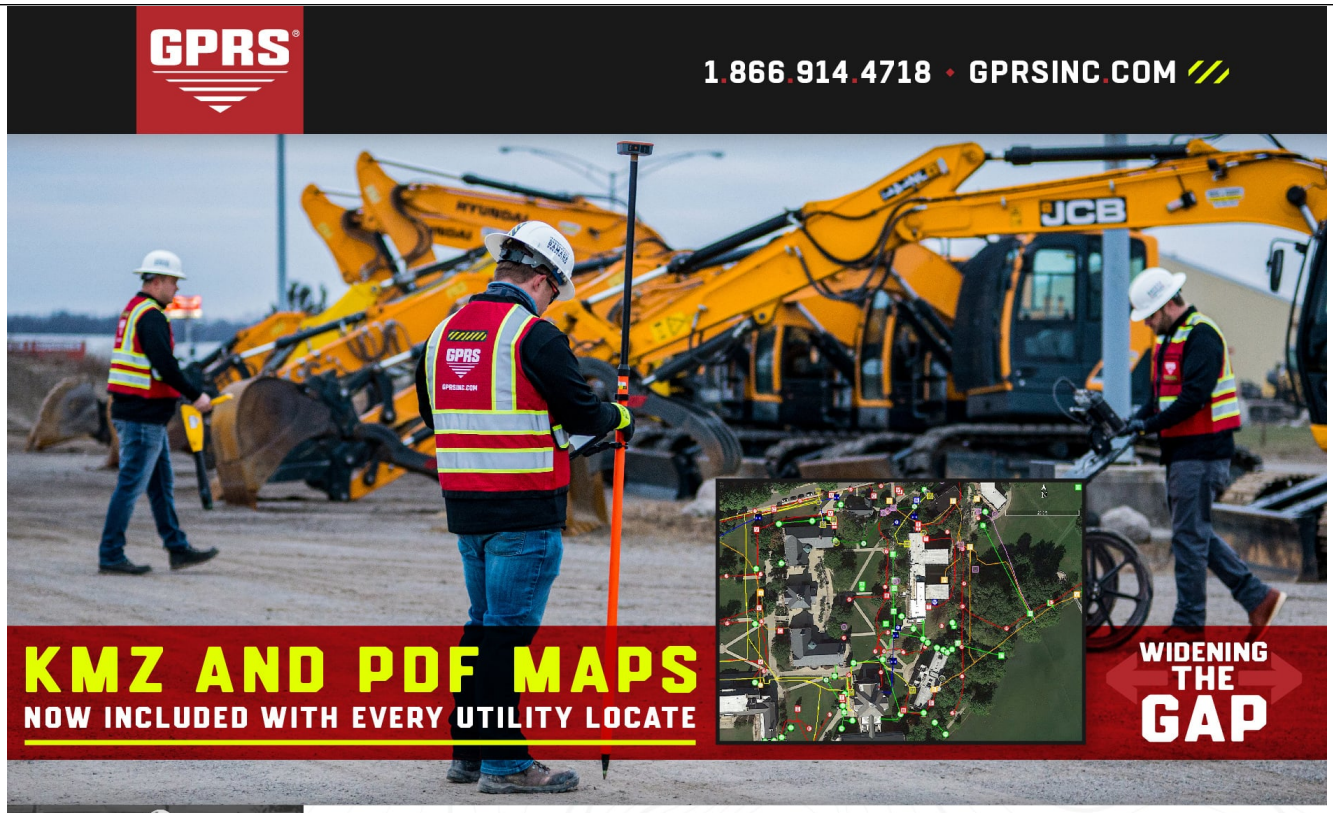
X

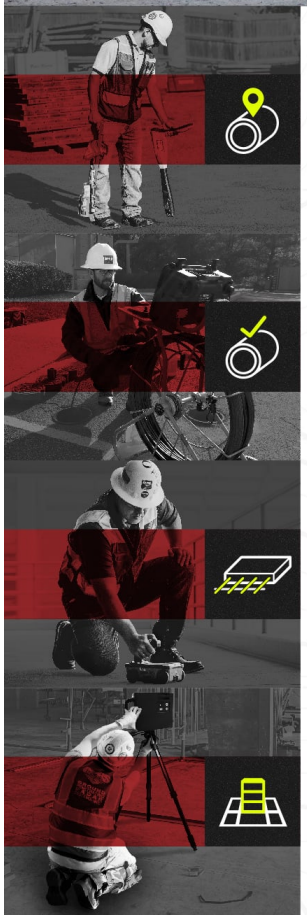
Contact Name

MARK HARRIS (410) 926-6985 MHARRIS@ENVALLIANCE.COM

Job Summary

Job Date : 9/9/2021





UTILITY LOCATING

To ensure the overall timely success of your project, utility detection is critical to any construction project where subsurface excavation is planned. If this critical first step is ignored, the risk for injury increases, budget overruns can multiply and your schedule can be delayed.

VIDEO PIPE INSPECTION

Video Pipe Inspection (CCTV) is a service used to inspect underground water, sewer and lateral pipelines. VPI is a great tool for investigating cross-bores, structural faults and damages, and lateral line inspection.

CONCRETE IMAGING

With new build construction and renovation projects, the likelihood of needing to cut or core concrete is high. There is an inherent risk of striking rebar, conduits, and post tension cables during the cutting or coring process. Our industry-leading concrete scanning services can mitigate the risks associated with saw cutting and core drilling concrete slabs.

MAPPING & MODELING

As-built utility maps, structural as-built drawings, and facility maps are actually meant to be “as-intended” drawings as the construction process or renovations can cause deviations to the original plan. GPRS can create a comprehensive facility map that contains precise as-built conditions – giving you peace of mind by knowing exactly what exists on your property.

ATTACHMENT II

SOIL BORING LOGS

Log of Boring: SB-2/TMW-1

Date Started:	09/13/2021	**Project Code:**	5277
Date Completed:	09/13/2021	**Project Name:**	Cordova Road Site
Total Depth (ft):	16.0	**Drilled By:**	Earth Matters, Inc.
Boring Diameter (in):	2.0	**Logged By:**	GP
Bedrock Depth (ft):	N/A	**Drill Rig:**	Geoprobe 200
Elevation (ft-amsl):	100.00	**Drill Method:**	Direct Push
Permit Number:	N/A	**Sampling Method:**	Macrocore

Depth (ft)	Sample ID	Recovery Interval	Recovery (Inches)	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0					FILL: Organics/ topsoil			
2			44	0.0	SW: Brown fine to medium sand with gravel			- Temporary Monitoring Well: 1-inch PVC riser placed from 0 to 6-ft. bgs. 1-inch Schedule 40 PVC 0.010-inch slotted screen placed from 6 to 16-ft. bgs
4				0.0				
6				0.0				
8			41	0.0				
10				0.0	SW: Light brown medium sand			
12	X		25	0.0				- Collected grab soil sample from 11.5 to 12.5-ft. bgs for laboratory analysis.
14				0.0	SW: Tan coarse sand, wet			
16			34					
18								
20								

Log of Boring: SB-5/TMW-2

Date Started:	09/13/2021	**Project Code:**	5277
Date Completed:	09/13/2021	**Project Name:**	Cordova Road Site
Total Depth (ft):	13.0	**Drilled By:**	Earth Matters, Inc.
Boring Diameter (in):	2.0	**Logged By:**	GP
Bedrock Depth (ft):	N/A	**Drill Rig:**	Geoprobe 200
Elevation (ft-amsl):	101.44	**Drill Method:**	Direct Push
Permit Number:	N/A	**Sampling Method:**	Macrocore

Depth (ft)	Sample ID	Recovery Interval	Recovery (Inches)	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0					ASPHALT			
				112.8	CL: Brown firm clay with mica			- Temporary Monitoring Well: 1-inch PVC riser placed from 0 to 3-ft. bgs. 1-inch Schedule 40 PVC 0.010-inch slotted screen placed from 3 to 13-ft. bgs
2			47	13.7				
				1.5				
4				5.1	SW: Brown fine, dense sand			
				0.5				
					SW: Brown-tan-orange medium sand			
6				1.9				
			35	0.7				
8								
				0.0				
10								
			44	0.1				- Collected grab soil sample from 10.5 to 11.5-ft. bgs for laboratory analysis.
12					SW: Orange-white coarse sand. Wet			
				0.0				
14								
16								
18								
20								

Log of Boring: SB-7/TMW-3

Date Started:	09/13/2021	**Project Code:**	5277
Date Completed:	09/13/2021	**Project Name:**	Cordova Road Site
Total Depth (ft):	13.0	**Drilled By:**	Earth Matters, Inc.
Boring Diameter (in):	2.0	**Logged By:**	GP
Bedrock Depth (ft):	N/A	**Drill Rig:**	Geoprobe 200
Elevation (ft-amsl):	98.48	**Drill Method:**	Direct Push
Permit Number:	N/A	**Sampling Method:**	Macrocore

Depth (ft)	Sample ID	Recovery Interval	Recovery (Inches)	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0					FILL: Organics/ topsoil			
2			43	0.0	CL: Brown firm, medium, sandy clay with gravel			- Temporary Monitoring Well: 1-inch PVC riser placed from 0 to 3-ft. bgs. 1-inch Schedule 40 PVC 0.010-inch slotted screen placed from 3 to 13-ft. bgs
4				0.0	SW: Brown fine to medium sand with gravel			
6				0.0	CH: Brown fine, sandy, soft clay, slightly moist			
8			39	0.0				
10				0.0	SW: Brown-tan fine to medium sand, wet			- Collected grab soil sample from 9 to 10-ft. bgs for laboratory analysis.
12			42	0.0	SP: Dark brown coarse sand with pebbles, wet			
14								
16								
18								
20								

Log of Boring: SB-8/TMW-4

Date Started:	09/13/2021	**Project Code:**	5277
Date Completed:	09/13/2021	**Project Name:**	Cordova Road Site
Total Depth (ft):	20.0	**Drilled By:**	Earth Matters, Inc.
Boring Diameter (in):	2.0	**Logged By:**	GP
Bedrock Depth (ft):	N/A	**Drill Rig:**	Geoprobe 200
Elevation (ft-amsl):	99.99	**Drill Method:**	Direct Push
Permit Number:	N/A	**Sampling Method:**	Macrocore

Depth (ft)	Sample ID	Recovery Interval	Recovery (Inches)	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0					FILL: Organics/ topsoil			
2			53	0.0	SP: Brown medium sand with pebbles			- Temporary Monitoring Well: 1-inch PVC riser placed from 0 to 10-ft. bgs. 1-inch Schedule 40 PVC 0.010-inch slotted screen placed from 10 to 20-ft. bgs
4				0.0				
6			45	0.0	SC: Brown coarse sand with clay, slightly moist			
8				0.0	CL: Brown-gray-red sandy, firm clay, moist at 7.5'			- Collected grab soil sample from 6.5 to 7-ft. bgs for laboratory analysis.
10			33	0.0	SW: Brown-tan coarse sand, dry			
12				0.0				
14			48	0.0	SW: Tan-orange fine to coarse sand with pebbles, trace clay, moist past 16' and wet from 17-20'			
16				0.0				
18			36	0.0				
20								

Log of Boring: SB-9/TMW-5

Date Started:	09/13/2021	**Project Code:**	5277
Date Completed:	09/13/2021	**Project Name:**	Cordova Road Site
Total Depth (ft):	20.0	**Drilled By:**	Earth Matters, Inc.
Boring Diameter (in):	2.0	**Logged By:**	GP
Bedrock Depth (ft):	N/A	**Drill Rig:**	Geoprobe 200
Elevation (ft-amsl):	100.00	**Drill Method:**	Direct Push
Permit Number:	N/A	**Sampling Method:**	Macrocore

Depth (ft)	Sample ID	Recovery Interval	Recovery (Inches)	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0					FILL: Organics/ topsoil			
					CL: Brown-red fine, sandy clay with pebbles			- Temporary Monitoring Well: 1-inch PVC riser placed from 0 to 10-ft. bgs. 1-inch Schedule 40 PVC 0.010-inch slotted screen placed from 10 to 20-ft. bgs
2			60	0.0				
4				0.0				
6				0.0				
			48					
8				0.0				
					SP: Brown fine to coarse sand with gravel, wet from 16-17'			
10				0.0				
			42					
12				0.0				
14				0.0				
			45					- Collected grab soil sample from 15 to 16-ft. bgs for laboratory analysis.
16				0.0				
					SP: Tan-white coarse sand with gravel, wet			
18			19					
20								

Log of Boring: SB-10/TMW-6

Date Started:	09/13/2021	**Project Code:**	5277
Date Completed:	09/13/2021	**Project Name:**	Cordova Road Site
Total Depth (ft):	20.0	**Drilled By:**	Earth Matters, Inc.
Boring Diameter (in):	2.0	**Logged By:**	GP
Bedrock Depth (ft):	N/A	**Drill Rig:**	Geoprobe 200
Elevation (ft-amsl):	99.89	**Drill Method:**	Direct Push
Permit Number:	N/A	**Sampling Method:**	Macrocore

Depth (ft)	Sample ID	Recovery Interval	Recovery (Inches)	PID	Lithological Description	Interpreted Lithology	Well Construction	Comments
0					FILL: Organics/ topsoil			
2			52	0.0	SW: Brown fine to medium dense sand with pebbles			- Temporary Monitoring Well: 1-inch PVC riser placed from 0 to 10-ft. bgs. 1-inch Schedule 40 PVC 0.010-inch slotted screen placed from 10 to 20-ft. bgs
4				0.0				
6			48	0.0	SW: Brown-gray fine to medium dense sand			
8				0.0	SC: Brown medium sandy clay			
10			48	0.0	CL-SW: Alternating brown-tan firm clay and brown-tan fine sand			
12				0.0				
14			36	0.0	SW: Tan-black very fine quartz sand with pebbles			
16				0.0				- Collected grab soil sample from 16 to 17-ft. bgs for laboratory analysis.
18			35	0.0	CL: Tan-orange fine sandy clay with gravel, wet			
20								

Log of Boring: SB-1

Date Started:	09/13/2021	**Project Code:**	5277
Date Completed:	09/13/2021	**Project Name:**	Cordova Road Site
Total Depth (ft):	13.0	**Drilled By:**	Earth Matters, Inc.
Boring Diameter (in):	2.0	**Logged By:**	GP
Bedrock Depth (ft):	N/A	**Drill Rig:**	Geoprobe 200
Elevation (ft-amsl):	N/A	**Drill Method:**	Direct Push
Permit Number:	N/A	**Sampling Method:**	Macrocore

Depth (ft)	Sample ID	Recovery Interval	Recovery (Inches)	PID	Lithological Description	Interpreted Lithology	Comments
0					ASPHALT		
					CL: Dark brown fine, sandy, firm clay		
2			42	0.0			
4				0.0	SW: Light brown medium sand with mica		
					SW: Tan-brown fine, dense sand		
6				0.0			
			40				
8				0.0			
					SW: Brown medium sand		- Collected grab soil sample from 9 to 10-ft. bgs for laboratory analysis.
10				0.0	SW: Brown-tan medium to coarse sand, wet		
			37				
12				0.0			
14							

Log of Boring: SB-3

Date Started:	09/13/2021	**Project Code:**	5277
Date Completed:	09/13/2021	**Project Name:**	Cordova Road Site
Total Depth (ft):	9.0	**Drilled By:**	Earth Matters, Inc.
Boring Diameter (in):	2.0	**Logged By:**	GP
Bedrock Depth (ft):	N/A	**Drill Rig:**	Geoprobe 200
Elevation (ft-amsl):	N/A	**Drill Method:**	Direct Push
Permit Number:	N/A	**Sampling Method:**	Macrocore

Depth (ft)	Sample ID	Recovery Interval	Recovery (Inches)	PID	Lithological Description	Interpreted Lithology	Comments
0					ASPHALT		
					SW: Brown-orange medium sand		
2			44	0.0			
4				0.0			
					SP: Medium to coarse sand with pebbles, wet at base		
6				0.0			
			31				
8				0.0			- Collected grab soil sample from 8 to 9-ft. bgs for laboratory analysis.
10							
12							
14							

Log of Boring: SB-4

Date Started:	09/13/2021	**Project Code:**	5277
Date Completed:	09/13/2021	**Project Name:**	Cordova Road Site
Total Depth (ft):	13.0	**Drilled By:**	Earth Matters, Inc.
Boring Diameter (in):	2.0	**Logged By:**	GP
Bedrock Depth (ft):	N/A	**Drill Rig:**	Geoprobe 200
Elevation (ft-amsl):	N/A	**Drill Method:**	Direct Push
Permit Number:	N/A	**Sampling Method:**	Macrocore

Depth (ft)	Sample ID	Recovery Interval	Recovery (Inches)	PID	Lithological Description	Interpreted Lithology	Comments
0					FILL: Organics/ topsoil		
2			33	0.0	CL: Brown fine, sandy, dense clay		
4				0.0	SW: Light brown medium sand		
6				0.0	SP: Light brown-tan medium sand with pebbles		
8			32	0.0			
10				0.0	SP: Tan-white sandy gravel with trace clay, wet		- Collected grab soil sample from 10 to 11-ft. bgs for laboratory analysis.
12			25	0.0	SW: Tan-black medium to coarse sand with gravel, wet		
14							

Log of Boring: SB-6

Date Started:	09/13/2021	**Project Code:**	5277
Date Completed:	09/13/2021	**Project Name:**	Cordova Road Site
Total Depth (ft):	13.0	**Drilled By:**	Earth Matters, Inc.
Boring Diameter (in):	2.0	**Logged By:**	GP
Bedrock Depth (ft):	N/A	**Drill Rig:**	Geoprobe 200
Elevation (ft-amsl):	N/A	**Drill Method:**	Direct Push
Permit Number:	N/A	**Sampling Method:**	Macrocore

Depth (ft)	Sample ID	Recovery Interval	Recovery (Inches)	PID	Lithological Description	Interpreted Lithology	Comments
0					ASPHALT		
					SW: Brown fine to coarse sand with gravel		
2			46	0.0			
4				0.0			
					SM: Brown fine, silty sand		
6				0.0			
			35				
8				0.0	SW: Tan fine sand with pebbles		
10				0.0			
			36				- Collected grab soil sample from 11 to 12-ft. bgs for laboratory analysis.
12				0.0	SW: Brown-tan coarse sand, wet		
14							

ATTACHMENT III

LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Lancaster Laboratories Env, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-54992-1
Client Project/Site: 5227 / Cordova Road, MD

For:
Environmental Alliance, Inc.
5341 Limestone Road
Wilmington, Delaware 19808

Attn: Mr. Graham Prowse

Authorized for release by:
9/29/2021 7:02:39 AM

Megan Moeller, Client Services Group Leader
(717)556-7261
Megan.Moeller@eurofinset.com

LINKS

Review your project results through TotalAccess

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

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

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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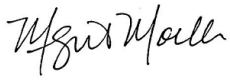

Megan Moeller
Client Services Group Leader
9/29/2021 7:02:39 AM

Table of Contents

Definitions/Glossary

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

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

GC Semi VOA

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

Metals

Qualifier	Qualifier Description
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 410-54992-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-54992-1

Receipt
The samples were received on 9/14/2021 6:08 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were -1.4°C and -0.1°C

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 410-173576 recovered above the upper control limit for 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone and Acetone. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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

Gasoline Range Organics
Method 8015C_GRO: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: SB-40913211455 (410-54992-4). Elevated reporting limits (RLs) are provided.

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

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

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

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

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

Detection Summary

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Client Sample ID: SB-10913211415 — Lab Sample ID: 410-54992-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.017	J	0.021	0.0063	mg/Kg	1	☼	8260C	Total/NA
GRO (1C)	0.36	J	1.2	0.21	mg/Kg	25	☼	8015C	Total/NA
DRO (C10-C28) (1C)	75		13	5.4	mg/Kg	1	☼	8015C	Total/NA

Client Sample ID: SB-20913211345 — Lab Sample ID: 410-54992-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.016	J	0.019	0.0057	mg/Kg	1	☼	8260C	Total/NA
GRO (1C)	0.26	J	1.1	0.20	mg/Kg	25	☼	8015C	Total/NA

Client Sample ID: SB-30913211445 — Lab Sample ID: 410-54992-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.012	J	0.020	0.0059	mg/Kg	1	☼	8260C	Total/NA
GRO (1C)	0.25	J	1.1	0.21	mg/Kg	25	☼	8015C	Total/NA

Client Sample ID: SB-40913211455 — Lab Sample ID: 410-54992-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	0.0039	J	0.010	0.0020	mg/Kg	1	☼	8260C	Total/NA
Acetone	0.029		0.020	0.0061	mg/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-50913211530 — Lab Sample ID: 410-54992-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.012	J	0.019	0.0057	mg/Kg	1	☼	8260C	Total/NA
Methyl acetate	0.0011	J	0.0047	0.00094	mg/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-60913211600 — Lab Sample ID: 410-54992-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.013	J	0.019	0.0058	mg/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-70913211305 — Lab Sample ID: 410-54992-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
p,p'-DDD (2C)	0.00044	J	0.0020	0.00038	mg/Kg	1	☼	8081B	Total/NA
p,p'-DDE (1C)	0.0072		0.0020	0.00038	mg/Kg	1	☼	8081B	Total/NA
p,p'-DDT (1C)	0.0035		0.0020	0.00092	mg/Kg	1	☼	8081B	Total/NA
Aluminum	33000		110	48	mg/Kg	10	☼	6020A	Total/NA
Arsenic	1.6		0.44	0.15	mg/Kg	2	☼	6020A	Total/NA
Barium	28		0.44	0.20	mg/Kg	2	☼	6020A	Total/NA
Beryllium	0.46		0.11	0.026	mg/Kg	2	☼	6020A	Total/NA
Calcium	330		44	16	mg/Kg	2	☼	6020A	Total/NA
Chromium	10		0.44	0.17	mg/Kg	2	☼	6020A	Total/NA
Cobalt	45		0.22	0.064	mg/Kg	2	☼	6020A	Total/NA
Copper	3.3		0.44	0.19	mg/Kg	2	☼	6020A	Total/NA
Iron	6900		22	8.2	mg/Kg	2	☼	6020A	Total/NA
Lead	7.9		0.22	0.055	mg/Kg	2	☼	6020A	Total/NA
Magnesium	410		11	3.4	mg/Kg	2	☼	6020A	Total/NA
Manganese	170		0.44	0.23	mg/Kg	2	☼	6020A	Total/NA
Nickel	7.5		0.44	0.18	mg/Kg	2	☼	6020A	Total/NA
Potassium	450		44	21	mg/Kg	2	☼	6020A	Total/NA
Thallium	0.064	J	0.11	0.043	mg/Kg	2	☼	6020A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-70913211305 (Continued) — Lab Sample ID: 410-54992-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	17	J	33	1.2	mg/Kg	2	☼	6020A	Total/NA
Vanadium	21		0.88	0.094	mg/Kg	2	☼	6020A	Total/NA

Client Sample ID: SB-80913210940 — Lab Sample ID: 410-54992-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	30000		110	47	mg/Kg	10	☼	6020A	Total/NA
Arsenic	0.70		0.43	0.14	mg/Kg	2	☼	6020A	Total/NA
Barium	18		0.43	0.20	mg/Kg	2	☼	6020A	Total/NA
Beryllium	0.28		0.11	0.026	mg/Kg	2	☼	6020A	Total/NA
Calcium	230		43	16	mg/Kg	2	☼	6020A	Total/NA
Chromium	12		0.43	0.17	mg/Kg	2	☼	6020A	Total/NA
Cobalt	1.9		0.22	0.063	mg/Kg	2	☼	6020A	Total/NA
Copper	4.1		0.43	0.19	mg/Kg	2	☼	6020A	Total/NA
Iron	3600		22	8.1	mg/Kg	2	☼	6020A	Total/NA
Lead	5.2		0.22	0.054	mg/Kg	2	☼	6020A	Total/NA
Magnesium	390		11	3.4	mg/Kg	2	☼	6020A	Total/NA
Manganese	13		0.43	0.23	mg/Kg	2	☼	6020A	Total/NA
Nickel	6.6		0.43	0.18	mg/Kg	2	☼	6020A	Total/NA
Potassium	520		43	21	mg/Kg	2	☼	6020A	Total/NA
Thallium	0.063	J	0.11	0.042	mg/Kg	2	☼	6020A	Total/NA
Zinc	14	J	32	1.2	mg/Kg	2	☼	6020A	Total/NA
Vanadium	17		0.86	0.093	mg/Kg	2	☼	6020A	Total/NA

Client Sample ID: SB-90913211035 — Lab Sample ID: 410-54992-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
p,p'-DDD (2C)	0.00075	J	0.0019	0.00037	mg/Kg	1	☼	8081B	Total/NA
Aluminum	15000		19	8.5	mg/Kg	2	☼	6020A	Total/NA
Arsenic	0.99		0.39	0.13	mg/Kg	2	☼	6020A	Total/NA
Barium	14		0.39	0.18	mg/Kg	2	☼	6020A	Total/NA
Beryllium	0.25		0.097	0.023	mg/Kg	2	☼	6020A	Total/NA
Calcium	130		39	15	mg/Kg	2	☼	6020A	Total/NA
Chromium	6.8		0.39	0.15	mg/Kg	2	☼	6020A	Total/NA
Cobalt	1.2		0.19	0.057	mg/Kg	2	☼	6020A	Total/NA
Copper	2.4		0.39	0.17	mg/Kg	2	☼	6020A	Total/NA
Iron	4600		19	7.3	mg/Kg	2	☼	6020A	Total/NA
Lead	4.1		0.19	0.049	mg/Kg	2	☼	6020A	Total/NA
Magnesium	280		9.7	3.0	mg/Kg	2	☼	6020A	Total/NA
Manganese	11		0.39	0.21	mg/Kg	2	☼	6020A	Total/NA
Nickel	4.0		0.39	0.16	mg/Kg	2	☼	6020A	Total/NA
Potassium	370		39	18	mg/Kg	2	☼	6020A	Total/NA
Zinc	9.4	J	29	1.0	mg/Kg	2	☼	6020A	Total/NA
Vanadium	11		0.77	0.083	mg/Kg	2	☼	6020A	Total/NA

Client Sample ID: SB-100913211150 — Lab Sample ID: 410-54992-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	4200		21	9.2	mg/Kg	2	☼	6020A	Total/NA
Arsenic	0.17	J	0.42	0.14	mg/Kg	2	☼	6020A	Total/NA
Barium	4.9		0.42	0.19	mg/Kg	2	☼	6020A	Total/NA
Beryllium	0.058	J	0.11	0.025	mg/Kg	2	☼	6020A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-100913211150 (Continued)

Lab Sample ID: 410-54992-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	38	J	42	16	mg/Kg	2	☼	6020A	Total/NA
Chromium	3.2		0.42	0.16	mg/Kg	2	☼	6020A	Total/NA
Cobalt	0.35		0.21	0.061	mg/Kg	2	☼	6020A	Total/NA
Copper	0.69		0.42	0.18	mg/Kg	2	☼	6020A	Total/NA
Iron	630		21	7.9	mg/Kg	2	☼	6020A	Total/NA
Lead	1.9		0.21	0.053	mg/Kg	2	☼	6020A	Total/NA
Magnesium	73		11	3.3	mg/Kg	2	☼	6020A	Total/NA
Manganese	8.7		0.42	0.22	mg/Kg	2	☼	6020A	Total/NA
Nickel	1.4		0.42	0.17	mg/Kg	2	☼	6020A	Total/NA
Potassium	170		42	20	mg/Kg	2	☼	6020A	Total/NA
Zinc	2.5	J	32	1.1	mg/Kg	2	☼	6020A	Total/NA
Vanadium	3.3		0.84	0.090	mg/Kg	2	☼	6020A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Client Sample ID: SB-10913211415
Date Collected: 09/13/21 14:15
Date Received: 09/14/21 18:08

Lab Sample ID: 410-54992-1
Matrix: Soil
Percent Solids: 92.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0053	0.00063	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
1,1,2,2-Tetrachloroethane	ND		0.0053	0.00042	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
1,1,2-Trichloroethane	ND		0.0053	0.00053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
1,1-Dichloroethane	ND		0.0053	0.00053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
1,1-Dichloroethene	ND		0.0053	0.00053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
1,2,3-Trichlorobenzene	ND		0.011	0.0053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
1,2,4-Trichlorobenzene	ND		0.011	0.0053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
1,2-Dibromo-3-Chloropropane	ND		0.0053	0.00053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
1,2-Dibromoethane	ND		0.0053	0.00042	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
1,2-Dichlorobenzene	ND		0.0053	0.00053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
1,2-Dichloroethane	ND		0.0053	0.00063	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
1,2-Dichloropropane	ND		0.0053	0.00053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
1,3-Dichlorobenzene	ND		0.0053	0.00053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
1,4-Dichlorobenzene	ND		0.0053	0.00042	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
2-Butanone	ND		0.011	0.0021	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
2-Hexanone	ND		0.011	0.0011	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
4-Methyl-2-pentanone	ND		0.011	0.0011	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Acetone	**0.017**	**J**	0.021	0.0063	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Benzene	ND		0.0053	0.00053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Bromochloromethane	ND		0.0053	0.00063	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Bromodichloromethane	ND		0.0053	0.00042	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Bromoform	ND		0.011	0.0053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Bromomethane	ND		0.0053	0.00074	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Carbon disulfide	ND		0.0053	0.00063	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Carbon tetrachloride	ND		0.0053	0.00053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Chlorobenzene	ND		0.0053	0.00053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Chloroethane	ND		0.0053	0.0011	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Chloroform	ND		0.0053	0.00063	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Chloromethane	ND		0.0053	0.00063	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
cis-1,2-Dichloroethene	ND		0.0053	0.00053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
cis-1,3-Dichloropropene	ND		0.0053	0.00042	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Cyclohexane	ND		0.0053	0.00053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Dibromochloromethane	ND		0.0053	0.00053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Dichlorodifluoromethane	ND		0.0053	0.00063	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Ethylbenzene	ND		0.0053	0.00042	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Freon 113	ND		0.011	0.00063	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Isopropylbenzene	ND		0.0053	0.00042	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
m&p-Xylene	ND		0.0053	0.0011	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Methyl acetate	ND		0.0053	0.0011	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Methyl tertiary butyl ether	ND		0.0053	0.00053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Methylcyclohexane	ND		0.0053	0.00063	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Methylene Chloride	ND		0.0053	0.0021	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
o-Xylene	ND		0.0053	0.00042	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Styrene	ND		0.0053	0.00042	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Tetrachloroethene	ND		0.0053	0.00053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Toluene	ND		0.0053	0.00063	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
trans-1,2-Dichloroethene	ND		0.0053	0.00053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
trans-1,3-Dichloropropene	ND		0.0053	0.00053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Trichloroethene	ND		0.0053	0.00053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Client Sample ID: SB-10913211415
Date Collected: 09/13/21 14:15
Date Received: 09/14/21 18:08

Lab Sample ID: 410-54992-1
Matrix: Soil
Percent Solids: 92.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0053	0.00074	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Vinyl chloride	ND		0.0053	0.00063	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Xylenes, Total	ND		0.011	0.0015	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
di-Isopropyl ether	ND		0.0053	0.00053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Ethyl t-butyl ether	ND		0.0053	0.00053	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
Naphthalene	ND		0.0053	0.0021	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
t-Amyl methyl ether	ND		0.0053	0.00084	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1
t-Butyl alcohol	ND	*+	0.11	0.016	mg/Kg	☼	09/20/21 10:12	09/21/21 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*54 - 135*	*09/20/21 10:12*	*09/21/21 14:29*	*1*
4-Bromofluorobenzene (Surr)	*93*		*50 - 131*	*09/20/21 10:12*	*09/21/21 14:29*	*1*
Dibromofluoromethane (Surr)	*104*		*50 - 141*	*09/20/21 10:12*	*09/21/21 14:29*	*1*
Toluene-d8 (Surr)	*95*		*52 - 141*	*09/20/21 10:12*	*09/21/21 14:29*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	**0.36**	**J**	1.2	0.21	mg/Kg	☼	09/21/21 20:01	09/22/21 17:15	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*114*		*50 - 142*	*09/21/21 20:01*	*09/22/21 17:15*	*25*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28) (1C)	**75**		13	5.4	mg/Kg	☼	09/21/21 09:10	09/22/21 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr) (1C)	*110*		*42 - 143*	*09/21/21 09:10*	*09/22/21 00:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.8**		1.0	1.0	%			09/20/21 09:35	1

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Client Sample ID: SB-20913211345
Date Collected: 09/13/21 13:45
Date Received: 09/14/21 18:08

Lab Sample ID: 410-54992-2
Matrix: Soil
Percent Solids: 94.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0048	0.00057	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
1,1,2,2-Tetrachloroethane	ND		0.0048	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
1,1,2-Trichloroethane	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
1,1-Dichloroethane	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
1,1-Dichloroethene	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
1,2,3-Trichlorobenzene	ND		0.0095	0.0048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
1,2,4-Trichlorobenzene	ND		0.0095	0.0048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
1,2-Dibromo-3-Chloropropane	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
1,2-Dibromoethane	ND		0.0048	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
1,2-Dichlorobenzene	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
1,2-Dichloroethane	ND		0.0048	0.00057	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
1,2-Dichloropropane	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
1,3-Dichlorobenzene	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
1,4-Dichlorobenzene	ND		0.0048	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
2-Butanone	ND		0.0095	0.0019	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
2-Hexanone	ND		0.0095	0.00095	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
4-Methyl-2-pentanone	ND		0.0095	0.00095	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Acetone	**0.016**	**J**	0.019	0.0057	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Benzene	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Bromochloromethane	ND		0.0048	0.00057	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Bromodichloromethane	ND		0.0048	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Bromoform	ND		0.0095	0.0048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Bromomethane	ND		0.0048	0.00067	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Carbon disulfide	ND		0.0048	0.00057	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Carbon tetrachloride	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Chlorobenzene	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Chloroethane	ND		0.0048	0.00095	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Chloroform	ND		0.0048	0.00057	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Chloromethane	ND		0.0048	0.00057	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
cis-1,2-Dichloroethene	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
cis-1,3-Dichloropropene	ND		0.0048	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Cyclohexane	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Dibromochloromethane	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Dichlorodifluoromethane	ND		0.0048	0.00057	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Ethylbenzene	ND		0.0048	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Freon 113	ND		0.0095	0.00057	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Isopropylbenzene	ND		0.0048	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
m&p-Xylene	ND		0.0048	0.00095	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Methyl acetate	ND		0.0048	0.00095	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Methyl tertiary butyl ether	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Methylcyclohexane	ND		0.0048	0.00057	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Methylene Chloride	ND		0.0048	0.0019	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
o-Xylene	ND		0.0048	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Styrene	ND		0.0048	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Tetrachloroethene	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Toluene	ND		0.0048	0.00057	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
trans-1,2-Dichloroethene	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
trans-1,3-Dichloropropene	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Trichloroethene	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Client Sample ID: SB-20913211345
Date Collected: 09/13/21 13:45
Date Received: 09/14/21 18:08

Lab Sample ID: 410-54992-2
Matrix: Soil
Percent Solids: 94.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0048	0.00067	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Vinyl chloride	ND		0.0048	0.00057	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Xylenes, Total	ND		0.0095	0.0013	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
di-Isopropyl ether	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Ethyl t-butyl ether	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
Naphthalene	ND		0.0048	0.0019	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
t-Amyl methyl ether	ND		0.0048	0.00076	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1
t-Butyl alcohol	ND	*+	0.095	0.014	mg/Kg	☼	09/20/21 10:12	09/21/21 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*54 - 135*	*09/20/21 10:12*	*09/21/21 14:52*	*1*
4-Bromofluorobenzene (Surr)	*93*		*50 - 131*	*09/20/21 10:12*	*09/21/21 14:52*	*1*
Dibromofluoromethane (Surr)	*103*		*50 - 141*	*09/20/21 10:12*	*09/21/21 14:52*	*1*
Toluene-d8 (Surr)	*95*		*52 - 141*	*09/20/21 10:12*	*09/21/21 14:52*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	**0.26**	**J**	1.1	0.20	mg/Kg	☼	09/22/21 09:36	09/22/21 17:54	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*117*		*50 - 142*	*09/22/21 09:36*	*09/22/21 17:54*	*25*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28) (1C)	ND		13	5.3	mg/Kg	☼	09/21/21 09:10	09/21/21 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr) (1C)	*100*		*42 - 143*	*09/21/21 09:10*	*09/21/21 19:42*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.9**		1.0	1.0	%			09/20/21 09:35	1

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Client Sample ID: SB-30913211445
Date Collected: 09/13/21 14:45
Date Received: 09/14/21 18:08

Lab Sample ID: 410-54992-3
Matrix: Soil
Percent Solids: 92.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0049	0.00059	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
1,1,2,2-Tetrachloroethane	ND		0.0049	0.00039	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
1,1,2-Trichloroethane	ND		0.0049	0.00049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
1,1-Dichloroethane	ND		0.0049	0.00049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
1,1-Dichloroethene	ND		0.0049	0.00049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
1,2,3-Trichlorobenzene	ND		0.0098	0.0049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
1,2,4-Trichlorobenzene	ND		0.0098	0.0049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
1,2-Dibromo-3-Chloropropane	ND		0.0049	0.00049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
1,2-Dibromoethane	ND		0.0049	0.00039	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
1,2-Dichlorobenzene	ND		0.0049	0.00049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
1,2-Dichloroethane	ND		0.0049	0.00059	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
1,2-Dichloropropane	ND		0.0049	0.00049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
1,3-Dichlorobenzene	ND		0.0049	0.00049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
1,4-Dichlorobenzene	ND		0.0049	0.00039	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
2-Butanone	ND		0.0098	0.0020	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
2-Hexanone	ND		0.0098	0.00098	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
4-Methyl-2-pentanone	ND		0.0098	0.00098	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Acetone	**0.012**	**J**	0.020	0.0059	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Benzene	ND		0.0049	0.00049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Bromochloromethane	ND		0.0049	0.00059	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Bromodichloromethane	ND		0.0049	0.00039	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Bromoform	ND		0.0098	0.0049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Bromomethane	ND		0.0049	0.00068	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Carbon disulfide	ND		0.0049	0.00059	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Carbon tetrachloride	ND		0.0049	0.00049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Chlorobenzene	ND		0.0049	0.00049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Chloroethane	ND		0.0049	0.00098	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Chloroform	ND		0.0049	0.00059	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Chloromethane	ND		0.0049	0.00059	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
cis-1,2-Dichloroethene	ND		0.0049	0.00049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
cis-1,3-Dichloropropene	ND		0.0049	0.00039	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Cyclohexane	ND		0.0049	0.00049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Dibromochloromethane	ND		0.0049	0.00049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Dichlorodifluoromethane	ND		0.0049	0.00059	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Ethylbenzene	ND		0.0049	0.00039	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Freon 113	ND		0.0098	0.00059	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Isopropylbenzene	ND		0.0049	0.00039	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
m&p-Xylene	ND		0.0049	0.00098	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Methyl acetate	ND		0.0049	0.00098	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Methyl tertiary butyl ether	ND		0.0049	0.00049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Methylcyclohexane	ND		0.0049	0.00059	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Methylene Chloride	ND		0.0049	0.0020	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
o-Xylene	ND		0.0049	0.00039	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Styrene	ND		0.0049	0.00039	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Tetrachloroethene	ND		0.0049	0.00049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Toluene	ND		0.0049	0.00059	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
trans-1,2-Dichloroethene	ND		0.0049	0.00049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
trans-1,3-Dichloropropene	ND		0.0049	0.00049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Trichloroethene	ND		0.0049	0.00049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1

Client Sample ID: SB-30913211445
Date Collected: 09/13/21 14:45
Date Received: 09/14/21 18:08

Lab Sample ID: 410-54992-3
Matrix: Soil
Percent Solids: 92.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0049	0.00068	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Vinyl chloride	ND		0.0049	0.00059	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Xylenes, Total	ND		0.0098	0.0014	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
di-Isopropyl ether	ND		0.0049	0.00049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Ethyl t-butyl ether	ND		0.0049	0.00049	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
Naphthalene	ND		0.0049	0.0020	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
t-Amyl methyl ether	ND		0.0049	0.00078	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1
t-Butyl alcohol	ND	*+	0.098	0.015	mg/Kg	☼	09/20/21 10:12	09/21/21 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*54 - 135*	*09/20/21 10:12*	*09/21/21 15:15*	*1*
4-Bromofluorobenzene (Surr)	*92*		*50 - 131*	*09/20/21 10:12*	*09/21/21 15:15*	*1*
Dibromofluoromethane (Surr)	*105*		*50 - 141*	*09/20/21 10:12*	*09/21/21 15:15*	*1*
Toluene-d8 (Surr)	*95*		*52 - 141*	*09/20/21 10:12*	*09/21/21 15:15*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	**0.25**	**J**	1.1	0.21	mg/Kg	☼	09/22/21 09:36	09/22/21 18:32	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*114*		*50 - 142*	*09/22/21 09:36*	*09/22/21 18:32*	*25*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28) (1C)	ND		13	5.3	mg/Kg	☼	09/21/21 09:10	09/21/21 21:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr) (1C)	*99*		*42 - 143*	*09/21/21 09:10*	*09/21/21 21:30*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.3**		1.0	1.0	%			09/20/21 09:35	1

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Client Sample ID: SB-40913211455
Date Collected: 09/13/21 14:55
Date Received: 09/14/21 18:08

Lab Sample ID: 410-54992-4
Matrix: Soil
Percent Solids: 94.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0051	0.00061	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
1,1,2,2-Tetrachloroethane	ND		0.0051	0.00041	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
1,1,2-Trichloroethane	ND		0.0051	0.00051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
1,1-Dichloroethane	ND		0.0051	0.00051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
1,1-Dichloroethene	ND		0.0051	0.00051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
1,2,3-Trichlorobenzene	ND		0.010	0.0051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
1,2,4-Trichlorobenzene	ND		0.010	0.0051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
1,2-Dibromo-3-Chloropropane	ND		0.0051	0.00051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
1,2-Dibromoethane	ND		0.0051	0.00041	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
1,2-Dichlorobenzene	ND		0.0051	0.00051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
1,2-Dichloroethane	ND		0.0051	0.00061	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
1,2-Dichloropropane	ND		0.0051	0.00051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
1,3-Dichlorobenzene	ND		0.0051	0.00051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
1,4-Dichlorobenzene	ND		0.0051	0.00041	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
2-Butanone	**0.0039**	**J**	0.010	0.0020	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
2-Hexanone	ND		0.010	0.0010	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
4-Methyl-2-pentanone	ND		0.010	0.0010	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Acetone	**0.029**		0.020	0.0061	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Benzene	ND		0.0051	0.00051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Bromochloromethane	ND		0.0051	0.00061	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Bromodichloromethane	ND		0.0051	0.00041	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Bromoform	ND		0.010	0.0051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Bromomethane	ND		0.0051	0.00071	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Carbon disulfide	ND		0.0051	0.00061	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Carbon tetrachloride	ND		0.0051	0.00051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Chlorobenzene	ND		0.0051	0.00051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Chloroethane	ND		0.0051	0.0010	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Chloroform	ND		0.0051	0.00061	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Chloromethane	ND		0.0051	0.00061	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
cis-1,2-Dichloroethene	ND		0.0051	0.00051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
cis-1,3-Dichloropropene	ND		0.0051	0.00041	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Cyclohexane	ND		0.0051	0.00051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Dibromochloromethane	ND		0.0051	0.00051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Dichlorodifluoromethane	ND		0.0051	0.00061	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Ethylbenzene	ND		0.0051	0.00041	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Freon 113	ND		0.010	0.00061	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Isopropylbenzene	ND		0.0051	0.00041	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
m&p-Xylene	ND		0.0051	0.0010	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Methyl acetate	ND		0.0051	0.0010	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Methyl tertiary butyl ether	ND		0.0051	0.00051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Methylcyclohexane	ND		0.0051	0.00061	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Methylene Chloride	ND		0.0051	0.0020	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
o-Xylene	ND		0.0051	0.00041	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Styrene	ND		0.0051	0.00041	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Tetrachloroethene	ND		0.0051	0.00051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Toluene	ND		0.0051	0.00061	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
trans-1,2-Dichloroethene	ND		0.0051	0.00051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
trans-1,3-Dichloropropene	ND		0.0051	0.00051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Trichloroethene	ND		0.0051	0.00051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1

Client Sample ID: SB-40913211455
Date Collected: 09/13/21 14:55
Date Received: 09/14/21 18:08

Lab Sample ID: 410-54992-4
Matrix: Soil
Percent Solids: 94.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0051	0.00071	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Vinyl chloride	ND		0.0051	0.00061	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Xylenes, Total	ND		0.010	0.0014	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
di-Isopropyl ether	ND		0.0051	0.00051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Ethyl t-butyl ether	ND		0.0051	0.00051	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
Naphthalene	ND		0.0051	0.0020	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
t-Amyl methyl ether	ND		0.0051	0.00081	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1
t-Butyl alcohol	ND	*+	0.10	0.015	mg/Kg	☼	09/20/21 10:12	09/21/21 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*54 - 135*	*09/20/21 10:12*	*09/21/21 15:38*	*1*
4-Bromofluorobenzene (Surr)	*94*		*50 - 131*	*09/20/21 10:12*	*09/21/21 15:38*	*1*
Dibromofluoromethane (Surr)	*104*		*50 - 141*	*09/20/21 10:12*	*09/21/21 15:38*	*1*
Toluene-d8 (Surr)	*95*		*52 - 141*	*09/20/21 10:12*	*09/21/21 15:38*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		1.1	0.20	mg/Kg	☼	09/21/21 20:01	09/22/21 19:11	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*115*		*50 - 142*	*09/21/21 20:01*	*09/22/21 19:11*	*25*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28) (1C)	ND		13	5.3	mg/Kg	☼	09/21/21 09:10	09/21/21 21:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr) (1C)	*106*		*42 - 143*	*09/21/21 09:10*	*09/21/21 21:52*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.9**		1.0	1.0	%			09/20/21 09:35	1

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Client Sample ID: SB-50913211530
Date Collected: 09/13/21 15:30
Date Received: 09/14/21 18:08

Lab Sample ID: 410-54992-5
Matrix: Soil
Percent Solids: 87.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0047	0.00057	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
1,1,2,2-Tetrachloroethane	ND		0.0047	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
1,1,2-Trichloroethane	ND		0.0047	0.00047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
1,1-Dichloroethane	ND		0.0047	0.00047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
1,1-Dichloroethene	ND		0.0047	0.00047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
1,2,3-Trichlorobenzene	ND		0.0094	0.0047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
1,2,4-Trichlorobenzene	ND		0.0094	0.0047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
1,2-Dibromo-3-Chloropropane	ND		0.0047	0.00047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
1,2-Dibromoethane	ND		0.0047	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
1,2-Dichlorobenzene	ND		0.0047	0.00047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
1,2-Dichloroethane	ND		0.0047	0.00057	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
1,2-Dichloropropane	ND		0.0047	0.00047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
1,3-Dichlorobenzene	ND		0.0047	0.00047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
1,4-Dichlorobenzene	ND		0.0047	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
2-Butanone	ND		0.0094	0.0019	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
2-Hexanone	ND		0.0094	0.00094	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
4-Methyl-2-pentanone	ND		0.0094	0.00094	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Acetone	**0.012**	**J**	0.019	0.0057	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Benzene	ND		0.0047	0.00047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Bromochloromethane	ND		0.0047	0.00057	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Bromodichloromethane	ND		0.0047	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Bromoform	ND		0.0094	0.0047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Bromomethane	ND		0.0047	0.00066	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Carbon disulfide	ND		0.0047	0.00057	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Carbon tetrachloride	ND		0.0047	0.00047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Chlorobenzene	ND		0.0047	0.00047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Chloroethane	ND		0.0047	0.00094	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Chloroform	ND		0.0047	0.00057	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Chloromethane	ND		0.0047	0.00057	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
cis-1,2-Dichloroethene	ND		0.0047	0.00047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
cis-1,3-Dichloropropene	ND		0.0047	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Cyclohexane	ND		0.0047	0.00047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Dibromochloromethane	ND		0.0047	0.00047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Dichlorodifluoromethane	ND		0.0047	0.00057	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Ethylbenzene	ND		0.0047	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Freon 113	ND		0.0094	0.00057	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Isopropylbenzene	ND		0.0047	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
m&p-Xylene	ND		0.0047	0.00094	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Methyl acetate	**0.0011**	**J**	0.0047	0.00094	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Methyl tertiary butyl ether	ND		0.0047	0.00047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Methylcyclohexane	ND		0.0047	0.00057	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Methylene Chloride	ND		0.0047	0.0019	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
o-Xylene	ND		0.0047	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Styrene	ND		0.0047	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Tetrachloroethene	ND		0.0047	0.00047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Toluene	ND		0.0047	0.00057	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
trans-1,2-Dichloroethene	ND		0.0047	0.00047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
trans-1,3-Dichloropropene	ND		0.0047	0.00047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Trichloroethene	ND		0.0047	0.00047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Client Sample ID: SB-50913211530
Date Collected: 09/13/21 15:30
Date Received: 09/14/21 18:08

Lab Sample ID: 410-54992-5
Matrix: Soil
Percent Solids: 87.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0047	0.00066	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Vinyl chloride	ND		0.0047	0.00057	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Xylenes, Total	ND		0.0094	0.0013	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
di-Isopropyl ether	ND		0.0047	0.00047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Ethyl t-butyl ether	ND		0.0047	0.00047	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
Naphthalene	ND		0.0047	0.0019	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
t-Amyl methyl ether	ND		0.0047	0.00075	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1
t-Butyl alcohol	ND	*+	0.094	0.014	mg/Kg	☼	09/20/21 10:12	09/21/21 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*54 - 135*	*09/20/21 10:12*	*09/21/21 16:01*	*1*
4-Bromofluorobenzene (Surr)	*93*		*50 - 131*	*09/20/21 10:12*	*09/21/21 16:01*	*1*
Dibromofluoromethane (Surr)	*103*		*50 - 141*	*09/20/21 10:12*	*09/21/21 16:01*	*1*
Toluene-d8 (Surr)	*95*		*52 - 141*	*09/20/21 10:12*	*09/21/21 16:01*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		1.3	0.23	mg/Kg	☼	09/21/21 20:01	09/22/21 19:49	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*121*		*50 - 142*	*09/21/21 20:01*	*09/22/21 19:49*	*25*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28) (1C)	ND		14	5.6	mg/Kg	☼	09/21/21 09:10	09/21/21 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr) (1C)	*100*		*42 - 143*	*09/21/21 09:10*	*09/21/21 23:18*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.4**		1.0	1.0	%			09/20/21 09:35	1

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Client Sample ID: SB-60913211600
Date Collected: 09/13/21 16:00
Date Received: 09/14/21 18:08

Lab Sample ID: 410-54992-6
Matrix: Soil
Percent Solids: 93.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0048	0.00058	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
1,1,2,2-Tetrachloroethane	ND		0.0048	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
1,1,2-Trichloroethane	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
1,1-Dichloroethane	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
1,1-Dichloroethene	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
1,2,3-Trichlorobenzene	ND		0.0096	0.0048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
1,2,4-Trichlorobenzene	ND		0.0096	0.0048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
1,2-Dibromo-3-Chloropropane	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
1,2-Dibromoethane	ND		0.0048	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
1,2-Dichlorobenzene	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
1,2-Dichloroethane	ND		0.0048	0.00058	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
1,2-Dichloropropane	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
1,3-Dichlorobenzene	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
1,4-Dichlorobenzene	ND		0.0048	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
2-Butanone	ND		0.0096	0.0019	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
2-Hexanone	ND		0.0096	0.00096	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
4-Methyl-2-pentanone	ND		0.0096	0.00096	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Acetone	**0.013**	**J**	0.019	0.0058	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Benzene	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Bromochloromethane	ND		0.0048	0.00058	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Bromodichloromethane	ND		0.0048	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Bromoform	ND		0.0096	0.0048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Bromomethane	ND		0.0048	0.00067	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Carbon disulfide	ND		0.0048	0.00058	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Carbon tetrachloride	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Chlorobenzene	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Chloroethane	ND		0.0048	0.00096	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Chloroform	ND		0.0048	0.00058	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Chloromethane	ND		0.0048	0.00058	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
cis-1,2-Dichloroethene	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
cis-1,3-Dichloropropene	ND		0.0048	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Cyclohexane	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Dibromochloromethane	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Dichlorodifluoromethane	ND		0.0048	0.00058	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Ethylbenzene	ND		0.0048	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Freon 113	ND		0.0096	0.00058	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Isopropylbenzene	ND		0.0048	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
m&p-Xylene	ND		0.0048	0.00096	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Methyl acetate	ND		0.0048	0.00096	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Methyl tertiary butyl ether	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Methylcyclohexane	ND		0.0048	0.00058	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Methylene Chloride	ND		0.0048	0.0019	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
o-Xylene	ND		0.0048	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Styrene	ND		0.0048	0.00038	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Tetrachloroethene	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Toluene	ND		0.0048	0.00058	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
trans-1,2-Dichloroethene	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
trans-1,3-Dichloropropene	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Trichloroethene	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Client Sample ID: SB-60913211600
Date Collected: 09/13/21 16:00
Date Received: 09/14/21 18:08

Lab Sample ID: 410-54992-6
Matrix: Soil
Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0048	0.00067	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Vinyl chloride	ND		0.0048	0.00058	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Xylenes, Total	ND		0.0096	0.0013	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
di-Isopropyl ether	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Ethyl t-butyl ether	ND		0.0048	0.00048	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
Naphthalene	ND		0.0048	0.0019	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
t-Amyl methyl ether	ND		0.0048	0.00077	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1
t-Butyl alcohol	ND	*+	0.096	0.014	mg/Kg	☼	09/20/21 10:12	09/21/21 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*54 - 135*	*09/20/21 10:12*	*09/21/21 16:24*	*1*
4-Bromofluorobenzene (Surr)	*93*		*50 - 131*	*09/20/21 10:12*	*09/21/21 16:24*	*1*
Dibromofluoromethane (Surr)	*105*		*50 - 141*	*09/20/21 10:12*	*09/21/21 16:24*	*1*
Toluene-d8 (Surr)	*95*		*52 - 141*	*09/20/21 10:12*	*09/21/21 16:24*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		1.2	0.21	mg/Kg	☼	09/21/21 20:01	09/22/21 20:28	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*105*		*50 - 142*	*09/21/21 20:01*	*09/22/21 20:28*	*25*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28) (1C)	ND		13	5.3	mg/Kg	☼	09/21/21 09:10	09/21/21 23:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr) (1C)	*97*		*42 - 143*	*09/21/21 09:10*	*09/21/21 23:40*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.0**		1.0	1.0	%			09/20/21 09:35	1

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Client Sample ID: SB-70913211305
Date Collected: 09/13/21 13:05
Date Received: 09/14/21 18:08

Lab Sample ID: 410-54992-7
Matrix: Soil
Percent Solids: 85.2

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.00096	0.00020	mg/Kg	☼	09/25/21 10:14	09/27/21 13:43	1
alpha-BHC (1C)	ND		0.00096	0.00020	mg/Kg	☼	09/25/21 10:14	09/27/21 13:43	1
alpha-Chlordane (1C)	ND		0.00096	0.00020	mg/Kg	☼	09/25/21 10:14	09/27/21 13:43	1
beta-BHC (1C)	ND		0.0012	0.00051	mg/Kg	☼	09/25/21 10:14	09/27/21 13:43	1
delta-BHC (1C)	ND		0.0012	0.00052	mg/Kg	☼	09/25/21 10:14	09/27/21 13:43	1
Dieldrin (1C)	ND		0.0020	0.00038	mg/Kg	☼	09/25/21 10:14	09/27/21 13:43	1
Endosulfan I (1C)	ND		0.00096	0.00026	mg/Kg	☼	09/25/21 10:14	09/27/21 13:43	1
Endosulfan II (1C)	ND		0.0027	0.0013	mg/Kg	☼	09/25/21 10:14	09/27/21 13:43	1
Endosulfan sulfate (1C)	ND		0.0020	0.00038	mg/Kg	☼	09/25/21 10:14	09/27/21 13:43	1
Endrin (1C)	ND		0.0020	0.00079	mg/Kg	☼	09/25/21 10:14	09/27/21 13:43	1
Endrin aldehyde (1C)	ND		0.0020	0.00038	mg/Kg	☼	09/25/21 10:14	09/27/21 13:43	1
Endrin ketone (1C)	ND		0.0023	0.00070	mg/Kg	☼	09/25/21 10:14	09/27/21 13:43	1
gamma-BHC (Lindane) (1C)	ND		0.00096	0.00024	mg/Kg	☼	09/25/21 10:14	09/27/21 13:43	1
gamma-Chlordane (2C)	ND		0.00096	0.00029	mg/Kg	☼	09/25/21 10:14	09/27/21 13:43	1
Heptachlor (1C)	ND		0.00096	0.00036	mg/Kg	☼	09/25/21 10:14	09/27/21 13:43	1
Heptachlor epoxide (1C)	ND		0.00096	0.00020	mg/Kg	☼	09/25/21 10:14	09/27/21 13:43	1
Methoxychlor (1C)	ND		0.0078	0.0021	mg/Kg	☼	09/25/21 10:14	09/27/21 13:43	1
Toxaphene (1C)	ND		0.038	0.016	mg/Kg	☼	09/25/21 10:14	09/27/21 13:43	1
p,p'-DDD (2C)	**0.00044**	**J**	0.0020	0.00038	mg/Kg	☼	09/25/21 10:14	09/27/21 13:43	1
p,p'-DDE (1C)	**0.0072**		0.0020	0.00038	mg/Kg	☼	09/25/21 10:14	09/27/21 13:43	1
p,p'-DDT (1C)	**0.0035**		0.0020	0.00092	mg/Kg	☼	09/25/21 10:14	09/27/21 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*103*		*46 - 152*	*09/25/21 10:14*	*09/27/21 13:43*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*105*		*46 - 152*	*09/25/21 10:14*	*09/27/21 13:43*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*61*		*19 - 136*	*09/25/21 10:14*	*09/27/21 13:43*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*58*		*19 - 136*	*09/25/21 10:14*	*09/27/21 13:43*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**33000**		110	48	mg/Kg	☼	09/28/21 09:13	09/28/21 19:02	10
Antimony	ND		0.22	0.14	mg/Kg	☼	09/28/21 09:13	09/28/21 19:00	2
Arsenic	**1.6**		0.44	0.15	mg/Kg	☼	09/28/21 09:13	09/28/21 19:00	2
Barium	**28**		0.44	0.20	mg/Kg	☼	09/28/21 09:13	09/28/21 22:44	2
Beryllium	**0.46**		0.11	0.026	mg/Kg	☼	09/28/21 09:13	09/28/21 19:00	2
Cadmium	ND		0.11	0.055	mg/Kg	☼	09/28/21 09:13	09/28/21 19:00	2
Calcium	**330**		44	16	mg/Kg	☼	09/28/21 09:13	09/28/21 19:00	2
Chromium	**10**		0.44	0.17	mg/Kg	☼	09/28/21 09:13	09/28/21 19:00	2
Cobalt	**45**		0.22	0.064	mg/Kg	☼	09/28/21 09:13	09/28/21 19:00	2
Copper	**3.3**		0.44	0.19	mg/Kg	☼	09/28/21 09:13	09/28/21 19:00	2
Iron	**6900**		22	8.2	mg/Kg	☼	09/28/21 09:13	09/28/21 19:00	2
Lead	**7.9**		0.22	0.055	mg/Kg	☼	09/28/21 09:13	09/28/21 19:00	2
Magnesium	**410**		11	3.4	mg/Kg	☼	09/28/21 09:13	09/28/21 19:00	2
Manganese	**170**		0.44	0.23	mg/Kg	☼	09/28/21 09:13	09/28/21 19:00	2
Nickel	**7.5**		0.44	0.18	mg/Kg	☼	09/28/21 09:13	09/28/21 19:00	2
Potassium	**450**		44	21	mg/Kg	☼	09/28/21 09:13	09/28/21 19:00	2
Selenium	ND		0.44	0.14	mg/Kg	☼	09/28/21 09:13	09/28/21 19:00	2
Silver	ND		0.11	0.045	mg/Kg	☼	09/28/21 09:13	09/28/21 19:00	2
Sodium	ND		55	29	mg/Kg	☼	09/28/21 09:13	09/28/21 19:00	2
Thallium	**0.064**	**J**	0.11	0.043	mg/Kg	☼	09/28/21 09:13	09/28/21 19:00	2

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Client Sample ID: SB-70913211305
Date Collected: 09/13/21 13:05
Date Received: 09/14/21 18:08

Lab Sample ID: 410-54992-7
Matrix: Soil
Percent Solids: 85.2

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	17	J	33	1.2	mg/Kg	☼	09/28/21 09:13	09/28/21 19:00	2
Vanadium	21		0.88	0.094	mg/Kg	☼	09/28/21 09:13	09/28/21 19:00	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.067	0.028	mg/Kg	☼	09/28/21 09:03	09/28/21 12:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14.8		1.0	1.0	%			09/22/21 09:00	1

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Client Sample ID: SB-80913210940
Date Collected: 09/13/21 09:40
Date Received: 09/14/21 18:08

Lab Sample ID: 410-54992-8
Matrix: Soil
Percent Solids: 89.2

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.00092	0.00019	mg/Kg	☼	09/25/21 10:14	09/27/21 13:55	1
alpha-BHC (1C)	ND		0.00092	0.00019	mg/Kg	☼	09/25/21 10:14	09/27/21 13:55	1
alpha-Chlordane (1C)	ND		0.00092	0.00019	mg/Kg	☼	09/25/21 10:14	09/27/21 13:55	1
beta-BHC (1C)	ND		0.0011	0.00049	mg/Kg	☼	09/25/21 10:14	09/27/21 13:55	1
delta-BHC (1C)	ND		0.0011	0.00050	mg/Kg	☼	09/25/21 10:14	09/27/21 13:55	1
Dieldrin (1C)	ND		0.0019	0.00037	mg/Kg	☼	09/25/21 10:14	09/27/21 13:55	1
Endosulfan I (1C)	ND		0.00092	0.00025	mg/Kg	☼	09/25/21 10:14	09/27/21 13:55	1
Endosulfan II (1C)	ND		0.0026	0.0012	mg/Kg	☼	09/25/21 10:14	09/27/21 13:55	1
Endosulfan sulfate (1C)	ND		0.0019	0.00037	mg/Kg	☼	09/25/21 10:14	09/27/21 13:55	1
Endrin (1C)	ND		0.0019	0.00076	mg/Kg	☼	09/25/21 10:14	09/27/21 13:55	1
Endrin aldehyde (1C)	ND		0.0019	0.00037	mg/Kg	☼	09/25/21 10:14	09/27/21 13:55	1
Endrin ketone (1C)	ND		0.0022	0.00067	mg/Kg	☼	09/25/21 10:14	09/27/21 13:55	1
gamma-BHC (Lindane) (1C)	ND		0.00092	0.00023	mg/Kg	☼	09/25/21 10:14	09/27/21 13:55	1
gamma-Chlordane (1C)	ND		0.00092	0.00028	mg/Kg	☼	09/25/21 10:14	09/27/21 13:55	1
Heptachlor (1C)	ND		0.00092	0.00035	mg/Kg	☼	09/25/21 10:14	09/27/21 13:55	1
Heptachlor epoxide (1C)	ND		0.00092	0.00019	mg/Kg	☼	09/25/21 10:14	09/27/21 13:55	1
Methoxychlor (1C)	ND		0.0075	0.0020	mg/Kg	☼	09/25/21 10:14	09/27/21 13:55	1
Toxaphene (1C)	ND		0.037	0.016	mg/Kg	☼	09/25/21 10:14	09/27/21 13:55	1
p,p'-DDD (1C)	ND		0.0019	0.00037	mg/Kg	☼	09/25/21 10:14	09/27/21 13:55	1
p,p'-DDE (1C)	ND		0.0019	0.00037	mg/Kg	☼	09/25/21 10:14	09/27/21 13:55	1
p,p'-DDT (1C)	ND		0.0019	0.00088	mg/Kg	☼	09/25/21 10:14	09/27/21 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*95*		*46 - 152*	*09/25/21 10:14*	*09/27/21 13:55*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*98*		*46 - 152*	*09/25/21 10:14*	*09/27/21 13:55*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*72*		*19 - 136*	*09/25/21 10:14*	*09/27/21 13:55*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*67*		*19 - 136*	*09/25/21 10:14*	*09/27/21 13:55*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**30000**		110	47	mg/Kg	☼	09/28/21 09:13	09/28/21 19:14	10
Antimony	ND		0.22	0.14	mg/Kg	☼	09/28/21 09:13	09/28/21 19:12	2
Arsenic	**0.70**		0.43	0.14	mg/Kg	☼	09/28/21 09:13	09/28/21 19:12	2
Barium	**18**		0.43	0.20	mg/Kg	☼	09/28/21 09:13	09/28/21 22:56	2
Beryllium	**0.28**		0.11	0.026	mg/Kg	☼	09/28/21 09:13	09/28/21 19:12	2
Cadmium	ND		0.11	0.054	mg/Kg	☼	09/28/21 09:13	09/28/21 19:12	2
Calcium	**230**		43	16	mg/Kg	☼	09/28/21 09:13	09/28/21 19:12	2
Chromium	**12**		0.43	0.17	mg/Kg	☼	09/28/21 09:13	09/28/21 19:12	2
Cobalt	**1.9**		0.22	0.063	mg/Kg	☼	09/28/21 09:13	09/28/21 19:12	2
Copper	**4.1**		0.43	0.19	mg/Kg	☼	09/28/21 09:13	09/28/21 19:12	2
Iron	**3600**		22	8.1	mg/Kg	☼	09/28/21 09:13	09/28/21 19:12	2
Lead	**5.2**		0.22	0.054	mg/Kg	☼	09/28/21 09:13	09/28/21 19:12	2
Magnesium	**390**		11	3.4	mg/Kg	☼	09/28/21 09:13	09/28/21 19:12	2
Manganese	**13**		0.43	0.23	mg/Kg	☼	09/28/21 09:13	09/28/21 19:12	2
Nickel	**6.6**		0.43	0.18	mg/Kg	☼	09/28/21 09:13	09/28/21 19:12	2
Potassium	**520**		43	21	mg/Kg	☼	09/28/21 09:13	09/28/21 19:12	2
Selenium	ND		0.43	0.14	mg/Kg	☼	09/28/21 09:13	09/28/21 19:12	2
Silver	ND		0.11	0.044	mg/Kg	☼	09/28/21 09:13	09/28/21 19:12	2
Sodium	ND		54	29	mg/Kg	☼	09/28/21 09:13	09/28/21 19:12	2
Thallium	**0.063**	**J**	0.11	0.042	mg/Kg	☼	09/28/21 09:13	09/28/21 19:12	2

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Client Sample ID: SB-80913210940
Date Collected: 09/13/21 09:40
Date Received: 09/14/21 18:08

Lab Sample ID: 410-54992-8
Matrix: Soil
Percent Solids: 89.2

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	14	J	32	1.2	mg/Kg	☼	09/28/21 09:13	09/28/21 19:12	2
Vanadium	17		0.86	0.093	mg/Kg	☼	09/28/21 09:13	09/28/21 19:12	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.064	0.027	mg/Kg	☼	09/28/21 09:03	09/28/21 12:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10.8		1.0	1.0	%			09/22/21 09:00	1

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Client Sample ID: SB-90913211035
Date Collected: 09/13/21 10:35
Date Received: 09/14/21 18:08

Lab Sample ID: 410-54992-9
Matrix: Soil
Percent Solids: 88.3

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.00093	0.00019	mg/Kg	☼	09/25/21 10:14	09/27/21 14:08	1
alpha-BHC (1C)	ND		0.00093	0.00019	mg/Kg	☼	09/25/21 10:14	09/27/21 14:08	1
alpha-Chlordane (1C)	ND		0.00093	0.00019	mg/Kg	☼	09/25/21 10:14	09/27/21 14:08	1
beta-BHC (1C)	ND		0.0011	0.00050	mg/Kg	☼	09/25/21 10:14	09/27/21 14:08	1
delta-BHC (1C)	ND		0.0011	0.00051	mg/Kg	☼	09/25/21 10:14	09/27/21 14:08	1
Dieldrin (1C)	ND		0.0019	0.00037	mg/Kg	☼	09/25/21 10:14	09/27/21 14:08	1
Endosulfan I (1C)	ND		0.00093	0.00025	mg/Kg	☼	09/25/21 10:14	09/27/21 14:08	1
Endosulfan II (1C)	ND		0.0026	0.0012	mg/Kg	☼	09/25/21 10:14	09/27/21 14:08	1
Endosulfan sulfate (1C)	ND		0.0019	0.00037	mg/Kg	☼	09/25/21 10:14	09/27/21 14:08	1
Endrin (1C)	ND		0.0019	0.00077	mg/Kg	☼	09/25/21 10:14	09/27/21 14:08	1
Endrin aldehyde (1C)	ND		0.0019	0.00037	mg/Kg	☼	09/25/21 10:14	09/27/21 14:08	1
Endrin ketone (1C)	ND		0.0023	0.00068	mg/Kg	☼	09/25/21 10:14	09/27/21 14:08	1
gamma-BHC (Lindane) (1C)	ND		0.00093	0.00024	mg/Kg	☼	09/25/21 10:14	09/27/21 14:08	1
gamma-Chlordane (1C)	ND		0.00093	0.00028	mg/Kg	☼	09/25/21 10:14	09/27/21 14:08	1
Heptachlor (1C)	ND		0.00093	0.00035	mg/Kg	☼	09/25/21 10:14	09/27/21 14:08	1
Heptachlor epoxide (1C)	ND		0.00093	0.00019	mg/Kg	☼	09/25/21 10:14	09/27/21 14:08	1
Methoxychlor (1C)	ND		0.0075	0.0020	mg/Kg	☼	09/25/21 10:14	09/27/21 14:08	1
Toxaphene (1C)	ND		0.037	0.016	mg/Kg	☼	09/25/21 10:14	09/27/21 14:08	1
p,p'-DDD (2C)	**0.00075**	**J**	0.0019	0.00037	mg/Kg	☼	09/25/21 10:14	09/27/21 14:08	1
p,p'-DDE (1C)	ND		0.0019	0.00037	mg/Kg	☼	09/25/21 10:14	09/27/21 14:08	1
p,p'-DDT (1C)	ND		0.0019	0.00089	mg/Kg	☼	09/25/21 10:14	09/27/21 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*98*		*46 - 152*	*09/25/21 10:14*	*09/27/21 14:08*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*99*		*46 - 152*	*09/25/21 10:14*	*09/27/21 14:08*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*66*		*19 - 136*	*09/25/21 10:14*	*09/27/21 14:08*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*67*		*19 - 136*	*09/25/21 10:14*	*09/27/21 14:08*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**15000**		19	8.5	mg/Kg	☼	09/28/21 09:13	09/28/21 19:20	2
Antimony	ND		0.19	0.12	mg/Kg	☼	09/28/21 09:13	09/28/21 19:20	2
Arsenic	**0.99**		0.39	0.13	mg/Kg	☼	09/28/21 09:13	09/28/21 19:20	2
Barium	**14**		0.39	0.18	mg/Kg	☼	09/28/21 09:13	09/28/21 23:04	2
Beryllium	**0.25**		0.097	0.023	mg/Kg	☼	09/28/21 09:13	09/28/21 19:20	2
Cadmium	ND		0.097	0.049	mg/Kg	☼	09/28/21 09:13	09/28/21 19:20	2
Calcium	**130**		39	15	mg/Kg	☼	09/28/21 09:13	09/28/21 19:20	2
Chromium	**6.8**		0.39	0.15	mg/Kg	☼	09/28/21 09:13	09/28/21 19:20	2
Cobalt	**1.2**		0.19	0.057	mg/Kg	☼	09/28/21 09:13	09/28/21 19:20	2
Copper	**2.4**		0.39	0.17	mg/Kg	☼	09/28/21 09:13	09/28/21 19:20	2
Iron	**4600**		19	7.3	mg/Kg	☼	09/28/21 09:13	09/28/21 19:20	2
Lead	**4.1**		0.19	0.049	mg/Kg	☼	09/28/21 09:13	09/28/21 19:20	2
Magnesium	**280**		9.7	3.0	mg/Kg	☼	09/28/21 09:13	09/28/21 19:20	2
Manganese	**11**		0.39	0.21	mg/Kg	☼	09/28/21 09:13	09/28/21 19:20	2
Nickel	**4.0**		0.39	0.16	mg/Kg	☼	09/28/21 09:13	09/28/21 19:20	2
Potassium	**370**		39	18	mg/Kg	☼	09/28/21 09:13	09/28/21 19:20	2
Selenium	ND		0.39	0.13	mg/Kg	☼	09/28/21 09:13	09/28/21 19:20	2
Silver	ND		0.097	0.039	mg/Kg	☼	09/28/21 09:13	09/28/21 19:20	2
Sodium	ND		48	26	mg/Kg	☼	09/28/21 09:13	09/28/21 19:20	2
Thallium	ND		0.097	0.038	mg/Kg	☼	09/28/21 09:13	09/28/21 19:20	2

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Client Sample ID: SB-90913211035
Date Collected: 09/13/21 10:35
Date Received: 09/14/21 18:08

Lab Sample ID: 410-54992-9
Matrix: Soil
Percent Solids: 88.3

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	9.4	J	29	1.0	mg/Kg	☼	09/28/21 09:13	09/28/21 19:20	2
Vanadium	11		0.77	0.083	mg/Kg	☼	09/28/21 09:13	09/28/21 19:20	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.068	0.028	mg/Kg	☼	09/28/21 09:03	09/28/21 12:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11.7		1.0	1.0	%			09/22/21 09:00	1

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Client Sample ID: SB-100913211150
Date Collected: 09/13/21 11:50
Date Received: 09/14/21 18:08

Lab Sample ID: 410-54992-10
Matrix: Soil
Percent Solids: 94.2

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.00088	0.00018	mg/Kg	☼	09/25/21 10:14	09/27/21 14:20	1
alpha-BHC (1C)	ND		0.00088	0.00018	mg/Kg	☼	09/25/21 10:14	09/27/21 14:20	1
alpha-Chlordane (1C)	ND		0.00088	0.00018	mg/Kg	☼	09/25/21 10:14	09/27/21 14:20	1
beta-BHC (1C)	ND		0.0011	0.00047	mg/Kg	☼	09/25/21 10:14	09/27/21 14:20	1
delta-BHC (1C)	ND		0.0011	0.00048	mg/Kg	☼	09/25/21 10:14	09/27/21 14:20	1
Dieldrin (1C)	ND		0.0018	0.00035	mg/Kg	☼	09/25/21 10:14	09/27/21 14:20	1
Endosulfan I (1C)	ND		0.00088	0.00023	mg/Kg	☼	09/25/21 10:14	09/27/21 14:20	1
Endosulfan II (1C)	ND		0.0024	0.0012	mg/Kg	☼	09/25/21 10:14	09/27/21 14:20	1
Endosulfan sulfate (1C)	ND		0.0018	0.00035	mg/Kg	☼	09/25/21 10:14	09/27/21 14:20	1
Endrin (1C)	ND		0.0018	0.00072	mg/Kg	☼	09/25/21 10:14	09/27/21 14:20	1
Endrin aldehyde (1C)	ND		0.0018	0.00035	mg/Kg	☼	09/25/21 10:14	09/27/21 14:20	1
Endrin ketone (1C)	ND		0.0021	0.00064	mg/Kg	☼	09/25/21 10:14	09/27/21 14:20	1
gamma-BHC (Lindane) (1C)	ND		0.00088	0.00022	mg/Kg	☼	09/25/21 10:14	09/27/21 14:20	1
gamma-Chlordane (1C)	ND		0.00088	0.00026	mg/Kg	☼	09/25/21 10:14	09/27/21 14:20	1
Heptachlor (1C)	ND		0.00088	0.00033	mg/Kg	☼	09/25/21 10:14	09/27/21 14:20	1
Heptachlor epoxide (1C)	ND		0.00088	0.00018	mg/Kg	☼	09/25/21 10:14	09/27/21 14:20	1
Methoxychlor (1C)	ND		0.0071	0.0019	mg/Kg	☼	09/25/21 10:14	09/27/21 14:20	1
Toxaphene (1C)	ND		0.035	0.015	mg/Kg	☼	09/25/21 10:14	09/27/21 14:20	1
p,p'-DDD (1C)	ND		0.0018	0.00035	mg/Kg	☼	09/25/21 10:14	09/27/21 14:20	1
p,p'-DDE (1C)	ND		0.0018	0.00035	mg/Kg	☼	09/25/21 10:14	09/27/21 14:20	1
p,p'-DDT (1C)	ND		0.0018	0.00084	mg/Kg	☼	09/25/21 10:14	09/27/21 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*98*		*46 - 152*	*09/25/21 10:14*	*09/27/21 14:20*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*98*		*46 - 152*	*09/25/21 10:14*	*09/27/21 14:20*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*61*		*19 - 136*	*09/25/21 10:14*	*09/27/21 14:20*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*65*		*19 - 136*	*09/25/21 10:14*	*09/27/21 14:20*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4200**		21	9.2	mg/Kg	☼	09/28/21 09:13	09/28/21 19:24	2
Antimony	ND		0.21	0.13	mg/Kg	☼	09/28/21 09:13	09/28/21 19:24	2
Arsenic	**0.17**	**J**	0.42	0.14	mg/Kg	☼	09/28/21 09:13	09/28/21 19:24	2
Barium	**4.9**		0.42	0.19	mg/Kg	☼	09/28/21 09:13	09/28/21 23:09	2
Beryllium	**0.058**	**J**	0.11	0.025	mg/Kg	☼	09/28/21 09:13	09/28/21 19:24	2
Cadmium	ND		0.11	0.053	mg/Kg	☼	09/28/21 09:13	09/28/21 19:24	2
Calcium	**38**	**J**	42	16	mg/Kg	☼	09/28/21 09:13	09/28/21 19:24	2
Chromium	**3.2**		0.42	0.16	mg/Kg	☼	09/28/21 09:13	09/28/21 19:24	2
Cobalt	**0.35**		0.21	0.061	mg/Kg	☼	09/28/21 09:13	09/28/21 19:24	2
Copper	**0.69**		0.42	0.18	mg/Kg	☼	09/28/21 09:13	09/28/21 19:24	2
Iron	**630**		21	7.9	mg/Kg	☼	09/28/21 09:13	09/28/21 19:24	2
Lead	**1.9**		0.21	0.053	mg/Kg	☼	09/28/21 09:13	09/28/21 19:24	2
Magnesium	**73**		11	3.3	mg/Kg	☼	09/28/21 09:13	09/28/21 19:24	2
Manganese	**8.7**		0.42	0.22	mg/Kg	☼	09/28/21 09:13	09/28/21 19:24	2
Nickel	**1.4**		0.42	0.17	mg/Kg	☼	09/28/21 09:13	09/28/21 19:24	2
Potassium	**170**		42	20	mg/Kg	☼	09/28/21 09:13	09/28/21 19:24	2
Selenium	ND		0.42	0.14	mg/Kg	☼	09/28/21 09:13	09/28/21 19:24	2
Silver	ND		0.11	0.043	mg/Kg	☼	09/28/21 09:13	09/28/21 19:24	2
Sodium	ND		53	28	mg/Kg	☼	09/28/21 09:13	09/28/21 19:24	2
Thallium	ND		0.11	0.041	mg/Kg	☼	09/28/21 09:13	09/28/21 19:24	2

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Client Sample ID: SB-100913211150
Date Collected: 09/13/21 11:50
Date Received: 09/14/21 18:08

Lab Sample ID: 410-54992-10
Matrix: Soil
Percent Solids: 94.2

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	2.5	J	32	1.1	mg/Kg	☼	09/28/21 09:13	09/28/21 19:24	2
Vanadium	3.3		0.84	0.090	mg/Kg	☼	09/28/21 09:13	09/28/21 19:24	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.064	0.027	mg/Kg	☼	09/28/21 09:03	09/28/21 12:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.8		1.0	1.0	%			09/22/21 09:00	1

Surrogate Summary

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Soil — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(54-135)	(50-131)	(50-141)	(52-141)
410-54992-1	SB-10913211415	112	93	104	95
410-54992-2	SB-20913211345	110	93	103	95
410-54992-3	SB-30913211445	111	92	105	95
410-54992-4	SB-40913211455	111	94	104	95
410-54992-5	SB-50913211530	109	93	103	95
410-54992-6	SB-60913211600	114	93	105	95

Surrogate Legend

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

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(54-135)	(50-131)	(50-141)	(52-141)
LCS 410-173576/4	Lab Control Sample	105	95	102	97
LCSD 410-173576/5	Lab Control Sample Dup	105	95	102	98
MB 410-173576/7	Method Blank	103	94	103	96

Surrogate Legend

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

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Matrix: Soil — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		TFT-F1
Lab Sample ID	Client Sample ID	(50-142)
410-54992-1	SB-10913211415	114
410-54992-2	SB-20913211345	117
410-54992-3	SB-30913211445	114
410-54992-4	SB-40913211455	115
410-54992-5	SB-50913211530	121
410-54992-6	SB-60913211600	105

Surrogate Legend

TFT-F = a,a,a-Trifluorotoluene (fid)

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

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

		Percent Surrogate Recovery (Acceptance Limits)
		TFT-F1
Lab Sample ID	Client Sample ID	(50-142)
LCS 410-174141/5	Lab Control Sample	104

Client: Environmental Alliance, Inc.
Job ID: 410-54992-1
Project/Site: 5227 / Cordova Road, MD

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics) (Continued)

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) TFT-F1 (50-142)
LCSD 410-174141/6	Lab Control Sample Dup	106
MB 410-174141/4	Method Blank	94

Surrogate Legend

TFT-F = a,a,a-Trifluorotoluene (fid)

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) OTP1 (42-143)
410-54992-1	SB-10913211415	110
410-54992-2	SB-20913211345	100
410-54992-2 MS	SB-20913211345	99
410-54992-2 MSD	SB-20913211345	103
410-54992-3	SB-30913211445	99
410-54992-4	SB-40913211455	106
410-54992-5	SB-50913211530	100
410-54992-6	SB-60913211600	97

Surrogate Legend

OTP = o- terphenyl (Surr)

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) OTP1 (42-143)
LCS 410-173493/2-A	Lab Control Sample	102
MB 410-173493/1-A	Method Blank	104

Surrogate Legend

OTP = o- terphenyl (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) DCB1 (46-152)	DCB2 (46-152)	TCX1 (19-136)	TCX2 (19-136)
410-54992-7	SB-70913211305	103	105	61	58
410-54992-8	SB-80913210940	95	98	72	67
410-54992-9	SB-90913211035	98	99	66	67
410-54992-10	SB-100913211150	98	98	61	65

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene (Surr)

Surrogate Summary

Client: Environmental Alliance, Inc.
Job ID: 410-54992-1
Project/Site: 5227 / Cordova Road, MD

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		DCB1	DCB2	TCX1	TCX2				
Lab Sample ID	Client Sample ID	(46-152)	(46-152)	(19-136)	(19-136)				
LCS 410-175356/2-A	Lab Control Sample	98	103	38	39				
MB 410-175356/1-A	Method Blank	104	106	34	34				

Surrogate Legend

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

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-173576/7
Matrix: Solid
Analysis Batch: 173576

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0050	0.00060	mg/Kg			09/21/21 12:20	1
1,1,2,2-Tetrachloroethane	ND		0.0050	0.00040	mg/Kg			09/21/21 12:20	1
1,1,2-Trichloroethane	ND		0.0050	0.00050	mg/Kg			09/21/21 12:20	1
1,1-Dichloroethane	ND		0.0050	0.00050	mg/Kg			09/21/21 12:20	1
1,1-Dichloroethene	ND		0.0050	0.00050	mg/Kg			09/21/21 12:20	1
1,2,3-Trichlorobenzene	ND		0.010	0.0050	mg/Kg			09/21/21 12:20	1
1,2,4-Trichlorobenzene	ND		0.010	0.0050	mg/Kg			09/21/21 12:20	1
1,2-Dibromo-3-Chloropropane	ND		0.0050	0.00050	mg/Kg			09/21/21 12:20	1
1,2-Dibromoethane	ND		0.0050	0.00040	mg/Kg			09/21/21 12:20	1
1,2-Dichlorobenzene	ND		0.0050	0.00050	mg/Kg			09/21/21 12:20	1
1,2-Dichloroethane	ND		0.0050	0.00060	mg/Kg			09/21/21 12:20	1
1,2-Dichloropropane	ND		0.0050	0.00050	mg/Kg			09/21/21 12:20	1
1,3-Dichlorobenzene	ND		0.0050	0.00050	mg/Kg			09/21/21 12:20	1
1,4-Dichlorobenzene	ND		0.0050	0.00040	mg/Kg			09/21/21 12:20	1
2-Butanone	ND		0.010	0.0020	mg/Kg			09/21/21 12:20	1
2-Hexanone	ND		0.010	0.0010	mg/Kg			09/21/21 12:20	1
4-Methyl-2-pentanone	ND		0.010	0.0010	mg/Kg			09/21/21 12:20	1
Acetone	ND		0.020	0.0060	mg/Kg			09/21/21 12:20	1
Benzene	ND		0.0050	0.00050	mg/Kg			09/21/21 12:20	1
Bromochloromethane	ND		0.0050	0.00060	mg/Kg			09/21/21 12:20	1
Bromodichloromethane	ND		0.0050	0.00040	mg/Kg			09/21/21 12:20	1
Bromoform	ND		0.010	0.0050	mg/Kg			09/21/21 12:20	1
Bromomethane	ND		0.0050	0.00070	mg/Kg			09/21/21 12:20	1
Carbon disulfide	ND		0.0050	0.00060	mg/Kg			09/21/21 12:20	1
Carbon tetrachloride	ND		0.0050	0.00050	mg/Kg			09/21/21 12:20	1
Chlorobenzene	ND		0.0050	0.00050	mg/Kg			09/21/21 12:20	1
Chloroethane	ND		0.0050	0.0010	mg/Kg			09/21/21 12:20	1
Chloroform	ND		0.0050	0.00060	mg/Kg			09/21/21 12:20	1
Chloromethane	ND		0.0050	0.00060	mg/Kg			09/21/21 12:20	1
cis-1,2-Dichloroethene	ND		0.0050	0.00050	mg/Kg			09/21/21 12:20	1
cis-1,3-Dichloropropene	ND		0.0050	0.00040	mg/Kg			09/21/21 12:20	1
Cyclohexane	ND		0.0050	0.00050	mg/Kg			09/21/21 12:20	1
Dibromochloromethane	ND		0.0050	0.00050	mg/Kg			09/21/21 12:20	1
Dichlorodifluoromethane	ND		0.0050	0.00060	mg/Kg			09/21/21 12:20	1
Ethylbenzene	ND		0.0050	0.00040	mg/Kg			09/21/21 12:20	1
Freon 113	ND		0.010	0.00060	mg/Kg			09/21/21 12:20	1
Isopropylbenzene	ND		0.0050	0.00040	mg/Kg			09/21/21 12:20	1
m&p-Xylene	ND		0.0050	0.0010	mg/Kg			09/21/21 12:20	1
Methyl acetate	ND		0.0050	0.0010	mg/Kg			09/21/21 12:20	1
Methyl tertiary butyl ether	ND		0.0050	0.00050	mg/Kg			09/21/21 12:20	1
Methylcyclohexane	ND		0.0050	0.00060	mg/Kg			09/21/21 12:20	1
Methylene Chloride	ND		0.0050	0.0020	mg/Kg			09/21/21 12:20	1
o-Xylene	ND		0.0050	0.00040	mg/Kg			09/21/21 12:20	1
Styrene	ND		0.0050	0.00040	mg/Kg			09/21/21 12:20	1
Tetrachloroethene	ND		0.0050	0.00050	mg/Kg			09/21/21 12:20	1
Toluene	ND		0.0050	0.00060	mg/Kg			09/21/21 12:20	1
trans-1,2-Dichloroethene	ND		0.0050	0.00050	mg/Kg			09/21/21 12:20	1
trans-1,3-Dichloropropene	ND		0.0050	0.00050	mg/Kg			09/21/21 12:20	1

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

Lab Sample ID: MB 410-173576/7
Matrix: Solid
Analysis Batch: 173576

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		0.0050	0.00050	mg/Kg			09/21/21 12:20	1
Trichlorofluoromethane	ND		0.0050	0.00070	mg/Kg			09/21/21 12:20	1
Vinyl chloride	ND		0.0050	0.00060	mg/Kg			09/21/21 12:20	1
Xylenes, Total	ND		0.010	0.0014	mg/Kg			09/21/21 12:20	1
di-Isopropyl ether	ND		0.0050	0.00050	mg/Kg			09/21/21 12:20	1
Ethyl t-butyl ether	ND		0.0050	0.00050	mg/Kg			09/21/21 12:20	1
Naphthalene	ND		0.0050	0.0020	mg/Kg			09/21/21 12:20	1
t-Amyl methyl ether	ND		0.0050	0.00080	mg/Kg			09/21/21 12:20	1
t-Butyl alcohol	ND		0.10	0.015	mg/Kg			09/21/21 12:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*54 - 135*		*09/21/21 12:20*	*1*
4-Bromofluorobenzene (Surr)	*94*		*50 - 131*		*09/21/21 12:20*	*1*
Dibromofluoromethane (Surr)	*103*		*50 - 141*		*09/21/21 12:20*	*1*
Toluene-d8 (Surr)	*96*		*52 - 141*		*09/21/21 12:20*	*1*

Lab Sample ID: LCS 410-173576/4
Matrix: Solid
Analysis Batch: 173576

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0186		mg/Kg		93	69 - 123
1,1,2,2-Tetrachloroethane	0.0200	0.0184		mg/Kg		92	69 - 125
1,1,2-Trichloroethane	0.0200	0.0194		mg/Kg		97	80 - 120
1,1-Dichloroethane	0.0200	0.0186		mg/Kg		93	79 - 120
1,1-Dichloroethene	0.0200	0.0184		mg/Kg		92	73 - 129
1,2,3-Trichlorobenzene	0.0200	0.0215		mg/Kg		108	57 - 131
1,2,4-Trichlorobenzene	0.0200	0.0194		mg/Kg		97	56 - 130
1,2-Dibromo-3-Chloropropane	0.0200	0.0159		mg/Kg		80	48 - 134
1,2-Dibromoethane	0.0200	0.0192		mg/Kg		96	76 - 120
1,2-Dichlorobenzene	0.0200	0.0194		mg/Kg		97	76 - 120
1,2-Dichloroethane	0.0200	0.0200		mg/Kg		100	71 - 128
1,2-Dichloropropane	0.0200	0.0205		mg/Kg		103	80 - 120
1,3-Dichlorobenzene	0.0200	0.0194		mg/Kg		97	75 - 120
1,4-Dichlorobenzene	0.0200	0.0195		mg/Kg		97	80 - 120
2-Butanone	0.250	0.259		mg/Kg		103	57 - 128
2-Hexanone	0.250	0.269		mg/Kg		108	54 - 140
4-Methyl-2-pentanone	0.250	0.266		mg/Kg		107	67 - 128
Acetone	0.250	0.262		mg/Kg		105	41 - 150
Benzene	0.0200	0.0193		mg/Kg		96	80 - 120
Bromochloromethane	0.0200	0.0214		mg/Kg		107	72 - 124
Bromodichloromethane	0.0200	0.0203		mg/Kg		102	70 - 120
Bromoform	0.0200	0.0202		mg/Kg		101	51 - 127
Bromomethane	0.0200	0.0180		mg/Kg		90	45 - 140
Carbon disulfide	0.0200	0.0229		mg/Kg		114	64 - 133
Carbon tetrachloride	0.0200	0.0186		mg/Kg		93	64 - 134
Chlorobenzene	0.0200	0.0191		mg/Kg		96	80 - 120
Chloroethane	0.0200	0.0205		mg/Kg		103	43 - 135

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

Lab Sample ID: LCS 410-173576/4
Matrix: Solid
Analysis Batch: 173576

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	0.0200	0.0195		mg/Kg		98	80 - 120
Chloromethane	0.0200	0.0230		mg/Kg		115	56 - 120
cis-1,2-Dichloroethene	0.0200	0.0200		mg/Kg		100	80 - 125
cis-1,3-Dichloropropene	0.0200	0.0191		mg/Kg		95	66 - 120
Cyclohexane	0.0200	0.0206		mg/Kg		103	58 - 126
Dibromochloromethane	0.0200	0.0194		mg/Kg		97	69 - 125
Dichlorodifluoromethane	0.0200	0.0216		mg/Kg		108	21 - 127
Ethylbenzene	0.0200	0.0184		mg/Kg		92	78 - 120
Freon 113	0.0200	0.0224		mg/Kg		112	64 - 135
Isopropylbenzene	0.0200	0.0191		mg/Kg		95	77 - 120
m&p-Xylene	0.0400	0.0373		mg/Kg		93	80 - 120
Methyl acetate	0.0200	0.0212		mg/Kg		106	67 - 128
Methyl tertiary butyl ether	0.0200	0.0191		mg/Kg		95	72 - 120
Methylcyclohexane	0.0200	0.0209		mg/Kg		105	61 - 124
Methylene Chloride	0.0200	0.0200		mg/Kg		100	76 - 122
o-Xylene	0.0200	0.0185		mg/Kg		93	75 - 120
Styrene	0.0200	0.0194		mg/Kg		97	76 - 120
Tetrachloroethene	0.0200	0.0197		mg/Kg		98	73 - 120
Toluene	0.0200	0.0182		mg/Kg		91	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0181		mg/Kg		90	80 - 126
trans-1,3-Dichloropropene	0.0200	0.0195		mg/Kg		97	68 - 122
Trichloroethene	0.0200	0.0183		mg/Kg		91	80 - 120
Trichlorofluoromethane	0.0200	0.0198		mg/Kg		99	55 - 134
Vinyl chloride	0.0200	0.0208		mg/Kg		104	52 - 120
Xylenes, Total	0.0600	0.0558		mg/Kg		93	75 - 120
di-Isopropyl ether	0.0200	0.0215		mg/Kg		107	72 - 126
Ethyl t-butyl ether	0.0200	0.0200		mg/Kg		100	60 - 128
Naphthalene	0.0200	0.0183		mg/Kg		91	48 - 130
t-Amyl methyl ether	0.0200	0.0200		mg/Kg		100	45 - 146
t-Butyl alcohol	0.200	0.246	*+	mg/Kg		123	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*54 - 135*
4-Bromofluorobenzene (Surr)	*95*		*50 - 131*
Dibromofluoromethane (Surr)	*102*		*50 - 141*
Toluene-d8 (Surr)	*97*		*52 - 141*

Lab Sample ID: LCSD 410-173576/5
Matrix: Solid
Analysis Batch: 173576

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0184		mg/Kg		92	69 - 123	1	30
1,1,2,2-Tetrachloroethane	0.0200	0.0194		mg/Kg		97	69 - 125	5	30
1,1,2-Trichloroethane	0.0200	0.0203		mg/Kg		101	80 - 120	4	30
1,1-Dichloroethane	0.0200	0.0187		mg/Kg		93	79 - 120	0	30
1,1-Dichloroethene	0.0200	0.0180		mg/Kg		90	73 - 129	2	30
1,2,3-Trichlorobenzene	0.0200	0.0206		mg/Kg		103	57 - 131	4	30

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

Lab Sample ID: LCSD 410-173576/5
Matrix: Solid
Analysis Batch: 173576

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	0.0200	0.0191		mg/Kg		95	56 - 130	2	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0175		mg/Kg		88	48 - 134	9	30
1,2-Dibromoethane	0.0200	0.0200		mg/Kg		100	76 - 120	4	30
1,2-Dichlorobenzene	0.0200	0.0193		mg/Kg		97	76 - 120	0	30
1,2-Dichloroethane	0.0200	0.0198		mg/Kg		99	71 - 128	1	30
1,2-Dichloropropane	0.0200	0.0204		mg/Kg		102	80 - 120	1	30
1,3-Dichlorobenzene	0.0200	0.0193		mg/Kg		97	75 - 120	0	30
1,4-Dichlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120	0	30
2-Butanone	0.250	0.284		mg/Kg		114	57 - 128	9	30
2-Hexanone	0.250	0.292		mg/Kg		117	54 - 140	8	30
4-Methyl-2-pentanone	0.250	0.291		mg/Kg		116	67 - 128	9	30
Acetone	0.250	0.270		mg/Kg		108	41 - 150	3	30
Benzene	0.0200	0.0192		mg/Kg		96	80 - 120	0	30
Bromochloromethane	0.0200	0.0216		mg/Kg		108	72 - 124	1	30
Bromodichloromethane	0.0200	0.0202		mg/Kg		101	70 - 120	1	30
Bromoform	0.0200	0.0209		mg/Kg		105	51 - 127	3	30
Bromomethane	0.0200	0.0173		mg/Kg		87	45 - 140	4	30
Carbon disulfide	0.0200	0.0223		mg/Kg		112	64 - 133	2	30
Carbon tetrachloride	0.0200	0.0185		mg/Kg		92	64 - 134	1	30
Chlorobenzene	0.0200	0.0191		mg/Kg		96	80 - 120	0	30
Chloroethane	0.0200	0.0205		mg/Kg		102	43 - 135	0	30
Chloroform	0.0200	0.0196		mg/Kg		98	80 - 120	0	30
Chloromethane	0.0200	0.0229		mg/Kg		114	56 - 120	1	30
cis-1,2-Dichloroethene	0.0200	0.0198		mg/Kg		99	80 - 125	1	30
cis-1,3-Dichloropropene	0.0200	0.0193		mg/Kg		96	66 - 120	1	30
Cyclohexane	0.0200	0.0203		mg/Kg		102	58 - 126	1	30
Dibromochloromethane	0.0200	0.0199		mg/Kg		100	69 - 125	2	30
Dichlorodifluoromethane	0.0200	0.0213		mg/Kg		107	21 - 127	1	30
Ethylbenzene	0.0200	0.0184		mg/Kg		92	78 - 120	0	30
Freon 113	0.0200	0.0225		mg/Kg		113	64 - 135	1	30
Isopropylbenzene	0.0200	0.0185		mg/Kg		93	77 - 120	3	30
m&p-Xylene	0.0400	0.0372		mg/Kg		93	80 - 120	0	30
Methyl acetate	0.0200	0.0246		mg/Kg		123	67 - 128	15	30
Methyl tertiary butyl ether	0.0200	0.0199		mg/Kg		99	72 - 120	4	30
Methylcyclohexane	0.0200	0.0208		mg/Kg		104	61 - 124	1	30
Methylene Chloride	0.0200	0.0203		mg/Kg		102	76 - 122	1	30
o-Xylene	0.0200	0.0183		mg/Kg		92	75 - 120	1	30
Styrene	0.0200	0.0190		mg/Kg		95	76 - 120	3	30
Tetrachloroethene	0.0200	0.0191		mg/Kg		96	73 - 120	3	30
Toluene	0.0200	0.0180		mg/Kg		90	80 - 120	1	30
trans-1,2-Dichloroethene	0.0200	0.0180		mg/Kg		90	80 - 126	0	30
trans-1,3-Dichloropropene	0.0200	0.0201		mg/Kg		100	68 - 122	3	30
Trichloroethene	0.0200	0.0176		mg/Kg		88	80 - 120	4	30
Trichlorofluoromethane	0.0200	0.0192		mg/Kg		96	55 - 134	3	30
Vinyl chloride	0.0200	0.0196		mg/Kg		98	52 - 120	6	30
Xylenes, Total	0.0600	0.0555		mg/Kg		93	75 - 120	1	30
di-Isopropyl ether	0.0200	0.0215		mg/Kg		108	72 - 126	0	30
Ethyl t-butyl ether	0.0200	0.0205		mg/Kg		102	60 - 128	2	30
Naphthalene	0.0200	0.0185		mg/Kg		92	48 - 130	1	30

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

Lab Sample ID: LCSD 410-173576/5
Matrix: Solid
Analysis Batch: 173576

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
t-Amyl methyl ether			0.0200	0.0204		mg/Kg		102	45 - 146	2	30
t-Butyl alcohol			0.200	0.239		mg/Kg		119	74 - 121	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*54 - 135*
4-Bromofluorobenzene (Surr)	*95*		*50 - 131*
Dibromofluoromethane (Surr)	*102*		*50 - 141*
Toluene-d8 (Surr)	*98*		*52 - 141*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Lab Sample ID: MB 410-174141/4
Matrix: Solid
Analysis Batch: 174141

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		1.0	0.18	mg/Kg			09/22/21 13:24	25

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*94*		*50 - 142*		*09/22/21 13:24*	*25*

Lab Sample ID: LCS 410-174141/5
Matrix: Solid
Analysis Batch: 174141

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (1C)			11.0	9.74		mg/Kg		89	60 - 132		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene (fid) (1C)	*104*		*50 - 142*

Lab Sample ID: LCSD 410-174141/6
Matrix: Solid
Analysis Batch: 174141

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (1C)			11.0	9.93		mg/Kg		90	60 - 132	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene (fid) (1C)	*106*		*50 - 142*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Lab Sample ID: MB 410-173493/1-A
Matrix: Solid
Analysis Batch: 173754

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 173493

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28) (1C)	ND		12	5.0	mg/Kg		09/21/21 09:10	09/21/21 18:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr) (1C)	*104*		*42 - 143*	*09/21/21 09:10*	*09/21/21 18:59*	*1*

Lab Sample ID: LCS 410-173493/2-A
Matrix: Solid
Analysis Batch: 173754

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 173493

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
DRO (C10-C28) (1C)	133	128		mg/Kg		96	72 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o- terphenyl (Surr) (1C)	*102*		*42 - 143*

Lab Sample ID: 410-54992-2 MS
Matrix: Soil
Analysis Batch: 173754

Client Sample ID: SB-20913211345
Prep Type: Total/NA
Prep Batch: 173493

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
DRO (C10-C28) (1C)	ND		141	130		mg/Kg	☼	92	72 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o- terphenyl (Surr) (1C)	*99*		*42 - 143*

Lab Sample ID: 410-54992-2 MSD
Matrix: Soil
Analysis Batch: 173754

Client Sample ID: SB-20913211345
Prep Type: Total/NA
Prep Batch: 173493

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
DRO (C10-C28) (1C)	ND		141	136		mg/Kg	☼	96	72 - 128	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o- terphenyl (Surr) (1C)	*103*		*42 - 143*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 410-175356/1-A
Matrix: Solid
Analysis Batch: 175539

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 175356

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.00083	0.00017	mg/Kg		09/25/21 10:14	09/27/21 11:18	1
alpha-BHC (1C)	ND		0.00083	0.00017	mg/Kg		09/25/21 10:14	09/27/21 11:18	1
alpha-Chlordane (1C)	ND		0.00083	0.00017	mg/Kg		09/25/21 10:14	09/27/21 11:18	1
beta-BHC (1C)	ND		0.0010	0.00044	mg/Kg		09/25/21 10:14	09/27/21 11:18	1
delta-BHC (1C)	ND		0.0010	0.00045	mg/Kg		09/25/21 10:14	09/27/21 11:18	1
Dieldrin (1C)	ND		0.0017	0.00033	mg/Kg		09/25/21 10:14	09/27/21 11:18	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 410-175356/1-A
Matrix: Solid
Analysis Batch: 175539

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 175356

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I (1C)	ND		0.00083	0.00022	mg/Kg		09/25/21 10:14	09/27/21 11:18	1
Endosulfan II (1C)	ND		0.0023	0.0011	mg/Kg		09/25/21 10:14	09/27/21 11:18	1
Endosulfan sulfate (1C)	ND		0.0017	0.00033	mg/Kg		09/25/21 10:14	09/27/21 11:18	1
Endrin (1C)	ND		0.0017	0.00068	mg/Kg		09/25/21 10:14	09/27/21 11:18	1
Endrin aldehyde (1C)	ND		0.0017	0.00033	mg/Kg		09/25/21 10:14	09/27/21 11:18	1
Endrin ketone (1C)	ND		0.0020	0.00060	mg/Kg		09/25/21 10:14	09/27/21 11:18	1
gamma-BHC (Lindane) (1C)	ND		0.00083	0.00021	mg/Kg		09/25/21 10:14	09/27/21 11:18	1
gamma-Chlordane (1C)	ND		0.00083	0.00025	mg/Kg		09/25/21 10:14	09/27/21 11:18	1
Heptachlor (1C)	ND		0.00083	0.00031	mg/Kg		09/25/21 10:14	09/27/21 11:18	1
Heptachlor epoxide (1C)	ND		0.00083	0.00017	mg/Kg		09/25/21 10:14	09/27/21 11:18	1
Methoxychlor (1C)	ND		0.0067	0.0018	mg/Kg		09/25/21 10:14	09/27/21 11:18	1
Toxaphene (1C)	ND		0.033	0.014	mg/Kg		09/25/21 10:14	09/27/21 11:18	1
p,p'-DDD (1C)	ND		0.0017	0.00033	mg/Kg		09/25/21 10:14	09/27/21 11:18	1
p,p'-DDE (1C)	ND		0.0017	0.00033	mg/Kg		09/25/21 10:14	09/27/21 11:18	1
p,p'-DDT (1C)	ND		0.0017	0.00079	mg/Kg		09/25/21 10:14	09/27/21 11:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*104*		*46 - 152*	*09/25/21 10:14*	*09/27/21 11:18*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*106*		*46 - 152*	*09/25/21 10:14*	*09/27/21 11:18*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*34*		*19 - 136*	*09/25/21 10:14*	*09/27/21 11:18*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*34*		*19 - 136*	*09/25/21 10:14*	*09/27/21 11:18*	*1*

Lab Sample ID: LCS 410-175356/2-A
Matrix: Solid
Analysis Batch: 175539

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 175356

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin (2C)	0.00338	0.00321		mg/Kg		95	60 - 117
alpha-BHC (1C)	0.00338	0.00321		mg/Kg		95	65 - 124
beta-BHC (1C)	0.00333	0.00308		mg/Kg		92	68 - 129
delta-BHC (2C)	0.00333	0.00343		mg/Kg		103	45 - 151
Dieldrin (2C)	0.00667	0.00705		mg/Kg		106	63 - 126
Endosulfan I (2C)	0.00338	0.00325		mg/Kg		96	62 - 119
Endosulfan II (1C)	0.00671	0.00685		mg/Kg		102	65 - 126
Endosulfan sulfate (2C)	0.00671	0.00720		mg/Kg		107	71 - 132
Endrin (1C)	0.00667	0.00688		mg/Kg		103	86 - 135
Endrin aldehyde (2C)	0.00671	0.00635		mg/Kg		95	59 - 122
Endrin ketone (1C)	0.00667	0.00650		mg/Kg		97	85 - 131
gamma-BHC (Lindane) (2C)	0.00333	0.00308		mg/Kg		92	68 - 133
Heptachlor (1C)	0.00338	0.00312		mg/Kg		92	66 - 118
Heptachlor epoxide (1C)	0.00333	0.00334		mg/Kg		100	74 - 128
Methoxychlor (1C)	0.0336	0.0312		mg/Kg		93	88 - 145
p,p'-DDD (2C)	0.00671	0.00739		mg/Kg		110	69 - 138
p,p'-DDE (1C)	0.00671	0.00710		mg/Kg		106	68 - 146
p,p'-DDT (1C)	0.00671	0.00634		mg/Kg		95	67 - 135

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 410-175356/2-A
Matrix: Solid
Analysis Batch: 175539

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 175356

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	98		46 - 152
DCB Decachlorobiphenyl (Surr) (2C)	103		46 - 152
Tetrachloro-m-xylene (Surr) (1C)	38		19 - 136
Tetrachloro-m-xylene (Surr) (2C)	39		19 - 136

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 410-176148/1-A ^2
Matrix: Solid
Analysis Batch: 176497

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 176148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	8.7	mg/Kg		09/28/21 09:13	09/28/21 18:50	2
Antimony	ND		0.20	0.13	mg/Kg		09/28/21 09:13	09/28/21 18:50	2
Arsenic	ND		0.40	0.13	mg/Kg		09/28/21 09:13	09/28/21 18:50	2
Barium	ND	^3+	0.40	0.18	mg/Kg		09/28/21 09:13	09/28/21 18:50	2
Beryllium	ND		0.10	0.024	mg/Kg		09/28/21 09:13	09/28/21 18:50	2
Cadmium	ND		0.10	0.050	mg/Kg		09/28/21 09:13	09/28/21 18:50	2
Calcium	ND		40	15	mg/Kg		09/28/21 09:13	09/28/21 18:50	2
Chromium	ND		0.40	0.15	mg/Kg		09/28/21 09:13	09/28/21 18:50	2
Cobalt	ND		0.20	0.058	mg/Kg		09/28/21 09:13	09/28/21 18:50	2
Copper	ND		0.40	0.18	mg/Kg		09/28/21 09:13	09/28/21 18:50	2
Iron	ND		20	7.5	mg/Kg		09/28/21 09:13	09/28/21 18:50	2
Lead	ND		0.20	0.050	mg/Kg		09/28/21 09:13	09/28/21 18:50	2
Magnesium	ND		10	3.1	mg/Kg		09/28/21 09:13	09/28/21 18:50	2
Manganese	ND		0.40	0.21	mg/Kg		09/28/21 09:13	09/28/21 18:50	2
Nickel	ND		0.40	0.16	mg/Kg		09/28/21 09:13	09/28/21 18:50	2
Potassium	ND		40	19	mg/Kg		09/28/21 09:13	09/28/21 18:50	2
Selenium	ND		0.40	0.13	mg/Kg		09/28/21 09:13	09/28/21 18:50	2
Silver	ND		0.10	0.041	mg/Kg		09/28/21 09:13	09/28/21 18:50	2
Sodium	ND		50	27	mg/Kg		09/28/21 09:13	09/28/21 18:50	2
Thallium	ND		0.10	0.039	mg/Kg		09/28/21 09:13	09/28/21 18:50	2
Zinc	ND		30	1.1	mg/Kg		09/28/21 09:13	09/28/21 18:50	2
Vanadium	ND		0.80	0.086	mg/Kg		09/28/21 09:13	09/28/21 18:50	2

Lab Sample ID: MB 410-176148/1-A ^2
Matrix: Solid
Analysis Batch: 176624

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 176148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	8.7	mg/Kg		09/28/21 09:13	09/28/21 22:34	2
Antimony	ND		0.20	0.13	mg/Kg		09/28/21 09:13	09/28/21 22:34	2
Arsenic	ND		0.40	0.13	mg/Kg		09/28/21 09:13	09/28/21 22:34	2
Barium	ND		0.40	0.18	mg/Kg		09/28/21 09:13	09/28/21 22:34	2
Beryllium	ND		0.10	0.024	mg/Kg		09/28/21 09:13	09/28/21 22:34	2
Cadmium	ND		0.10	0.050	mg/Kg		09/28/21 09:13	09/28/21 22:34	2

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-176148/1-A ^2
Matrix: Solid
Analysis Batch: 176624

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 176148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.40	0.15	mg/Kg		09/28/21 09:13	09/28/21 22:34	2
Cobalt	ND		0.20	0.058	mg/Kg		09/28/21 09:13	09/28/21 22:34	2
Copper	ND		0.40	0.18	mg/Kg		09/28/21 09:13	09/28/21 22:34	2
Iron	ND		20	7.5	mg/Kg		09/28/21 09:13	09/28/21 22:34	2
Lead	ND		0.20	0.050	mg/Kg		09/28/21 09:13	09/28/21 22:34	2
Magnesium	ND		10	3.1	mg/Kg		09/28/21 09:13	09/28/21 22:34	2
Manganese	ND		0.40	0.21	mg/Kg		09/28/21 09:13	09/28/21 22:34	2
Nickel	ND		0.40	0.16	mg/Kg		09/28/21 09:13	09/28/21 22:34	2
Potassium	ND		40	19	mg/Kg		09/28/21 09:13	09/28/21 22:34	2
Selenium	ND		0.40	0.13	mg/Kg		09/28/21 09:13	09/28/21 22:34	2
Silver	ND		0.10	0.041	mg/Kg		09/28/21 09:13	09/28/21 22:34	2
Sodium	ND		50	27	mg/Kg		09/28/21 09:13	09/28/21 22:34	2
Thallium	ND		0.10	0.039	mg/Kg		09/28/21 09:13	09/28/21 22:34	2
Zinc	ND		30	1.1	mg/Kg		09/28/21 09:13	09/28/21 22:34	2
Vanadium	ND		0.80	0.086	mg/Kg		09/28/21 09:13	09/28/21 22:34	2

Lab Sample ID: LCS 410-176148/2-A ^2
Matrix: Solid
Analysis Batch: 176497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 176148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	500	544		mg/Kg		109	80 - 120
Antimony	10.0	10.9		mg/Kg		109	80 - 120
Arsenic	50.0	50.4		mg/Kg		101	80 - 120
Beryllium	4.99	5.44		mg/Kg		109	80 - 120
Cadmium	5.00	5.50		mg/Kg		110	80 - 120
Calcium	500	555		mg/Kg		111	80 - 120
Chromium	50.0	54.8		mg/Kg		110	80 - 120
Cobalt	50.0	52.9		mg/Kg		106	80 - 120
Copper	50.0	51.5		mg/Kg		103	80 - 120
Iron	500	549		mg/Kg		110	80 - 120
Lead	5.00	5.61		mg/Kg		112	80 - 120
Magnesium	500	545		mg/Kg		109	80 - 120
Manganese	50.0	54.8		mg/Kg		110	80 - 120
Nickel	50.0	52.6		mg/Kg		105	80 - 120
Potassium	500	546		mg/Kg		109	80 - 120
Selenium	10.0	10.7		mg/Kg		107	80 - 120
Silver	4.99	5.07		mg/Kg		102	80 - 120
Sodium	500	544		mg/Kg		109	80 - 120
Thallium	10.0	11.1		mg/Kg		111	80 - 120
Zinc	50.0	52.8		mg/Kg		106	80 - 120
Vanadium	50.0	55.0		mg/Kg		110	80 - 120

Lab Sample ID: LCS 410-176148/2-A ^2
Matrix: Solid
Analysis Batch: 176624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 176148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	500	496		mg/Kg		99	80 - 120

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-176148/2-A ^2
Matrix: Solid
Analysis Batch: 176624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 176148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	10.0	9.62		mg/Kg		96	80 - 120
Arsenic	50.0	47.4		mg/Kg		95	80 - 120
Barium	50.0	48.0		mg/Kg		96	80 - 120
Beryllium	4.99	4.43		mg/Kg		89	80 - 120
Cadmium	5.00	4.85		mg/Kg		97	80 - 120
Chromium	50.0	48.9		mg/Kg		98	80 - 120
Cobalt	50.0	47.3		mg/Kg		95	80 - 120
Copper	50.0	48.1		mg/Kg		96	80 - 120
Iron	500	481		mg/Kg		96	80 - 120
Lead	5.00	5.38		mg/Kg		108	80 - 120
Magnesium	500	500		mg/Kg		100	80 - 120
Manganese	50.0	48.7		mg/Kg		97	80 - 120
Nickel	50.0	49.1		mg/Kg		98	80 - 120
Potassium	500	489		mg/Kg		98	80 - 120
Selenium	10.0	9.51		mg/Kg		95	80 - 120
Silver	4.99	4.46		mg/Kg		89	80 - 120
Sodium	500	498		mg/Kg		100	80 - 120
Thallium	10.0	10.7		mg/Kg		107	80 - 120
Zinc	50.0	48.4		mg/Kg		97	80 - 120
Vanadium	50.0	49.1		mg/Kg		98	80 - 120

Lab Sample ID: LCSD 410-176148/3-A ^2
Matrix: Solid
Analysis Batch: 176497

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 176148

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	500	553		mg/Kg		111	80 - 120	2	20
Antimony	10.0	11.0		mg/Kg		110	80 - 120	1	20
Arsenic	50.0	50.0		mg/Kg		100	80 - 120	1	20
Beryllium	4.99	5.42		mg/Kg		109	80 - 120	0	20
Cadmium	5.00	5.56		mg/Kg		111	80 - 120	1	20
Calcium	500	555		mg/Kg		111	80 - 120	0	20
Chromium	50.0	54.8		mg/Kg		110	80 - 120	0	20
Cobalt	50.0	53.0		mg/Kg		106	80 - 120	0	20
Copper	50.0	51.3		mg/Kg		103	80 - 120	0	20
Iron	500	541		mg/Kg		108	80 - 120	2	20
Lead	5.00	5.52		mg/Kg		110	80 - 120	2	20
Magnesium	500	548		mg/Kg		110	80 - 120	1	20
Manganese	50.0	54.5		mg/Kg		109	80 - 120	1	20
Nickel	50.0	52.7		mg/Kg		105	80 - 120	0	20
Potassium	500	542		mg/Kg		108	80 - 120	1	20
Selenium	10.0	10.9		mg/Kg		109	80 - 120	1	20
Silver	4.99	5.21		mg/Kg		104	80 - 120	3	20
Sodium	500	550		mg/Kg		110	80 - 120	1	20
Thallium	10.0	11.0		mg/Kg		110	80 - 120	1	20
Zinc	50.0	52.5		mg/Kg		105	80 - 120	1	20
Vanadium	50.0	54.8		mg/Kg		110	80 - 120	0	20

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 410-176148/3-A ^2
Matrix: Solid
Analysis Batch: 176624

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 176148

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum			500	495		mg/Kg		99	80 - 120	0	20
Antimony			10.0	9.94		mg/Kg		99	80 - 120	3	20
Arsenic			50.0	47.5		mg/Kg		95	80 - 120	0	20
Barium			50.0	47.9		mg/Kg		96	80 - 120	0	20
Beryllium			4.99	4.44		mg/Kg		89	80 - 120	0	20
Cadmium			5.00	4.98		mg/Kg		100	80 - 120	3	20
Chromium			50.0	49.4		mg/Kg		99	80 - 120	1	20
Cobalt			50.0	48.1		mg/Kg		96	80 - 120	2	20
Copper			50.0	48.5		mg/Kg		97	80 - 120	1	20
Iron			500	495		mg/Kg		99	80 - 120	3	20
Lead			5.00	5.33		mg/Kg		107	80 - 120	1	20
Magnesium			500	506		mg/Kg		101	80 - 120	1	20
Manganese			50.0	49.8		mg/Kg		99	80 - 120	2	20
Nickel			50.0	50.0		mg/Kg		100	80 - 120	2	20
Potassium			500	493		mg/Kg		99	80 - 120	1	20
Selenium			10.0	9.74		mg/Kg		97	80 - 120	2	20
Silver			4.99	4.49		mg/Kg		90	80 - 120	1	20
Sodium			500	499		mg/Kg		100	80 - 120	0	20
Thallium			10.0	10.6		mg/Kg		106	80 - 120	1	20
Zinc			50.0	49.0		mg/Kg		98	80 - 120	1	20
Vanadium			50.0	49.7		mg/Kg		99	80 - 120	1	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 410-176132/1-A
Matrix: Solid
Analysis Batch: 176295

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 176132

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.015	mg/Kg		09/28/21 09:03	09/28/21 12:06	1

Lab Sample ID: LCS 410-176132/2-A
Matrix: Solid
Analysis Batch: 176295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 176132

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury			0.100	0.115		mg/Kg		115	80 - 120

Lab Sample ID: LCSD 410-176132/3-A
Matrix: Solid
Analysis Batch: 176295

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 176132

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.100	0.112		mg/Kg		112	80 - 120	2	20

GC/MS VOA

Prep Batch: 173129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-54992-1	SB-10913211415	Total/NA	Soil	5035	
410-54992-2	SB-20913211345	Total/NA	Soil	5035	
410-54992-3	SB-30913211445	Total/NA	Soil	5035	
410-54992-4	SB-40913211455	Total/NA	Soil	5035	
410-54992-5	SB-50913211530	Total/NA	Soil	5035	
410-54992-6	SB-60913211600	Total/NA	Soil	5035	

Analysis Batch: 173576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-54992-1	SB-10913211415	Total/NA	Soil	8260C	173129
410-54992-2	SB-20913211345	Total/NA	Soil	8260C	173129
410-54992-3	SB-30913211445	Total/NA	Soil	8260C	173129
410-54992-4	SB-40913211455	Total/NA	Soil	8260C	173129
410-54992-5	SB-50913211530	Total/NA	Soil	8260C	173129
410-54992-6	SB-60913211600	Total/NA	Soil	8260C	173129
MB 410-173576/7	Method Blank	Total/NA	Solid	8260C	
LCS 410-173576/4	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 410-173576/5	Lab Control Sample Dup	Total/NA	Solid	8260C	

GC VOA

Prep Batch: 173604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-54992-1	SB-10913211415	Total/NA	Soil	5030C	
410-54992-4	SB-40913211455	Total/NA	Soil	5030C	
410-54992-5	SB-50913211530	Total/NA	Soil	5030C	
410-54992-6	SB-60913211600	Total/NA	Soil	5030C	

Prep Batch: 174110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-54992-2	SB-20913211345	Total/NA	Soil	5030C	
410-54992-3	SB-30913211445	Total/NA	Soil	5030C	

Analysis Batch: 174141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-54992-1	SB-10913211415	Total/NA	Soil	8015C	173604
410-54992-2	SB-20913211345	Total/NA	Soil	8015C	174110
410-54992-3	SB-30913211445	Total/NA	Soil	8015C	174110
410-54992-4	SB-40913211455	Total/NA	Soil	8015C	173604
410-54992-5	SB-50913211530	Total/NA	Soil	8015C	173604
410-54992-6	SB-60913211600	Total/NA	Soil	8015C	173604
MB 410-174141/4	Method Blank	Total/NA	Solid	8015C	
LCS 410-174141/5	Lab Control Sample	Total/NA	Solid	8015C	
LCSD 410-174141/6	Lab Control Sample Dup	Total/NA	Solid	8015C	

GC Semi VOA

Prep Batch: 173493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-54992-1	SB-10913211415	Total/NA	Soil	3546	
410-54992-2	SB-20913211345	Total/NA	Soil	3546	
410-54992-3	SB-30913211445	Total/NA	Soil	3546	

GC Semi VOA (Continued)

Prep Batch: 173493 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-54992-4	SB-40913211455	Total/NA	Soil	3546	
410-54992-5	SB-50913211530	Total/NA	Soil	3546	
410-54992-6	SB-60913211600	Total/NA	Soil	3546	
MB 410-173493/1-A	Method Blank	Total/NA	Solid	3546	
LCS 410-173493/2-A	Lab Control Sample	Total/NA	Solid	3546	
410-54992-2 MS	SB-20913211345	Total/NA	Soil	3546	
410-54992-2 MSD	SB-20913211345	Total/NA	Soil	3546	

Analysis Batch: 173754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-54992-1	SB-10913211415	Total/NA	Soil	8015C	173493
410-54992-2	SB-20913211345	Total/NA	Soil	8015C	173493
410-54992-3	SB-30913211445	Total/NA	Soil	8015C	173493
410-54992-4	SB-40913211455	Total/NA	Soil	8015C	173493
410-54992-5	SB-50913211530	Total/NA	Soil	8015C	173493
410-54992-6	SB-60913211600	Total/NA	Soil	8015C	173493
MB 410-173493/1-A	Method Blank	Total/NA	Solid	8015C	173493
LCS 410-173493/2-A	Lab Control Sample	Total/NA	Solid	8015C	173493
410-54992-2 MS	SB-20913211345	Total/NA	Soil	8015C	173493
410-54992-2 MSD	SB-20913211345	Total/NA	Soil	8015C	173493

Prep Batch: 175356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-54992-7	SB-70913211305	Total/NA	Soil	3546	
410-54992-8	SB-80913210940	Total/NA	Soil	3546	
410-54992-9	SB-90913211035	Total/NA	Soil	3546	
410-54992-10	SB-100913211150	Total/NA	Soil	3546	
MB 410-175356/1-A	Method Blank	Total/NA	Solid	3546	
LCS 410-175356/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 175539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-54992-7	SB-70913211305	Total/NA	Soil	8081B	175356
410-54992-8	SB-80913210940	Total/NA	Soil	8081B	175356
410-54992-9	SB-90913211035	Total/NA	Soil	8081B	175356
410-54992-10	SB-100913211150	Total/NA	Soil	8081B	175356
MB 410-175356/1-A	Method Blank	Total/NA	Solid	8081B	175356
LCS 410-175356/2-A	Lab Control Sample	Total/NA	Solid	8081B	175356

Metals

Prep Batch: 176132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-54992-7	SB-70913211305	Total/NA	Soil	7471B	
410-54992-8	SB-80913210940	Total/NA	Soil	7471B	
410-54992-9	SB-90913211035	Total/NA	Soil	7471B	
410-54992-10	SB-100913211150	Total/NA	Soil	7471B	
MB 410-176132/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 410-176132/2-A	Lab Control Sample	Total/NA	Solid	7471B	
LCSD 410-176132/3-A	Lab Control Sample Dup	Total/NA	Solid	7471B	

Metals

Prep Batch: 176148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-54992-7	SB-70913211305	Total/NA	Soil	3050B	
410-54992-8	SB-80913210940	Total/NA	Soil	3050B	
410-54992-9	SB-90913211035	Total/NA	Soil	3050B	
410-54992-10	SB-100913211150	Total/NA	Soil	3050B	
MB 410-176148/1-A ^2	Method Blank	Total/NA	Solid	3050B	
LCS 410-176148/2-A ^2	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 410-176148/3-A ^2	Lab Control Sample Dup	Total/NA	Solid	3050B	

Analysis Batch: 176295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-54992-7	SB-70913211305	Total/NA	Soil	7471B	176132
410-54992-8	SB-80913210940	Total/NA	Soil	7471B	176132
410-54992-9	SB-90913211035	Total/NA	Soil	7471B	176132
410-54992-10	SB-100913211150	Total/NA	Soil	7471B	176132
MB 410-176132/1-A	Method Blank	Total/NA	Solid	7471B	176132
LCS 410-176132/2-A	Lab Control Sample	Total/NA	Solid	7471B	176132
LCSD 410-176132/3-A	Lab Control Sample Dup	Total/NA	Solid	7471B	176132

Analysis Batch: 176497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-54992-7	SB-70913211305	Total/NA	Soil	6020A	176148
410-54992-7	SB-70913211305	Total/NA	Soil	6020A	176148
410-54992-8	SB-80913210940	Total/NA	Soil	6020A	176148
410-54992-8	SB-80913210940	Total/NA	Soil	6020A	176148
410-54992-9	SB-90913211035	Total/NA	Soil	6020A	176148
410-54992-10	SB-100913211150	Total/NA	Soil	6020A	176148
MB 410-176148/1-A ^2	Method Blank	Total/NA	Solid	6020A	176148
LCS 410-176148/2-A ^2	Lab Control Sample	Total/NA	Solid	6020A	176148
LCSD 410-176148/3-A ^2	Lab Control Sample Dup	Total/NA	Solid	6020A	176148

Analysis Batch: 176624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-54992-7	SB-70913211305	Total/NA	Soil	6020A	176148
410-54992-8	SB-80913210940	Total/NA	Soil	6020A	176148
410-54992-9	SB-90913211035	Total/NA	Soil	6020A	176148
410-54992-10	SB-100913211150	Total/NA	Soil	6020A	176148
MB 410-176148/1-A ^2	Method Blank	Total/NA	Solid	6020A	176148
LCS 410-176148/2-A ^2	Lab Control Sample	Total/NA	Solid	6020A	176148
LCSD 410-176148/3-A ^2	Lab Control Sample Dup	Total/NA	Solid	6020A	176148

General Chemistry

Analysis Batch: 173121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-54992-1	SB-10913211415	Total/NA	Soil	Moisture	
410-54992-2	SB-20913211345	Total/NA	Soil	Moisture	
410-54992-3	SB-30913211445	Total/NA	Soil	Moisture	
410-54992-4	SB-40913211455	Total/NA	Soil	Moisture	
410-54992-5	SB-50913211530	Total/NA	Soil	Moisture	
410-54992-6	SB-60913211600	Total/NA	Soil	Moisture	

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

General Chemistry

Analysis Batch: 174080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-54992-7	SB-70913211305	Total/NA	Soil	Moisture	
410-54992-8	SB-80913210940	Total/NA	Soil	Moisture	
410-54992-9	SB-90913211035	Total/NA	Soil	Moisture	
410-54992-10	SB-100913211150	Total/NA	Soil	Moisture	

Lab Chronicle

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Client Sample ID: SB-10913211415
Lab Sample ID: 410-54992-1
Date Collected: 09/13/21 14:15
Matrix: Soil
Date Received: 09/14/21 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	173121	09/20/21 09:35	UWC1	ELLE

Client Sample ID: SB-10913211415
Lab Sample ID: 410-54992-1
Date Collected: 09/13/21 14:15
Matrix: Soil
Date Received: 09/14/21 18:08
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			173129	09/20/21 10:12	JJT8	ELLE
Total/NA	Analysis	8260C		1	173576	09/21/21 14:29	UCB5	ELLE
Total/NA	Prep	5030C			173604	09/21/21 20:01	JJT8	ELLE
Total/NA	Analysis	8015C		25	174141	09/22/21 17:15	JJT8	ELLE
Total/NA	Prep	3546			173493	09/21/21 09:10	U9KU	ELLE
Total/NA	Analysis	8015C		1	173754	09/22/21 00:02	IUSB	ELLE

Client Sample ID: SB-20913211345
Lab Sample ID: 410-54992-2
Date Collected: 09/13/21 13:45
Matrix: Soil
Date Received: 09/14/21 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	173121	09/20/21 09:35	UWC1	ELLE

Client Sample ID: SB-20913211345
Lab Sample ID: 410-54992-2
Date Collected: 09/13/21 13:45
Matrix: Soil
Date Received: 09/14/21 18:08
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			173129	09/20/21 10:12	JJT8	ELLE
Total/NA	Analysis	8260C		1	173576	09/21/21 14:52	UCB5	ELLE
Total/NA	Prep	5030C			174110	09/22/21 09:36	JJT8	ELLE
Total/NA	Analysis	8015C		25	174141	09/22/21 17:54	JJT8	ELLE
Total/NA	Prep	3546			173493	09/21/21 09:10	U9KU	ELLE
Total/NA	Analysis	8015C		1	173754	09/21/21 19:42	IUSB	ELLE

Client Sample ID: SB-30913211445
Lab Sample ID: 410-54992-3
Date Collected: 09/13/21 14:45
Matrix: Soil
Date Received: 09/14/21 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	173121	09/20/21 09:35	UWC1	ELLE

Client Sample ID: SB-30913211445 — **Lab Sample ID: 410-54992-3**
Date Collected: 09/13/21 14:45 — **Matrix: Soil**
Date Received: 09/14/21 18:08 — **Percent Solids: 92.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			173129	09/20/21 10:12	JJT8	ELLE
Total/NA	Analysis	8260C		1	173576	09/21/21 15:15	UCB5	ELLE
Total/NA	Prep	5030C			174110	09/22/21 09:36	JJT8	ELLE
Total/NA	Analysis	8015C		25	174141	09/22/21 18:32	JJT8	ELLE
Total/NA	Prep	3546			173493	09/21/21 09:10	U9KU	ELLE
Total/NA	Analysis	8015C		1	173754	09/21/21 21:30	IUSB	ELLE

Client Sample ID: SB-40913211455 — **Lab Sample ID: 410-54992-4**
Date Collected: 09/13/21 14:55 — **Matrix: Soil**
Date Received: 09/14/21 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	173121	09/20/21 09:35	UWC1	ELLE

Client Sample ID: SB-40913211455 — **Lab Sample ID: 410-54992-4**
Date Collected: 09/13/21 14:55 — **Matrix: Soil**
Date Received: 09/14/21 18:08 — **Percent Solids: 94.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			173129	09/20/21 10:12	JJT8	ELLE
Total/NA	Analysis	8260C		1	173576	09/21/21 15:38	UCB5	ELLE
Total/NA	Prep	5030C			173604	09/21/21 20:01	JJT8	ELLE
Total/NA	Analysis	8015C		25	174141	09/22/21 19:11	JJT8	ELLE
Total/NA	Prep	3546			173493	09/21/21 09:10	U9KU	ELLE
Total/NA	Analysis	8015C		1	173754	09/21/21 21:52	IUSB	ELLE

Client Sample ID: SB-50913211530 — **Lab Sample ID: 410-54992-5**
Date Collected: 09/13/21 15:30 — **Matrix: Soil**
Date Received: 09/14/21 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	173121	09/20/21 09:35	UWC1	ELLE

Client Sample ID: SB-50913211530 — **Lab Sample ID: 410-54992-5**
Date Collected: 09/13/21 15:30 — **Matrix: Soil**
Date Received: 09/14/21 18:08 — **Percent Solids: 87.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			173129	09/20/21 10:12	JJT8	ELLE
Total/NA	Analysis	8260C		1	173576	09/21/21 16:01	UCB5	ELLE
Total/NA	Prep	5030C			173604	09/21/21 20:01	JJT8	ELLE
Total/NA	Analysis	8015C		25	174141	09/22/21 19:49	JJT8	ELLE
Total/NA	Prep	3546			173493	09/21/21 09:10	U9KU	ELLE
Total/NA	Analysis	8015C		1	173754	09/21/21 23:18	IUSB	ELLE

Client Sample ID: SB-60913211600 — **Lab Sample ID: 410-54992-6**
Date Collected: 09/13/21 16:00 — **Matrix: Soil**
Date Received: 09/14/21 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	173121	09/20/21 09:35	UWC1	ELLE

Client Sample ID: SB-60913211600 — **Lab Sample ID: 410-54992-6**
Date Collected: 09/13/21 16:00 — **Matrix: Soil**
Date Received: 09/14/21 18:08 — **Percent Solids: 93.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			173129	09/20/21 10:12	JJT8	ELLE
Total/NA	Analysis	8260C		1	173576	09/21/21 16:24	UCB5	ELLE
Total/NA	Prep	5030C			173604	09/21/21 20:01	JJT8	ELLE
Total/NA	Analysis	8015C		25	174141	09/22/21 20:28	JJT8	ELLE
Total/NA	Prep	3546			173493	09/21/21 09:10	U9KU	ELLE
Total/NA	Analysis	8015C		1	173754	09/21/21 23:40	IUSB	ELLE

Client Sample ID: SB-70913211305 — **Lab Sample ID: 410-54992-7**
Date Collected: 09/13/21 13:05 — **Matrix: Soil**
Date Received: 09/14/21 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	174080	09/22/21 09:00	UVJN	ELLE

Client Sample ID: SB-70913211305 — **Lab Sample ID: 410-54992-7**
Date Collected: 09/13/21 13:05 — **Matrix: Soil**
Date Received: 09/14/21 18:08 — **Percent Solids: 85.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			175356	09/25/21 10:14	A2VL	ELLE
Total/NA	Analysis	8081B		1	175539	09/27/21 13:43	UAMZ	ELLE
Total/NA	Prep	3050B			176148	09/28/21 09:13	UAMX	ELLE
Total/NA	Analysis	6020A		2	176497	09/28/21 19:00	UCIG	ELLE
Total/NA	Prep	3050B			176148	09/28/21 09:13	UAMX	ELLE
Total/NA	Analysis	6020A		10	176497	09/28/21 19:02	UCIG	ELLE
Total/NA	Prep	3050B			176148	09/28/21 09:13	UAMX	ELLE
Total/NA	Analysis	6020A		2	176624	09/28/21 22:44	UCIG	ELLE
Total/NA	Prep	7471B			176132	09/28/21 09:03	UAMX	ELLE
Total/NA	Analysis	7471B		1	176295	09/28/21 12:12	UEFS	ELLE

Client Sample ID: SB-80913210940 — **Lab Sample ID: 410-54992-8**
Date Collected: 09/13/21 09:40 — **Matrix: Soil**
Date Received: 09/14/21 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	174080	09/22/21 09:00	UVJN	ELLE

Client Sample ID: SB-80913210940

Lab Sample ID: 410-54992-8

Date Collected: 09/13/21 09:40

Matrix: Soil

Date Received: 09/14/21 18:08

Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			175356	09/25/21 10:14	A2VL	ELLE
Total/NA	Analysis	8081B		1	175539	09/27/21 13:55	UAMZ	ELLE
Total/NA	Prep	3050B			176148	09/28/21 09:13	UAMX	ELLE
Total/NA	Analysis	6020A		2	176497	09/28/21 19:12	UCIG	ELLE
Total/NA	Prep	3050B			176148	09/28/21 09:13	UAMX	ELLE
Total/NA	Analysis	6020A		10	176497	09/28/21 19:14	UCIG	ELLE
Total/NA	Prep	3050B			176148	09/28/21 09:13	UAMX	ELLE
Total/NA	Analysis	6020A		2	176624	09/28/21 22:56	UCIG	ELLE
Total/NA	Prep	7471B			176132	09/28/21 09:03	UAMX	ELLE
Total/NA	Analysis	7471B		1	176295	09/28/21 12:14	UEFS	ELLE

Client Sample ID: SB-90913211035

Lab Sample ID: 410-54992-9

Date Collected: 09/13/21 10:35

Matrix: Soil

Date Received: 09/14/21 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	174080	09/22/21 09:00	UVJN	ELLE

Client Sample ID: SB-90913211035

Lab Sample ID: 410-54992-9

Date Collected: 09/13/21 10:35

Matrix: Soil

Date Received: 09/14/21 18:08

Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			175356	09/25/21 10:14	A2VL	ELLE
Total/NA	Analysis	8081B		1	175539	09/27/21 14:08	UAMZ	ELLE
Total/NA	Prep	3050B			176148	09/28/21 09:13	UAMX	ELLE
Total/NA	Analysis	6020A		2	176497	09/28/21 19:20	UCIG	ELLE
Total/NA	Prep	3050B			176148	09/28/21 09:13	UAMX	ELLE
Total/NA	Analysis	6020A		2	176624	09/28/21 23:04	UCIG	ELLE
Total/NA	Prep	7471B			176132	09/28/21 09:03	UAMX	ELLE
Total/NA	Analysis	7471B		1	176295	09/28/21 12:16	UEFS	ELLE

Client Sample ID: SB-100913211150

Lab Sample ID: 410-54992-10

Date Collected: 09/13/21 11:50

Matrix: Soil

Date Received: 09/14/21 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	174080	09/22/21 09:00	UVJN	ELLE

Client Sample ID: SB-100913211150

Lab Sample ID: 410-54992-10

Date Collected: 09/13/21 11:50

Matrix: Soil

Date Received: 09/14/21 18:08

Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			175356	09/25/21 10:14	A2VL	ELLE
Total/NA	Analysis	8081B		1	175539	09/27/21 14:20	UAMZ	ELLE

Lab Chronicle

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Client Sample ID: SB-100913211150
Date Collected: 09/13/21 11:50
Date Received: 09/14/21 18:08

Lab Sample ID: 410-54992-10
Matrix: Soil
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			176148	09/28/21 09:13	UAMX	ELLE
Total/NA	Analysis	6020A		2	176497	09/28/21 19:24	UCIG	ELLE
Total/NA	Prep	3050B			176148	09/28/21 09:13	UAMX	ELLE
Total/NA	Analysis	6020A		2	176624	09/28/21 23:09	UCIG	ELLE
Total/NA	Prep	7471B			176132	09/28/21 09:03	UAMX	ELLE
Total/NA	Analysis	7471B		1	176295	09/28/21 12:18	UEFS	ELLE

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
6020A	3050B	Soil	Aluminum
6020A	3050B	Soil	Antimony
6020A	3050B	Soil	Arsenic
6020A	3050B	Soil	Barium
6020A	3050B	Soil	Beryllium
6020A	3050B	Soil	Cadmium
6020A	3050B	Soil	Calcium
6020A	3050B	Soil	Chromium
6020A	3050B	Soil	Cobalt
6020A	3050B	Soil	Copper
6020A	3050B	Soil	Iron
6020A	3050B	Soil	Lead
6020A	3050B	Soil	Magnesium
6020A	3050B	Soil	Manganese
6020A	3050B	Soil	Nickel
6020A	3050B	Soil	Potassium
6020A	3050B	Soil	Selenium
6020A	3050B	Soil	Silver
6020A	3050B	Soil	Sodium
6020A	3050B	Soil	Thallium
6020A	3050B	Soil	Vanadium
6020A	3050B	Soil	Zinc
7471B	7471B	Soil	Mercury
8015C	3546	Soil	DRO (C10-C28) (1C)
8015C	5030C	Soil	GRO (1C)
8081B	3546	Soil	Aldrin (1C)
8081B	3546	Soil	alpha-BHC (1C)
8081B	3546	Soil	alpha-Chlordane (1C)
8081B	3546	Soil	beta-BHC (1C)
8081B	3546	Soil	delta-BHC (1C)
8081B	3546	Soil	Dieldrin (1C)
8081B	3546	Soil	Endosulfan I (1C)
8081B	3546	Soil	Endosulfan II (1C)
8081B	3546	Soil	Endosulfan sulfate (1C)
8081B	3546	Soil	Endrin (1C)
8081B	3546	Soil	Endrin aldehyde (1C)
8081B	3546	Soil	Endrin ketone (1C)
8081B	3546	Soil	gamma-BHC (Lindane) (1C)
8081B	3546	Soil	gamma-Chlordane (1C)
8081B	3546	Soil	gamma-Chlordane (2C)
8081B	3546	Soil	Heptachlor (1C)
8081B	3546	Soil	Heptachlor epoxide (1C)
8081B	3546	Soil	Methoxychlor (1C)
8081B	3546	Soil	p,p'-DDD (1C)
8081B	3546	Soil	p,p'-DDD (2C)

Laboratory: Eurofins Lancaster Laboratories Env, LLC (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8081B	3546	Soil	p,p'-DDE (1C)
8081B	3546	Soil	p,p'-DDT (1C)
8081B	3546	Soil	Toxaphene (1C)
8260C	5035	Soil	1,1,1-Trichloroethane
8260C	5035	Soil	1,1,2,2-Tetrachloroethane
8260C	5035	Soil	1,1,2-Trichloroethane
8260C	5035	Soil	1,1-Dichloroethane
8260C	5035	Soil	1,1-Dichloroethene
8260C	5035	Soil	1,2,3-Trichlorobenzene
8260C	5035	Soil	1,2,4-Trichlorobenzene
8260C	5035	Soil	1,2-Dibromo-3-Chloropropane
8260C	5035	Soil	1,2-Dibromoethane
8260C	5035	Soil	1,2-Dichlorobenzene
8260C	5035	Soil	1,2-Dichloroethane
8260C	5035	Soil	1,2-Dichloropropane
8260C	5035	Soil	1,3-Dichlorobenzene
8260C	5035	Soil	1,4-Dichlorobenzene
8260C	5035	Soil	2-Butanone
8260C	5035	Soil	2-Hexanone
8260C	5035	Soil	4-Methyl-2-pentanone
8260C	5035	Soil	Acetone
8260C	5035	Soil	Benzene
8260C	5035	Soil	Bromochloromethane
8260C	5035	Soil	Bromodichloromethane
8260C	5035	Soil	Bromoform
8260C	5035	Soil	Bromomethane
8260C	5035	Soil	Carbon disulfide
8260C	5035	Soil	Carbon tetrachloride
8260C	5035	Soil	Chlorobenzene
8260C	5035	Soil	Chloroethane
8260C	5035	Soil	Chloroform
8260C	5035	Soil	Chloromethane
8260C	5035	Soil	cis-1,2-Dichloroethene
8260C	5035	Soil	cis-1,3-Dichloropropene
8260C	5035	Soil	Cyclohexane
8260C	5035	Soil	Dibromochloromethane
8260C	5035	Soil	Dichlorodifluoromethane
8260C	5035	Soil	di-Isopropyl ether
8260C	5035	Soil	Ethyl t-butyl ether
8260C	5035	Soil	Ethylbenzene
8260C	5035	Soil	Freon 113
8260C	5035	Soil	Isopropylbenzene
8260C	5035	Soil	m&p-Xylene
8260C	5035	Soil	Methyl acetate
8260C	5035	Soil	Methyl tertiary butyl ether
8260C	5035	Soil	Methylcyclohexane
8260C	5035	Soil	Methylene Chloride

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C	5035	Soil	Naphthalene
8260C	5035	Soil	o-Xylene
8260C	5035	Soil	Styrene
8260C	5035	Soil	t-Amyl methyl ether
8260C	5035	Soil	t-Butyl alcohol
8260C	5035	Soil	Tetrachloroethene
8260C	5035	Soil	Toluene
8260C	5035	Soil	trans-1,2-Dichloroethene
8260C	5035	Soil	trans-1,3-Dichloropropene
8260C	5035	Soil	Trichloroethene
8260C	5035	Soil	Trichlorofluoromethane
8260C	5035	Soil	Vinyl chloride
8260C	5035	Soil	Xylenes, Total
Moisture		Soil	Percent Moisture

Method Summary

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	ELLE
8015C	Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)	SW846	ELLE
8015C	Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	SW846	ELLE
8081B	Organochlorine Pesticides (GC)	SW846	ELLE
6020A	Metals (ICP/MS)	SW846	ELLE
7471B	Mercury (CVAA)	SW846	ELLE
Moisture	Percent Moisture	EPA	ELLE
3050B	Preparation, Metals	SW846	ELLE
3546	Microwave Extraction	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE
5035	Closed System Purge and Trap	SW846	ELLE
7471B	Preparation, Mercury	SW846	ELLE

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Environmental Alliance, Inc.
Project/Site: 5227 / Cordova Road, MD

Job ID: 410-54992-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-54992-1	SB-10913211415	Soil	09/13/21 14:15	09/14/21 18:08
410-54992-2	SB-20913211345	Soil	09/13/21 13:45	09/14/21 18:08
410-54992-3	SB-30913211445	Soil	09/13/21 14:45	09/14/21 18:08
410-54992-4	SB-40913211455	Soil	09/13/21 14:55	09/14/21 18:08
410-54992-5	SB-50913211530	Soil	09/13/21 15:30	09/14/21 18:08
410-54992-6	SB-60913211600	Soil	09/13/21 16:00	09/14/21 18:08
410-54992-7	SB-70913211305	Soil	09/13/21 13:05	09/14/21 18:08
410-54992-8	SB-80913210940	Soil	09/13/21 09:40	09/14/21 18:08
410-54992-9	SB-90913211035	Soil	09/13/21 10:35	09/14/21 18:08
410-54992-10	SB-100913211150	Soil	09/13/21 11:50	09/14/21 18:08

Eurofins Lancaster Laboratories Env, LLC
2425 New Holland Pike
Lancaster, PA 17601
Phone: 717-656-2300 Fax: 717-656-2681

Chain of Cus

410-54992 Chain of Custody

eurofins Environment Testing America

Client Information	Sampler: Graham Prowse	Phone:	Tracking No(s):	COC No: 410-33606-10459.2
Client Contact: Mr. Graham Prowse			State of Origin: MD	Page: Page 2 of 3
Company: Environmental Alliance, Inc.		PWSID:		Job #:
Address: 5341 Limestone Road	Due Date Requested:		Analysis Requested	
City: Wilmington	TAT Requested (days): standard			Preservation Codes:
State, Zip: DE, 19808	Compliance Project: Yes X No			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)
Phone:	PO #: 20495			Other:
Email: gprowse@envalliance.com	WO #:			
Project Name: 5277 - Cordova Road	Project #:			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	VOCs 8260C + oxygenates	8081B OC Pesticides	TPH-DRO, TPH-GRO	TAL metals	Special Instructions/Note:
SB-1	9-13-21	1415	G	S	X		X		
SB-2		1345			X		X		
SB-3		1445			X		X		
SB-4		1455			X		X		
SB-5		1530			X		X		
SB-6		1600			X		X		
SB-7		1305				X		X	
SB-8		940				X		X	
SB-9		1035				X		X	
SB-10		1150				X		X	

Possible Hazard Identification
X Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client X Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) EZ-EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time:	Company	Received by: Date/Time: 9-10-21 1300 Company: EAI
Relinquished by:	Date/Time: 9/14 700	Company: EAI	Received by: Date/Time: 9/14/21 11:23 Company: ELLE
Relinquished by:	Date/Time: 9/14 1745	Company: ELLE	Received by: Date/Time: 9/14/21 1000 Company: ELLE

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: -0.1 - -1.4

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Environmental Alliance, Inc.

Job Number: 410-54992-1

Login Number: 54992

List Source: Eurofins Lancaster Laboratories Env, LLC

List Number: 1

Creator: Jeremiah, Cory T

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Lancaster Laboratories Env, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-55708-1
Client Project/Site: 5277 / Cordova Road, MD

For:
Environmental Alliance, Inc.
5341 Limestone Road
Wilmington, Delaware 19808

Attn: Mr. Graham Prowse

Authorized for release by:
9/27/2021 11:08:05 AM

Megan Moeller, Client Services Group Leader
(717)556-7261
Megan.Moeller@eurofinset.com

LINKS

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

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

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

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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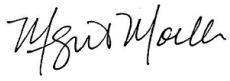

Megan Moeller
Client Services Group Leader
9/27/2021 11:08:05 AM

Table of Contents

Definitions/Glossary

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
^3-	Reporting Limit Check Standard is outside acceptance limits, low biased.
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 410-55708-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-55708-1

Receipt
The samples were received on 9/14/2021 6:08 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were -1.4°C and -0.1°C

Receipt Exceptions
The following sample was collected in an improper container for OC Pesticides: TMW-40913211000 (410-55708-4). HCl preserved containers were received instead of the unpreserved required for the method.

DRO was not reported for this sample, as the laboratory did not receive the required containers needed for the method. TB0913211130 (410-55708-7)

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): TMW-10913211150 (410-55708-1). The container labels list a collection time of 13:50, while the COC lists a collection time of 11:50.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 410-174023 recovered above the upper control limit for Dichlorodifluoromethane. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260C: The continuing calibration verification (CCV) associated with batch 410-174521 recovered outside acceptance criteria, low biased, for 1,2-Dibromo-3-Chloropropane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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

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

Diesel Range Organics
Method 8015C_DRO: The following samples were prepared outside of preparation holding time due to laboratory error : TMW-10913211150 (410-55708-1), TMW-20913211540 (410-55708-2) and TMW-30913211310 (410-55708-3). The client was contacted and the data reported.

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

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

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

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

Detection Summary

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Client Sample ID: TMW-10913211150 — Lab Sample ID: 410-55708-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.6		1.0	0.30	ug/L	1		8260C	Total/NA
DRO (C10-C28) (1C)	210	H	100	47	ug/L	1		8015C	Total/NA

Client Sample ID: TMW-20913211540 — Lab Sample ID: 410-55708-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
DRO (C10-C28) (1C)	81	J H	100	47	ug/L	1		8015C	Total/NA

Client Sample ID: TMW-30913211310 — Lab Sample ID: 410-55708-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate Nitrite as N	6000		200	80	ug/L	2		353.2	Total/NA

Client Sample ID: TMW-40913211000 — Lab Sample ID: 410-55708-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	4100		25	20	ug/L	1		6020A	Total Recoverable
Barium	58		2.0	0.75	ug/L	1		6020A	Total Recoverable
Calcium	8700		100	74	ug/L	1		6020A	Total Recoverable
Chromium	2.5		2.0	0.33	ug/L	1		6020A	Total Recoverable
Cobalt	6.2		0.50	0.16	ug/L	1		6020A	Total Recoverable
Copper	1.9		1.0	0.36	ug/L	1		6020A	Total Recoverable
Iron	2700		50	23	ug/L	1		6020A	Total Recoverable
Lead	2.1		0.50	0.071	ug/L	1		6020A	Total Recoverable
Magnesium	4100		50	10	ug/L	1		6020A	Total Recoverable
Manganese	71		2.0	0.63	ug/L	1		6020A	Total Recoverable
Nickel	4.9		1.0	0.60	ug/L	1		6020A	Total Recoverable
Potassium	25000		200	110	ug/L	1		6020A	Total Recoverable
Sodium	19000		200	50	ug/L	1		6020A	Total Recoverable
Thallium	0.13	J	0.50	0.13	ug/L	1		6020A	Total Recoverable
Vanadium	4.0		4.0	0.79	ug/L	1		6020A	Total Recoverable
Barium	51		2.1	0.77	ug/L	1		6020A	Dissolved
Calcium	8500	^2 ^3+	100	76	ug/L	1		6020A	Dissolved
Cobalt	5.8	^2	0.52	0.16	ug/L	1		6020A	Dissolved
Copper	0.89	J	1.0	0.37	ug/L	1		6020A	Dissolved
Iron	1700		52	23	ug/L	1		6020A	Dissolved
Lead	0.13	J	0.52	0.073	ug/L	1		6020A	Dissolved
Magnesium	4100	^2	52	11	ug/L	1		6020A	Dissolved
Manganese	65		2.1	0.65	ug/L	1		6020A	Dissolved
Nickel	4.1		1.0	0.62	ug/L	1		6020A	Dissolved
Potassium	24000		210	110	ug/L	1		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Env, LLC

Client Sample ID: TMW-40913211000 (Continued)

Lab Sample ID: 410-55708-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	20000	^2	210	52	ug/L	1		6020A	Dissolved
Thallium	0.14	J	0.52	0.13	ug/L	1		6020A	Dissolved
Nitrate Nitrite as N	7500		200	80	ug/L	2		353.2	Total/NA

Client Sample ID: TMW-50913211050

Lab Sample ID: 410-55708-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.0	J	20	0.70	ug/L	1		8260C	Total/NA
Aluminum	6700		25	20	ug/L	1		6020A	Total Recoverable
Barium	48		2.0	0.75	ug/L	1		6020A	Total Recoverable
Beryllium	0.12	J	0.50	0.12	ug/L	1		6020A	Total Recoverable
Calcium	11000		100	74	ug/L	1		6020A	Total Recoverable
Chromium	4.3		2.0	0.33	ug/L	1		6020A	Total Recoverable
Cobalt	2.5		0.50	0.16	ug/L	1		6020A	Total Recoverable
Copper	1.9		1.0	0.36	ug/L	1		6020A	Total Recoverable
Iron	2100		50	23	ug/L	1		6020A	Total Recoverable
Lead	1.7		0.50	0.071	ug/L	1		6020A	Total Recoverable
Magnesium	4600		50	10	ug/L	1		6020A	Total Recoverable
Manganese	79		2.0	0.63	ug/L	1		6020A	Total Recoverable
Nickel	4.2		1.0	0.60	ug/L	1		6020A	Total Recoverable
Potassium	19000		200	110	ug/L	1		6020A	Total Recoverable
Selenium	0.86	J	1.0	0.28	ug/L	1		6020A	Total Recoverable
Sodium	43000		200	50	ug/L	1		6020A	Total Recoverable
Zinc	15		10	6.2	ug/L	1		6020A	Total Recoverable
Vanadium	4.5		4.0	0.79	ug/L	1		6020A	Total Recoverable
Aluminum	25	J	26	20	ug/L	1		6020A	Dissolved
Barium	40		2.1	0.77	ug/L	1		6020A	Dissolved
Calcium	11000	^2 ^3+	100	76	ug/L	1		6020A	Dissolved
Cobalt	2.5		0.52	0.16	ug/L	1		6020A	Dissolved
Copper	0.73	J	1.0	0.37	ug/L	1		6020A	Dissolved
Iron	750		52	23	ug/L	1		6020A	Dissolved
Lead	0.13	J	0.52	0.073	ug/L	1		6020A	Dissolved
Magnesium	4400	^2	52	11	ug/L	1		6020A	Dissolved
Manganese	79		2.1	0.65	ug/L	1		6020A	Dissolved
Nickel	2.1		1.0	0.62	ug/L	1		6020A	Dissolved
Potassium	18000		210	110	ug/L	1		6020A	Dissolved
Selenium	0.81	J	1.0	0.29	ug/L	1		6020A	Dissolved
Sodium	44000	^2	210	52	ug/L	1		6020A	Dissolved
Thallium	0.13	J	0.52	0.13	ug/L	1		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: TMW-50913211050 (Continued)

Lab Sample ID: 410-55708-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate Nitrite as N	5300		200	80	ug/L	2		353.2	Total/NA

Client Sample ID: TMW-60913211145

Lab Sample ID: 410-55708-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	9200		25	20	ug/L	1		6020A	Total Recoverable
Arsenic	1.1	J	2.0	0.68	ug/L	1		6020A	Total Recoverable
Barium	45		2.0	0.75	ug/L	1		6020A	Total Recoverable
Beryllium	0.66		0.50	0.12	ug/L	1		6020A	Total Recoverable
Calcium	8200		100	74	ug/L	1		6020A	Total Recoverable
Chromium	9.4		2.0	0.33	ug/L	1		6020A	Total Recoverable
Cobalt	6.0		0.50	0.16	ug/L	1		6020A	Total Recoverable
Copper	3.9		1.0	0.36	ug/L	1		6020A	Total Recoverable
Iron	3800		50	23	ug/L	1		6020A	Total Recoverable
Lead	2.9		0.50	0.071	ug/L	1		6020A	Total Recoverable
Magnesium	3500		50	10	ug/L	1		6020A	Total Recoverable
Manganese	190		2.0	0.63	ug/L	1		6020A	Total Recoverable
Nickel	7.7		1.0	0.60	ug/L	1		6020A	Total Recoverable
Potassium	18000		200	110	ug/L	1		6020A	Total Recoverable
Selenium	1.1		1.0	0.28	ug/L	1		6020A	Total Recoverable
Sodium	34000		200	50	ug/L	1		6020A	Total Recoverable
Zinc	23		10	6.2	ug/L	1		6020A	Total Recoverable
Vanadium	14		4.0	0.79	ug/L	1		6020A	Total Recoverable
Aluminum	140		26	20	ug/L	1		6020A	Dissolved
Barium	36		2.1	0.77	ug/L	1		6020A	Dissolved
Beryllium	0.44	J	0.52	0.12	ug/L	1		6020A	Dissolved
Calcium	8100	^2 ^3+	100	76	ug/L	1		6020A	Dissolved
Chromium	0.46	J	2.1	0.34	ug/L	1		6020A	Dissolved
Cobalt	5.4	^2	0.52	0.16	ug/L	1		6020A	Dissolved
Copper	2.3		1.0	0.37	ug/L	1		6020A	Dissolved
Iron	1700		52	23	ug/L	1		6020A	Dissolved
Lead	0.40	J	0.52	0.073	ug/L	1		6020A	Dissolved
Magnesium	3400	^2	52	11	ug/L	1		6020A	Dissolved
Manganese	180		2.1	0.65	ug/L	1		6020A	Dissolved
Nickel	5.1		1.0	0.62	ug/L	1		6020A	Dissolved
Potassium	17000		210	110	ug/L	1		6020A	Dissolved
Selenium	1.2		1.0	0.29	ug/L	1		6020A	Dissolved
Sodium	36000	^2	210	52	ug/L	1		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: TMW-60913211145 (Continued)

Lab Sample ID: 410-55708-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Thallium	0.13	J	0.52	0.13	ug/L	1		6020A	Dissolved
Zinc	18		10	6.4	ug/L	1		6020A	Dissolved
Mercury	0.085	J	0.20	0.079	ug/L	1		7470A	Total/NA
Mercury	0.093	J	0.20	0.079	ug/L	1		7470A	Dissolved
Nitrate Nitrite as N	10000		500	200	ug/L	5		353.2	Total/NA

Client Sample ID: TB0913211130

Lab Sample ID: 410-55708-7

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Client Sample ID: TMW-10913211150
Date Collected: 09/13/21 11:50
Date Received: 09/14/21 18:08

Lab Sample ID: 410-55708-1
Matrix: Groundwater

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			09/22/21 19:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			09/22/21 19:59	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			09/22/21 19:59	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			09/22/21 19:59	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			09/22/21 19:59	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			09/22/21 19:59	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			09/22/21 19:59	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			09/22/21 19:59	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			09/22/21 19:59	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			09/22/21 19:59	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			09/22/21 19:59	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			09/22/21 19:59	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/L			09/22/21 19:59	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			09/22/21 19:59	1
2-Butanone	ND		10	0.50	ug/L			09/22/21 19:59	1
2-Hexanone	ND		10	0.40	ug/L			09/22/21 19:59	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			09/22/21 19:59	1
Acetone	ND		20	0.70	ug/L			09/22/21 19:59	1
Benzene	ND		1.0	0.30	ug/L			09/22/21 19:59	1
Bromochloromethane	ND		5.0	0.20	ug/L			09/22/21 19:59	1
Bromodichloromethane	ND		1.0	0.20	ug/L			09/22/21 19:59	1
Bromoform	ND		4.0	1.0	ug/L			09/22/21 19:59	1
Bromomethane	ND		1.0	0.30	ug/L			09/22/21 19:59	1
Carbon disulfide	ND		5.0	0.30	ug/L			09/22/21 19:59	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			09/22/21 19:59	1
Chlorobenzene	ND		1.0	0.30	ug/L			09/22/21 19:59	1
Chloroethane	ND		1.0	0.20	ug/L			09/22/21 19:59	1
Chloroform	ND		1.0	0.30	ug/L			09/22/21 19:59	1
Chloromethane	ND	*+	1.0	0.20	ug/L			09/22/21 19:59	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			09/22/21 19:59	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			09/22/21 19:59	1
Cyclohexane	ND		5.0	1.0	ug/L			09/22/21 19:59	1
Dibromochloromethane	ND		1.0	0.20	ug/L			09/22/21 19:59	1
Dichlorodifluoromethane	ND	*+	1.0	0.20	ug/L			09/22/21 19:59	1
di-Isopropyl ether	ND		1.0	0.30	ug/L			09/22/21 19:59	1
Ethyl t-butyl ether	ND		1.0	0.30	ug/L			09/22/21 19:59	1
Ethylbenzene	ND		1.0	0.40	ug/L			09/22/21 19:59	1
Freon 113	ND		10	0.30	ug/L			09/22/21 19:59	1
Isopropylbenzene	ND		5.0	0.20	ug/L			09/22/21 19:59	1
m&p-Xylene	ND		5.0	2.0	ug/L			09/22/21 19:59	1
Methyl acetate	ND		5.0	0.30	ug/L			09/22/21 19:59	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			09/22/21 19:59	1
Methylcyclohexane	ND		5.0	0.50	ug/L			09/22/21 19:59	1
Methylene Chloride	ND		1.0	0.30	ug/L			09/22/21 19:59	1
Naphthalene	ND		5.0	1.0	ug/L			09/22/21 19:59	1
o-Xylene	ND		1.0	0.40	ug/L			09/22/21 19:59	1
Styrene	ND		5.0	0.30	ug/L			09/22/21 19:59	1
t-Amyl methyl ether	ND		5.0	0.80	ug/L			09/22/21 19:59	1
t-Butyl alcohol	ND		50	12	ug/L			09/22/21 19:59	1

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Client Sample ID: TMW-10913211150
Date Collected: 09/13/21 11:50
Date Received: 09/14/21 18:08

Lab Sample ID: 410-55708-1
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.0	0.30	ug/L			09/22/21 19:59	1
Toluene	ND		1.0	0.20	ug/L			09/22/21 19:59	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			09/22/21 19:59	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			09/22/21 19:59	1
Trichloroethene	**1.6**		1.0	0.30	ug/L			09/22/21 19:59	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/22/21 19:59	1
Vinyl chloride	ND		1.0	0.20	ug/L			09/22/21 19:59	1
Xylenes, Total	ND		1.0	0.40	ug/L			09/22/21 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*09/22/21 19:59*	*1*
4-Bromofluorobenzene (Surr)	*86*		*80 - 120*		*09/22/21 19:59*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*09/22/21 19:59*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/22/21 19:59*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		50	23	ug/L			09/21/21 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*98*		*63 - 135*		*09/21/21 15:54*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28) (1C)	**210**	**H**	100	47	ug/L		09/22/21 09:19	09/22/21 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr) (1C)	*90*		*48 - 113*	*09/22/21 09:19*	*09/22/21 22:23*	*1*

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Client Sample ID: TMW-20913211540
Date Collected: 09/13/21 15:40
Date Received: 09/14/21 18:08

Lab Sample ID: 410-55708-2
Matrix: Groundwater

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			09/23/21 14:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			09/23/21 14:56	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			09/23/21 14:56	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			09/23/21 14:56	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			09/23/21 14:56	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			09/23/21 14:56	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			09/23/21 14:56	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			09/23/21 14:56	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			09/23/21 14:56	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			09/23/21 14:56	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			09/23/21 14:56	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			09/23/21 14:56	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/L			09/23/21 14:56	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			09/23/21 14:56	1
2-Butanone	ND		10	0.50	ug/L			09/23/21 14:56	1
2-Hexanone	ND		10	0.40	ug/L			09/23/21 14:56	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			09/23/21 14:56	1
Acetone	ND		20	0.70	ug/L			09/23/21 14:56	1
Benzene	ND		1.0	0.30	ug/L			09/23/21 14:56	1
Bromochloromethane	ND		5.0	0.20	ug/L			09/23/21 14:56	1
Bromodichloromethane	ND		1.0	0.20	ug/L			09/23/21 14:56	1
Bromoform	ND		4.0	1.0	ug/L			09/23/21 14:56	1
Bromomethane	ND		1.0	0.30	ug/L			09/23/21 14:56	1
Carbon disulfide	ND		5.0	0.30	ug/L			09/23/21 14:56	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			09/23/21 14:56	1
Chlorobenzene	ND		1.0	0.30	ug/L			09/23/21 14:56	1
Chloroethane	ND		1.0	0.20	ug/L			09/23/21 14:56	1
Chloroform	ND		1.0	0.30	ug/L			09/23/21 14:56	1
Chloromethane	ND	*+	1.0	0.20	ug/L			09/23/21 14:56	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			09/23/21 14:56	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			09/23/21 14:56	1
Cyclohexane	ND		5.0	1.0	ug/L			09/23/21 14:56	1
Dibromochloromethane	ND		1.0	0.20	ug/L			09/23/21 14:56	1
Dichlorodifluoromethane	ND	*+	1.0	0.20	ug/L			09/23/21 14:56	1
di-Isopropyl ether	ND		1.0	0.30	ug/L			09/23/21 14:56	1
Ethyl t-butyl ether	ND		1.0	0.30	ug/L			09/23/21 14:56	1
Ethylbenzene	ND		1.0	0.40	ug/L			09/23/21 14:56	1
Freon 113	ND		10	0.30	ug/L			09/23/21 14:56	1
Isopropylbenzene	ND		5.0	0.20	ug/L			09/23/21 14:56	1
m&p-Xylene	ND		5.0	2.0	ug/L			09/23/21 14:56	1
Methyl acetate	ND		5.0	0.30	ug/L			09/23/21 14:56	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			09/23/21 14:56	1
Methylcyclohexane	ND		5.0	0.50	ug/L			09/23/21 14:56	1
Methylene Chloride	ND		1.0	0.30	ug/L			09/23/21 14:56	1
Naphthalene	ND		5.0	1.0	ug/L			09/23/21 14:56	1
o-Xylene	ND		1.0	0.40	ug/L			09/23/21 14:56	1
Styrene	ND		5.0	0.30	ug/L			09/23/21 14:56	1
t-Amyl methyl ether	ND		5.0	0.80	ug/L			09/23/21 14:56	1
t-Butyl alcohol	ND		50	12	ug/L			09/23/21 14:56	1

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Client Sample ID: TMW-20913211540
Date Collected: 09/13/21 15:40
Date Received: 09/14/21 18:08

Lab Sample ID: 410-55708-2
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.0	0.30	ug/L			09/23/21 14:56	1
Toluene	ND		1.0	0.20	ug/L			09/23/21 14:56	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			09/23/21 14:56	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			09/23/21 14:56	1
Trichloroethene	ND		1.0	0.30	ug/L			09/23/21 14:56	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/23/21 14:56	1
Vinyl chloride	ND		1.0	0.20	ug/L			09/23/21 14:56	1
Xylenes, Total	ND		1.0	0.40	ug/L			09/23/21 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*09/23/21 14:56*	*1*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*09/23/21 14:56*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*09/23/21 14:56*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/23/21 14:56*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		50	23	ug/L			09/21/21 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*99*		*63 - 135*		*09/21/21 16:19*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28) (1C)	**81**	**J H**	100	47	ug/L		09/22/21 09:19	09/22/21 22:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr) (1C)	*95*		*48 - 113*	*09/22/21 09:19*	*09/22/21 22:46*	*1*

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Client Sample ID: TMW-30913211310
Date Collected: 09/13/21 13:10
Date Received: 09/14/21 18:08

Lab Sample ID: 410-55708-3
Matrix: Groundwater

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			09/23/21 15:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			09/23/21 15:19	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			09/23/21 15:19	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			09/23/21 15:19	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			09/23/21 15:19	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			09/23/21 15:19	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			09/23/21 15:19	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			09/23/21 15:19	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			09/23/21 15:19	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			09/23/21 15:19	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			09/23/21 15:19	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			09/23/21 15:19	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/L			09/23/21 15:19	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			09/23/21 15:19	1
2-Butanone	ND		10	0.50	ug/L			09/23/21 15:19	1
2-Hexanone	ND		10	0.40	ug/L			09/23/21 15:19	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			09/23/21 15:19	1
Acetone	ND		20	0.70	ug/L			09/23/21 15:19	1
Benzene	ND		1.0	0.30	ug/L			09/23/21 15:19	1
Bromochloromethane	ND		5.0	0.20	ug/L			09/23/21 15:19	1
Bromodichloromethane	ND		1.0	0.20	ug/L			09/23/21 15:19	1
Bromoform	ND		4.0	1.0	ug/L			09/23/21 15:19	1
Bromomethane	ND		1.0	0.30	ug/L			09/23/21 15:19	1
Carbon disulfide	ND		5.0	0.30	ug/L			09/23/21 15:19	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			09/23/21 15:19	1
Chlorobenzene	ND		1.0	0.30	ug/L			09/23/21 15:19	1
Chloroethane	ND		1.0	0.20	ug/L			09/23/21 15:19	1
Chloroform	ND		1.0	0.30	ug/L			09/23/21 15:19	1
Chloromethane	ND	*+	1.0	0.20	ug/L			09/23/21 15:19	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			09/23/21 15:19	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			09/23/21 15:19	1
Cyclohexane	ND		5.0	1.0	ug/L			09/23/21 15:19	1
Dibromochloromethane	ND		1.0	0.20	ug/L			09/23/21 15:19	1
Dichlorodifluoromethane	ND	*+	1.0	0.20	ug/L			09/23/21 15:19	1
di-Isopropyl ether	ND		1.0	0.30	ug/L			09/23/21 15:19	1
Ethyl t-butyl ether	ND		1.0	0.30	ug/L			09/23/21 15:19	1
Ethylbenzene	ND		1.0	0.40	ug/L			09/23/21 15:19	1
Freon 113	ND		10	0.30	ug/L			09/23/21 15:19	1
Isopropylbenzene	ND		5.0	0.20	ug/L			09/23/21 15:19	1
m&p-Xylene	ND		5.0	2.0	ug/L			09/23/21 15:19	1
Methyl acetate	ND		5.0	0.30	ug/L			09/23/21 15:19	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			09/23/21 15:19	1
Methylcyclohexane	ND		5.0	0.50	ug/L			09/23/21 15:19	1
Methylene Chloride	ND		1.0	0.30	ug/L			09/23/21 15:19	1
Naphthalene	ND		5.0	1.0	ug/L			09/23/21 15:19	1
o-Xylene	ND		1.0	0.40	ug/L			09/23/21 15:19	1
Styrene	ND		5.0	0.30	ug/L			09/23/21 15:19	1
t-Amyl methyl ether	ND		5.0	0.80	ug/L			09/23/21 15:19	1
t-Butyl alcohol	ND		50	12	ug/L			09/23/21 15:19	1

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Client Sample ID: TMW-30913211310
Date Collected: 09/13/21 13:10
Date Received: 09/14/21 18:08

Lab Sample ID: 410-55708-3
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.0	0.30	ug/L			09/23/21 15:19	1
Toluene	ND		1.0	0.20	ug/L			09/23/21 15:19	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			09/23/21 15:19	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			09/23/21 15:19	1
Trichloroethene	ND		1.0	0.30	ug/L			09/23/21 15:19	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/23/21 15:19	1
Vinyl chloride	ND		1.0	0.20	ug/L			09/23/21 15:19	1
Xylenes, Total	ND		1.0	0.40	ug/L			09/23/21 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*09/23/21 15:19*	*1*
4-Bromofluorobenzene (Surr)	*86*		*80 - 120*		*09/23/21 15:19*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*09/23/21 15:19*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/23/21 15:19*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		50	23	ug/L			09/21/21 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*100*		*63 - 135*		*09/21/21 16:45*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28) (1C)	ND	H	110	48	ug/L		09/22/21 09:19	09/22/21 23:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr) (1C)	*90*		*48 - 113*	*09/22/21 09:19*	*09/22/21 23:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	**6000**		200	80	ug/L			09/22/21 10:19	2

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Client Sample ID: TMW-40913211000
Date Collected: 09/13/21 10:00
Date Received: 09/14/21 18:08

Lab Sample ID: 410-55708-4
Matrix: Groundwater

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4100**		25	20	ug/L		09/21/21 15:33	09/23/21 11:18	1
Antimony	ND		1.0	0.41	ug/L		09/21/21 15:33	09/23/21 11:18	1
Arsenic	ND		2.0	0.68	ug/L		09/21/21 15:33	09/23/21 11:18	1
Barium	**58**		2.0	0.75	ug/L		09/21/21 15:33	09/23/21 11:18	1
Beryllium	ND		0.50	0.12	ug/L		09/21/21 15:33	09/23/21 11:18	1
Cadmium	ND		0.50	0.15	ug/L		09/21/21 15:33	09/23/21 11:18	1
Calcium	**8700**		100	74	ug/L		09/21/21 15:33	09/23/21 11:18	1
Chromium	**2.5**		2.0	0.33	ug/L		09/21/21 15:33	09/23/21 11:18	1
Cobalt	**6.2**		0.50	0.16	ug/L		09/21/21 15:33	09/23/21 11:18	1
Copper	**1.9**		1.0	0.36	ug/L		09/21/21 15:33	09/27/21 09:27	1
Iron	**2700**		50	23	ug/L		09/21/21 15:33	09/23/21 11:18	1
Lead	**2.1**		0.50	0.071	ug/L		09/21/21 15:33	09/23/21 11:18	1
Magnesium	**4100**		50	10	ug/L		09/21/21 15:33	09/23/21 11:18	1
Manganese	**71**		2.0	0.63	ug/L		09/21/21 15:33	09/23/21 11:18	1
Nickel	**4.9**		1.0	0.60	ug/L		09/21/21 15:33	09/23/21 11:18	1
Potassium	**25000**		200	110	ug/L		09/21/21 15:33	09/23/21 11:18	1
Selenium	ND		1.0	0.28	ug/L		09/21/21 15:33	09/23/21 11:18	1
Silver	ND		0.50	0.17	ug/L		09/21/21 15:33	09/23/21 11:18	1
Sodium	**19000**		200	50	ug/L		09/21/21 15:33	09/23/21 11:18	1
Thallium	**0.13**	**J**	0.50	0.13	ug/L		09/21/21 15:33	09/23/21 11:18	1
Zinc	ND		10	6.2	ug/L		09/21/21 15:33	09/23/21 11:18	1
Vanadium	**4.0**		4.0	0.79	ug/L		09/21/21 15:33	09/27/21 09:27	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		26	20	ug/L		09/21/21 20:39	09/22/21 13:16	1
Antimony	ND		1.0	0.42	ug/L		09/21/21 20:39	09/22/21 13:16	1
Arsenic	ND		2.1	0.70	ug/L		09/21/21 20:39	09/22/21 13:16	1
Barium	**51**		2.1	0.77	ug/L		09/21/21 20:39	09/22/21 13:16	1
Beryllium	ND		0.52	0.12	ug/L		09/21/21 20:39	09/22/21 13:16	1
Cadmium	ND		0.52	0.16	ug/L		09/21/21 20:39	09/22/21 13:16	1
Calcium	**8500**	**^2 ^3+**	100	76	ug/L		09/21/21 20:39	09/22/21 13:16	1
Chromium	ND		2.1	0.34	ug/L		09/21/21 20:39	09/22/21 13:16	1
Cobalt	**5.8**	**^2**	0.52	0.16	ug/L		09/21/21 20:39	09/22/21 13:16	1
Copper	**0.89**	**J**	1.0	0.37	ug/L		09/21/21 20:39	09/22/21 13:16	1
Iron	**1700**		52	23	ug/L		09/21/21 20:39	09/22/21 13:16	1
Lead	**0.13**	**J**	0.52	0.073	ug/L		09/21/21 20:39	09/22/21 13:16	1
Magnesium	**4100**	**^2**	52	11	ug/L		09/21/21 20:39	09/22/21 13:16	1
Manganese	**65**		2.1	0.65	ug/L		09/21/21 20:39	09/22/21 13:16	1
Nickel	**4.1**		1.0	0.62	ug/L		09/21/21 20:39	09/22/21 13:16	1
Potassium	**24000**		210	110	ug/L		09/21/21 20:39	09/22/21 13:16	1
Selenium	ND		1.0	0.29	ug/L		09/21/21 20:39	09/22/21 13:16	1
Silver	ND		0.52	0.18	ug/L		09/21/21 20:39	09/22/21 13:16	1
Sodium	**20000**	**^2**	210	52	ug/L		09/21/21 20:39	09/22/21 13:16	1
Thallium	**0.14**	**J**	0.52	0.13	ug/L		09/21/21 20:39	09/22/21 13:16	1
Zinc	ND		10	6.4	ug/L		09/21/21 20:39	09/22/21 13:16	1
Vanadium	ND		4.1	0.82	ug/L		09/21/21 20:39	09/22/21 13:16	1

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Client Sample ID: TMW-40913211000
Date Collected: 09/13/21 10:00
Date Received: 09/14/21 18:08

Lab Sample ID: 410-55708-4
Matrix: Groundwater

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.079	ug/L		09/21/21 16:01	09/22/21 22:49	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.079	ug/L		09/21/21 16:06	09/22/21 21:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	7500		200	80	ug/L			09/22/21 09:59	2

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Client Sample ID: TMW-50913211050
Date Collected: 09/13/21 10:50
Date Received: 09/14/21 18:08

Lab Sample ID: 410-55708-5
Matrix: Groundwater

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			09/23/21 15:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			09/23/21 15:41	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			09/23/21 15:41	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			09/23/21 15:41	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			09/23/21 15:41	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			09/23/21 15:41	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			09/23/21 15:41	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			09/23/21 15:41	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			09/23/21 15:41	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			09/23/21 15:41	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			09/23/21 15:41	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			09/23/21 15:41	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/L			09/23/21 15:41	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			09/23/21 15:41	1
2-Butanone	ND		10	0.50	ug/L			09/23/21 15:41	1
2-Hexanone	ND		10	0.40	ug/L			09/23/21 15:41	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			09/23/21 15:41	1
Acetone	**3.0**	**J**	20	0.70	ug/L			09/23/21 15:41	1
Benzene	ND		1.0	0.30	ug/L			09/23/21 15:41	1
Bromochloromethane	ND		5.0	0.20	ug/L			09/23/21 15:41	1
Bromodichloromethane	ND		1.0	0.20	ug/L			09/23/21 15:41	1
Bromoform	ND		4.0	1.0	ug/L			09/23/21 15:41	1
Bromomethane	ND		1.0	0.30	ug/L			09/23/21 15:41	1
Carbon disulfide	ND		5.0	0.30	ug/L			09/23/21 15:41	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			09/23/21 15:41	1
Chlorobenzene	ND		1.0	0.30	ug/L			09/23/21 15:41	1
Chloroethane	ND		1.0	0.20	ug/L			09/23/21 15:41	1
Chloroform	ND		1.0	0.30	ug/L			09/23/21 15:41	1
Chloromethane	ND	*+	1.0	0.20	ug/L			09/23/21 15:41	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			09/23/21 15:41	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			09/23/21 15:41	1
Cyclohexane	ND		5.0	1.0	ug/L			09/23/21 15:41	1
Dibromochloromethane	ND		1.0	0.20	ug/L			09/23/21 15:41	1
Dichlorodifluoromethane	ND	*+	1.0	0.20	ug/L			09/23/21 15:41	1
di-Isopropyl ether	ND		1.0	0.30	ug/L			09/23/21 15:41	1
Ethyl t-butyl ether	ND		1.0	0.30	ug/L			09/23/21 15:41	1
Ethylbenzene	ND		1.0	0.40	ug/L			09/23/21 15:41	1
Freon 113	ND		10	0.30	ug/L			09/23/21 15:41	1
Isopropylbenzene	ND		5.0	0.20	ug/L			09/23/21 15:41	1
m&p-Xylene	ND		5.0	2.0	ug/L			09/23/21 15:41	1
Methyl acetate	ND		5.0	0.30	ug/L			09/23/21 15:41	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			09/23/21 15:41	1
Methylcyclohexane	ND		5.0	0.50	ug/L			09/23/21 15:41	1
Methylene Chloride	ND		1.0	0.30	ug/L			09/23/21 15:41	1
Naphthalene	ND		5.0	1.0	ug/L			09/23/21 15:41	1
o-Xylene	ND		1.0	0.40	ug/L			09/23/21 15:41	1
Styrene	ND		5.0	0.30	ug/L			09/23/21 15:41	1
t-Amyl methyl ether	ND		5.0	0.80	ug/L			09/23/21 15:41	1
t-Butyl alcohol	ND		50	12	ug/L			09/23/21 15:41	1

Client Sample ID: TMW-50913211050
Date Collected: 09/13/21 10:50
Date Received: 09/14/21 18:08

Lab Sample ID: 410-55708-5
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.0	0.30	ug/L			09/23/21 15:41	1
Toluene	ND		1.0	0.20	ug/L			09/23/21 15:41	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			09/23/21 15:41	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			09/23/21 15:41	1
Trichloroethene	ND		1.0	0.30	ug/L			09/23/21 15:41	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/23/21 15:41	1
Vinyl chloride	ND		1.0	0.20	ug/L			09/23/21 15:41	1
Xylenes, Total	ND		1.0	0.40	ug/L			09/23/21 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*09/23/21 15:41*	*1*
4-Bromofluorobenzene (Surr)	*86*		*80 - 120*		*09/23/21 15:41*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*09/23/21 15:41*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/23/21 15:41*	*1*

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6700**		25	20	ug/L		09/21/21 15:33	09/23/21 11:23	1
Antimony	ND		1.0	0.41	ug/L		09/21/21 15:33	09/23/21 11:23	1
Arsenic	ND		2.0	0.68	ug/L		09/21/21 15:33	09/23/21 11:23	1
Barium	**48**		2.0	0.75	ug/L		09/21/21 15:33	09/23/21 11:23	1
Beryllium	**0.12**	**J**	0.50	0.12	ug/L		09/21/21 15:33	09/23/21 11:23	1
Cadmium	ND		0.50	0.15	ug/L		09/21/21 15:33	09/23/21 11:23	1
Calcium	**11000**		100	74	ug/L		09/21/21 15:33	09/23/21 11:23	1
Chromium	**4.3**		2.0	0.33	ug/L		09/21/21 15:33	09/23/21 11:23	1
Cobalt	**2.5**		0.50	0.16	ug/L		09/21/21 15:33	09/23/21 11:23	1
Copper	**1.9**		1.0	0.36	ug/L		09/21/21 15:33	09/27/21 09:29	1
Iron	**2100**		50	23	ug/L		09/21/21 15:33	09/23/21 11:23	1
Lead	**1.7**		0.50	0.071	ug/L		09/21/21 15:33	09/23/21 11:23	1
Magnesium	**4600**		50	10	ug/L		09/21/21 15:33	09/23/21 11:23	1
Manganese	**79**		2.0	0.63	ug/L		09/21/21 15:33	09/23/21 11:23	1
Nickel	**4.2**		1.0	0.60	ug/L		09/21/21 15:33	09/23/21 11:23	1
Potassium	**19000**		200	110	ug/L		09/21/21 15:33	09/23/21 11:23	1
Selenium	**0.86**	**J**	1.0	0.28	ug/L		09/21/21 15:33	09/23/21 11:23	1
Silver	ND		0.50	0.17	ug/L		09/21/21 15:33	09/23/21 11:23	1
Sodium	**43000**		200	50	ug/L		09/21/21 15:33	09/23/21 11:23	1
Thallium	ND		0.50	0.13	ug/L		09/21/21 15:33	09/23/21 11:23	1
Zinc	**15**		10	6.2	ug/L		09/21/21 15:33	09/23/21 11:23	1
Vanadium	**4.5**		4.0	0.79	ug/L		09/21/21 15:33	09/27/21 09:29	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**25**	**J**	26	20	ug/L		09/21/21 20:39	09/22/21 13:12	1
Antimony	ND		1.0	0.42	ug/L		09/21/21 20:39	09/22/21 13:12	1
Arsenic	ND		2.1	0.70	ug/L		09/21/21 20:39	09/22/21 13:12	1
Barium	**40**		2.1	0.77	ug/L		09/21/21 20:39	09/22/21 13:12	1
Beryllium	ND		0.52	0.12	ug/L		09/21/21 20:39	09/22/21 13:12	1
Cadmium	ND		0.52	0.16	ug/L		09/21/21 20:39	09/22/21 13:12	1
Calcium	**11000**	**^2 ^3+**	100	76	ug/L		09/21/21 20:39	09/22/21 13:12	1
Chromium	ND		2.1	0.34	ug/L		09/21/21 20:39	09/22/21 13:12	1

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Client Sample ID: TMW-50913211050
Date Collected: 09/13/21 10:50
Date Received: 09/14/21 18:08

Lab Sample ID: 410-55708-5
Matrix: Groundwater

Method: 6020A - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	2.5		0.52	0.16	ug/L		09/21/21 20:39	09/23/21 11:39	1
Copper	0.73	J	1.0	0.37	ug/L		09/21/21 20:39	09/22/21 13:12	1
Iron	750		52	23	ug/L		09/21/21 20:39	09/22/21 13:12	1
Lead	0.13	J	0.52	0.073	ug/L		09/21/21 20:39	09/22/21 13:12	1
Magnesium	4400	^2	52	11	ug/L		09/21/21 20:39	09/22/21 13:12	1
Manganese	79		2.1	0.65	ug/L		09/21/21 20:39	09/22/21 13:12	1
Nickel	2.1		1.0	0.62	ug/L		09/21/21 20:39	09/22/21 13:12	1
Potassium	18000		210	110	ug/L		09/21/21 20:39	09/22/21 13:12	1
Selenium	0.81	J	1.0	0.29	ug/L		09/21/21 20:39	09/22/21 13:12	1
Silver	ND		0.52	0.18	ug/L		09/21/21 20:39	09/22/21 13:12	1
Sodium	44000	^2	210	52	ug/L		09/21/21 20:39	09/22/21 13:12	1
Thallium	0.13	J	0.52	0.13	ug/L		09/21/21 20:39	09/22/21 13:12	1
Zinc	ND		10	6.4	ug/L		09/21/21 20:39	09/22/21 13:12	1
Vanadium	ND		4.1	0.82	ug/L		09/21/21 20:39	09/22/21 13:12	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.079	ug/L		09/21/21 16:01	09/22/21 22:47	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.079	ug/L		09/21/21 16:06	09/22/21 21:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	5300		200	80	ug/L			09/22/21 10:02	2

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Client Sample ID: TMW-60913211145
Date Collected: 09/13/21 11:45
Date Received: 09/14/21 18:08

Lab Sample ID: 410-55708-6
Matrix: Groundwater

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.021	0.0021	ug/L		09/20/21 21:15	09/21/21 14:55	1
alpha-BHC (1C)	ND		0.021	0.0031	ug/L		09/20/21 21:15	09/21/21 14:55	1
alpha-Chlordane (1C)	ND		0.021	0.0031	ug/L		09/20/21 21:15	09/21/21 14:55	1
beta-BHC (2C)	ND		0.021	0.0035	ug/L		09/20/21 21:15	09/21/21 14:55	1
delta-BHC (1C)	ND		0.021	0.0035	ug/L		09/20/21 21:15	09/21/21 14:55	1
Dieldrin (1C)	ND		0.031	0.0055	ug/L		09/20/21 21:15	09/21/21 14:55	1
Endosulfan I (1C)	ND		0.021	0.0045	ug/L		09/20/21 21:15	09/21/21 14:55	1
Endosulfan II (1C)	ND		0.042	0.016	ug/L		09/20/21 21:15	09/21/21 14:55	1
Endosulfan sulfate (1C)	ND		0.031	0.0060	ug/L		09/20/21 21:15	09/21/21 14:55	1
Endrin (1C)	ND		0.031	0.0084	ug/L		09/20/21 21:15	09/21/21 14:55	1
Endrin aldehyde (1C)	ND		0.10	0.021	ug/L		09/20/21 21:15	09/21/21 14:55	1
Endrin ketone (1C)	ND		0.031	0.0052	ug/L		09/20/21 21:15	09/21/21 14:55	1
gamma-BHC (Lindane) (1C)	ND		0.021	0.0021	ug/L		09/20/21 21:15	09/21/21 14:55	1
gamma-Chlordane (1C)	ND		0.042	0.0073	ug/L		09/20/21 21:15	09/21/21 14:55	1
Heptachlor (1C)	ND		0.021	0.0021	ug/L		09/20/21 21:15	09/21/21 14:55	1
Heptachlor epoxide (1C)	ND		0.021	0.0024	ug/L		09/20/21 21:15	09/21/21 14:55	1
Methoxychlor (1C)	ND		0.11	0.031	ug/L		09/20/21 21:15	09/21/21 14:55	1
Toxaphene (1C)	ND		1.0	0.31	ug/L		09/20/21 21:15	09/21/21 14:55	1
p,p'-DDD (1C)	ND		0.031	0.0052	ug/L		09/20/21 21:15	09/21/21 14:55	1
p,p'-DDE (1C)	ND		0.031	0.0052	ug/L		09/20/21 21:15	09/21/21 14:55	1
p,p'-DDT (1C)	ND		0.031	0.0054	ug/L		09/20/21 21:15	09/21/21 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*52*		*32 - 149*	*09/20/21 21:15*	*09/21/21 14:55*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*54*		*32 - 149*	*09/20/21 21:15*	*09/21/21 14:55*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*85*		*29 - 129*	*09/20/21 21:15*	*09/21/21 14:55*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*81*		*29 - 129*	*09/20/21 21:15*	*09/21/21 14:55*	*1*

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9200**		25	20	ug/L		09/21/21 15:33	09/23/21 11:27	1
Antimony	ND		1.0	0.41	ug/L		09/21/21 15:33	09/23/21 11:27	1
Arsenic	**1.1**	**J**	2.0	0.68	ug/L		09/21/21 15:33	09/23/21 11:27	1
Barium	**45**		2.0	0.75	ug/L		09/21/21 15:33	09/23/21 11:27	1
Beryllium	**0.66**		0.50	0.12	ug/L		09/21/21 15:33	09/23/21 11:27	1
Cadmium	ND		0.50	0.15	ug/L		09/21/21 15:33	09/23/21 11:27	1
Calcium	**8200**		100	74	ug/L		09/21/21 15:33	09/23/21 11:27	1
Chromium	**9.4**		2.0	0.33	ug/L		09/21/21 15:33	09/23/21 11:27	1
Cobalt	**6.0**		0.50	0.16	ug/L		09/21/21 15:33	09/23/21 11:27	1
Copper	**3.9**		1.0	0.36	ug/L		09/21/21 15:33	09/27/21 09:31	1
Iron	**3800**		50	23	ug/L		09/21/21 15:33	09/23/21 11:27	1
Lead	**2.9**		0.50	0.071	ug/L		09/21/21 15:33	09/23/21 11:27	1
Magnesium	**3500**		50	10	ug/L		09/21/21 15:33	09/23/21 11:27	1
Manganese	**190**		2.0	0.63	ug/L		09/21/21 15:33	09/23/21 11:27	1
Nickel	**7.7**		1.0	0.60	ug/L		09/21/21 15:33	09/23/21 11:27	1
Potassium	**18000**		200	110	ug/L		09/21/21 15:33	09/23/21 11:27	1
Selenium	**1.1**		1.0	0.28	ug/L		09/21/21 15:33	09/23/21 11:27	1
Silver	ND		0.50	0.17	ug/L		09/21/21 15:33	09/23/21 11:27	1
Sodium	**34000**		200	50	ug/L		09/21/21 15:33	09/23/21 11:27	1
Thallium	ND		0.50	0.13	ug/L		09/21/21 15:33	09/23/21 11:27	1

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Client Sample ID: TMW-60913211145
Date Collected: 09/13/21 11:45
Date Received: 09/14/21 18:08

Lab Sample ID: 410-55708-6
Matrix: Groundwater

Method: 6020A - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	23		10	6.2	ug/L		09/21/21 15:33	09/23/21 11:27	1
Vanadium	14		4.0	0.79	ug/L		09/21/21 15:33	09/27/21 09:31	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	140		26	20	ug/L		09/21/21 20:39	09/22/21 13:14	1
Antimony	ND		1.0	0.42	ug/L		09/21/21 20:39	09/22/21 13:14	1
Arsenic	ND		2.1	0.70	ug/L		09/21/21 20:39	09/22/21 13:14	1
Barium	36		2.1	0.77	ug/L		09/21/21 20:39	09/22/21 13:14	1
Beryllium	0.44	J	0.52	0.12	ug/L		09/21/21 20:39	09/22/21 13:14	1
Cadmium	ND		0.52	0.16	ug/L		09/21/21 20:39	09/22/21 13:14	1
Calcium	8100	^2 ^3+	100	76	ug/L		09/21/21 20:39	09/22/21 13:14	1
Chromium	0.46	J	2.1	0.34	ug/L		09/21/21 20:39	09/22/21 13:14	1
Cobalt	5.4	^2	0.52	0.16	ug/L		09/21/21 20:39	09/22/21 13:14	1
Copper	2.3		1.0	0.37	ug/L		09/21/21 20:39	09/22/21 13:14	1
Iron	1700		52	23	ug/L		09/21/21 20:39	09/22/21 13:14	1
Lead	0.40	J	0.52	0.073	ug/L		09/21/21 20:39	09/22/21 13:14	1
Magnesium	3400	^2	52	11	ug/L		09/21/21 20:39	09/22/21 13:14	1
Manganese	180		2.1	0.65	ug/L		09/21/21 20:39	09/22/21 13:14	1
Nickel	5.1		1.0	0.62	ug/L		09/21/21 20:39	09/22/21 13:14	1
Potassium	17000		210	110	ug/L		09/21/21 20:39	09/22/21 13:14	1
Selenium	1.2		1.0	0.29	ug/L		09/21/21 20:39	09/22/21 13:14	1
Silver	ND		0.52	0.18	ug/L		09/21/21 20:39	09/22/21 13:14	1
Sodium	36000	^2	210	52	ug/L		09/21/21 20:39	09/22/21 13:14	1
Thallium	0.13	J	0.52	0.13	ug/L		09/21/21 20:39	09/22/21 13:14	1
Zinc	18		10	6.4	ug/L		09/21/21 20:39	09/22/21 13:14	1
Vanadium	ND		4.1	0.82	ug/L		09/21/21 20:39	09/22/21 13:14	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.085	J	0.20	0.079	ug/L		09/21/21 16:01	09/22/21 22:45	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.093	J	0.20	0.079	ug/L		09/21/21 16:06	09/22/21 21:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	10000		500	200	ug/L			09/22/21 10:01	5

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Client Sample ID: TB0913211130
Date Collected: 09/13/21 16:30
Date Received: 09/14/21 18:08

Lab Sample ID: 410-55708-7
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			09/22/21 12:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			09/22/21 12:51	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			09/22/21 12:51	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			09/22/21 12:51	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			09/22/21 12:51	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			09/22/21 12:51	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			09/22/21 12:51	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			09/22/21 12:51	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			09/22/21 12:51	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			09/22/21 12:51	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			09/22/21 12:51	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			09/22/21 12:51	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/L			09/22/21 12:51	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			09/22/21 12:51	1
2-Butanone	ND		10	0.50	ug/L			09/22/21 12:51	1
2-Hexanone	ND		10	0.40	ug/L			09/22/21 12:51	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			09/22/21 12:51	1
Acetone	ND		20	0.70	ug/L			09/22/21 12:51	1
Benzene	ND		1.0	0.30	ug/L			09/22/21 12:51	1
Bromochloromethane	ND		5.0	0.20	ug/L			09/22/21 12:51	1
Bromodichloromethane	ND		1.0	0.20	ug/L			09/22/21 12:51	1
Bromoform	ND		4.0	1.0	ug/L			09/22/21 12:51	1
Bromomethane	ND		1.0	0.30	ug/L			09/22/21 12:51	1
Carbon disulfide	ND		5.0	0.30	ug/L			09/22/21 12:51	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			09/22/21 12:51	1
Chlorobenzene	ND		1.0	0.30	ug/L			09/22/21 12:51	1
Chloroethane	ND		1.0	0.20	ug/L			09/22/21 12:51	1
Chloroform	ND		1.0	0.30	ug/L			09/22/21 12:51	1
Chloromethane	ND	*+	1.0	0.20	ug/L			09/22/21 12:51	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			09/22/21 12:51	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			09/22/21 12:51	1
Cyclohexane	ND		5.0	1.0	ug/L			09/22/21 12:51	1
Dibromochloromethane	ND		1.0	0.20	ug/L			09/22/21 12:51	1
Dichlorodifluoromethane	ND	*+	1.0	0.20	ug/L			09/22/21 12:51	1
di-Isopropyl ether	ND		1.0	0.30	ug/L			09/22/21 12:51	1
Ethyl t-butyl ether	ND		1.0	0.30	ug/L			09/22/21 12:51	1
Ethylbenzene	ND		1.0	0.40	ug/L			09/22/21 12:51	1
Freon 113	ND		10	0.30	ug/L			09/22/21 12:51	1
Isopropylbenzene	ND		5.0	0.20	ug/L			09/22/21 12:51	1
m&p-Xylene	ND		5.0	2.0	ug/L			09/22/21 12:51	1
Methyl acetate	ND		5.0	0.30	ug/L			09/22/21 12:51	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			09/22/21 12:51	1
Methylcyclohexane	ND		5.0	0.50	ug/L			09/22/21 12:51	1
Methylene Chloride	ND		1.0	0.30	ug/L			09/22/21 12:51	1
Naphthalene	ND		5.0	1.0	ug/L			09/22/21 12:51	1
o-Xylene	ND		1.0	0.40	ug/L			09/22/21 12:51	1
Styrene	ND		5.0	0.30	ug/L			09/22/21 12:51	1
t-Amyl methyl ether	ND		5.0	0.80	ug/L			09/22/21 12:51	1
t-Butyl alcohol	ND		50	12	ug/L			09/22/21 12:51	1

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Client Sample ID: TB0913211130
Date Collected: 09/13/21 16:30
Date Received: 09/14/21 18:08

Lab Sample ID: 410-55708-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.0	0.30	ug/L			09/22/21 12:51	1
Toluene	ND		1.0	0.20	ug/L			09/22/21 12:51	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			09/22/21 12:51	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			09/22/21 12:51	1
Trichloroethene	ND		1.0	0.30	ug/L			09/22/21 12:51	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/22/21 12:51	1
Vinyl chloride	ND		1.0	0.20	ug/L			09/22/21 12:51	1
Xylenes, Total	ND		1.0	0.40	ug/L			09/22/21 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*09/22/21 12:51*	*1*
4-Bromofluorobenzene (Surr)	*86*		*80 - 120*		*09/22/21 12:51*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*09/22/21 12:51*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/22/21 12:51*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		50	23	ug/L			09/21/21 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*100*		*63 - 135*		*09/21/21 15:28*	*1*

Surrogate Summary

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Groundwater — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-55708-1	TMW-10913211150	108	86	102	96
410-55708-2	TMW-20913211540	105	88	98	97
410-55708-3	TMW-30913211310	107	86	103	97
410-55708-5	TMW-50913211050	102	86	101	97

Surrogate Legend

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

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-55708-7	TB0913211130	108	86	103	96
LCS 410-174023/4	Lab Control Sample	104	95	98	99
LCS 410-174521/4	Lab Control Sample	105	94	97	100
LCSD 410-174023/5	Lab Control Sample Dup	98	94	96	99
MB 410-174023/7	Method Blank	107	88	101	97
MB 410-174521/6	Method Blank	108	86	97	96

Surrogate Legend

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

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Matrix: Groundwater — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		TFT-F1
Lab Sample ID	Client Sample ID	(63-135)
410-55708-1	TMW-10913211150	98
410-55708-2	TMW-20913211540	99
410-55708-3	TMW-30913211310	100

Surrogate Legend

TFT-F = a,a,a-Trifluorotoluene (fid)

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		TFT-F1
Lab Sample ID	Client Sample ID	(63-135)
410-55708-7	TB0913211130	100
LCS 410-173698/5	Lab Control Sample	94
LCSD 410-173698/6	Lab Control Sample Dup	93

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics) (Continued)

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

		Percent Surrogate Recovery (Acceptance Limits)							
		TFT-F1							
Lab Sample ID	Client Sample ID	(63-135)							
MB 410-173698/4	Method Blank	99							

Surrogate Legend

TFT-F = a,a,a-Trifluorotoluene (fid)

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

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

		Percent Surrogate Recovery (Acceptance Limits)							
		OTP1							
Lab Sample ID	Client Sample ID	(48-113)							
410-55708-1	TMW-10913211150	90							
410-55708-2	TMW-20913211540	95							
410-55708-3	TMW-30913211310	90							

Surrogate Legend

OTP = o- terphenyl (Surr)

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

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

		Percent Surrogate Recovery (Acceptance Limits)							
		OTP1							
Lab Sample ID	Client Sample ID	(48-113)							
LCS 410-174001/2-A	Lab Control Sample	92							
LCSD 410-174001/3-A	Lab Control Sample Dup	93							
MB 410-174001/1-A	Method Blank	83							

Surrogate Legend

OTP = o- terphenyl (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)							
		DCB1	DCB2	TCX1	TCX2				
Lab Sample ID	Client Sample ID	(32-149)	(32-149)	(29-129)	(29-129)				
410-55708-6	TMW-60913211145	52	54	85	81				

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)							
		DCB1	DCB2	TCX1	TCX2				
Lab Sample ID	Client Sample ID	(32-149)	(32-149)	(29-129)	(29-129)				
LCS 410-173434/2-A	Lab Control Sample	92	82	93	88				
LCSD 410-173434/3-A	Lab Control Sample Dup	84	79	71	69				
MB 410-173434/1-A	Method Blank	65	61	81	83				

Surrogate Summary

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-174023/7
Matrix: Water
Analysis Batch: 174023

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			09/22/21 12:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			09/22/21 12:28	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			09/22/21 12:28	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			09/22/21 12:28	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			09/22/21 12:28	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			09/22/21 12:28	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			09/22/21 12:28	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			09/22/21 12:28	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			09/22/21 12:28	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			09/22/21 12:28	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			09/22/21 12:28	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			09/22/21 12:28	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/L			09/22/21 12:28	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			09/22/21 12:28	1
2-Butanone	ND		10	0.50	ug/L			09/22/21 12:28	1
2-Hexanone	ND		10	0.40	ug/L			09/22/21 12:28	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			09/22/21 12:28	1
Acetone	ND		20	0.70	ug/L			09/22/21 12:28	1
Benzene	ND		1.0	0.30	ug/L			09/22/21 12:28	1
Bromochloromethane	ND		5.0	0.20	ug/L			09/22/21 12:28	1
Bromodichloromethane	ND		1.0	0.20	ug/L			09/22/21 12:28	1
Bromoform	ND		4.0	1.0	ug/L			09/22/21 12:28	1
Bromomethane	ND		1.0	0.30	ug/L			09/22/21 12:28	1
Carbon disulfide	ND		5.0	0.30	ug/L			09/22/21 12:28	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			09/22/21 12:28	1
Chlorobenzene	ND		1.0	0.30	ug/L			09/22/21 12:28	1
Chloroethane	ND		1.0	0.20	ug/L			09/22/21 12:28	1
Chloroform	ND		1.0	0.30	ug/L			09/22/21 12:28	1
Chloromethane	ND		1.0	0.20	ug/L			09/22/21 12:28	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			09/22/21 12:28	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			09/22/21 12:28	1
Cyclohexane	ND		5.0	1.0	ug/L			09/22/21 12:28	1
Dibromochloromethane	ND		1.0	0.20	ug/L			09/22/21 12:28	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			09/22/21 12:28	1
di-Isopropyl ether	ND		1.0	0.30	ug/L			09/22/21 12:28	1
Ethyl t-butyl ether	ND		1.0	0.30	ug/L			09/22/21 12:28	1
Ethylbenzene	ND		1.0	0.40	ug/L			09/22/21 12:28	1
Freon 113	ND		10	0.30	ug/L			09/22/21 12:28	1
Isopropylbenzene	ND		5.0	0.20	ug/L			09/22/21 12:28	1
m&p-Xylene	ND		5.0	2.0	ug/L			09/22/21 12:28	1
Methyl acetate	ND		5.0	0.30	ug/L			09/22/21 12:28	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			09/22/21 12:28	1
Methylcyclohexane	ND		5.0	0.50	ug/L			09/22/21 12:28	1
Methylene Chloride	ND		1.0	0.30	ug/L			09/22/21 12:28	1
Naphthalene	ND		5.0	1.0	ug/L			09/22/21 12:28	1
o-Xylene	ND		1.0	0.40	ug/L			09/22/21 12:28	1
Styrene	ND		5.0	0.30	ug/L			09/22/21 12:28	1
t-Amyl methyl ether	ND		5.0	0.80	ug/L			09/22/21 12:28	1

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

Lab Sample ID: MB 410-174023/7
Matrix: Water
Analysis Batch: 174023

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Butyl alcohol	ND		50	12	ug/L			09/22/21 12:28	1
Tetrachloroethene	ND		1.0	0.30	ug/L			09/22/21 12:28	1
Toluene	ND		1.0	0.20	ug/L			09/22/21 12:28	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			09/22/21 12:28	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			09/22/21 12:28	1
Trichloroethene	ND		1.0	0.30	ug/L			09/22/21 12:28	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/22/21 12:28	1
Vinyl chloride	ND		1.0	0.20	ug/L			09/22/21 12:28	1
Xylenes, Total	ND		1.0	0.40	ug/L			09/22/21 12:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*09/22/21 12:28*	*1*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*09/22/21 12:28*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*09/22/21 12:28*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/22/21 12:28*	*1*

Lab Sample ID: LCS 410-174023/4
Matrix: Water
Analysis Batch: 174023

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	18.0		ug/L		90	67 - 126
1,1,2,2-Tetrachloroethane	20.0	19.9		ug/L		100	72 - 120
1,1,2-Trichloroethane	20.0	20.4		ug/L		102	80 - 120
1,1-Dichloroethane	20.0	20.3		ug/L		101	80 - 120
1,1-Dichloroethene	20.0	22.5		ug/L		113	80 - 131
1,2,3-Trichlorobenzene	20.0	22.7		ug/L		113	66 - 120
1,2,4-Trichlorobenzene	20.0	24.0		ug/L		120	63 - 120
1,2-Dibromo-3-Chloropropane	20.0	15.6		ug/L		78	47 - 131
1,2-Dibromoethane	20.0	19.9		ug/L		99	77 - 120
1,2-Dichlorobenzene	20.0	21.4		ug/L		107	80 - 120
1,2-Dichloroethane	20.0	19.0		ug/L		95	73 - 124
1,2-Dichloropropane	20.0	21.4		ug/L		107	80 - 120
1,3-Dichlorobenzene	20.0	21.3		ug/L		106	80 - 120
1,4-Dichlorobenzene	20.0	21.7		ug/L		109	80 - 120
2-Butanone	250	287		ug/L		115	59 - 135
2-Hexanone	250	257		ug/L		103	56 - 135
4-Methyl-2-pentanone	250	258		ug/L		103	62 - 133
Acetone	250	285		ug/L		114	54 - 157
Benzene	20.0	21.6		ug/L		108	80 - 120
Bromochloromethane	20.0	22.4		ug/L		112	80 - 120
Bromodichloromethane	20.0	19.3		ug/L		96	71 - 120
Bromoform	20.0	17.8		ug/L		89	51 - 120
Bromomethane	20.0	20.3		ug/L		101	53 - 128
Carbon disulfide	20.0	19.4		ug/L		97	65 - 128
Carbon tetrachloride	20.0	17.7		ug/L		89	64 - 134
Chlorobenzene	20.0	20.6		ug/L		103	80 - 120
Chloroethane	20.0	20.8		ug/L		104	55 - 123

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

Lab Sample ID: LCS 410-174023/4
Matrix: Water
Analysis Batch: 174023

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	20.0	19.8		ug/L		99	80 - 120
Chloromethane	20.0	24.8	*+	ug/L		124	56 - 121
cis-1,2-Dichloroethene	20.0	21.0		ug/L		105	80 - 125
cis-1,3-Dichloropropene	20.0	19.3		ug/L		96	75 - 120
Cyclohexane	20.0	18.5		ug/L		93	68 - 126
Dibromochloromethane	20.0	18.5		ug/L		93	71 - 120
Dichlorodifluoromethane	20.0	25.8	*+	ug/L		129	41 - 127
di-Isopropyl ether	20.0	19.6		ug/L		98	70 - 124
Ethyl t-butyl ether	20.0	17.8		ug/L		89	68 - 121
Ethylbenzene	20.0	20.2		ug/L		101	80 - 120
Freon 113	20.0	21.7		ug/L		108	73 - 139
Isopropylbenzene	20.0	21.1		ug/L		106	80 - 120
m&p-Xylene	40.0	41.9		ug/L		105	80 - 120
Methyl acetate	20.0	21.1		ug/L		106	54 - 136
Methyl tertiary butyl ether	20.0	18.3		ug/L		92	69 - 122
Methylcyclohexane	20.0	23.4		ug/L		117	67 - 121
Methylene Chloride	20.0	21.6		ug/L		108	80 - 120
Naphthalene	20.0	18.9		ug/L		95	53 - 124
o-Xylene	20.0	19.8		ug/L		99	80 - 120
Styrene	20.0	19.2		ug/L		96	80 - 120
t-Amyl methyl ether	20.0	17.9		ug/L		90	66 - 120
t-Butyl alcohol	200	205		ug/L		103	60 - 130
Tetrachloroethene	20.0	21.0		ug/L		105	80 - 120
Toluene	20.0	20.8		ug/L		104	80 - 120
trans-1,2-Dichloroethene	20.0	20.5		ug/L		103	80 - 126
trans-1,3-Dichloropropene	20.0	18.2		ug/L		91	67 - 120
Trichloroethene	20.0	20.3		ug/L		101	80 - 120
Trichlorofluoromethane	20.0	22.1		ug/L		110	55 - 135
Vinyl chloride	20.0	23.1		ug/L		115	56 - 120
Xylenes, Total	60.0	61.7		ug/L		103	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 410-174023/5
Matrix: Water
Analysis Batch: 174023

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	17.8		ug/L		89	67 - 126	1	30
1,1,2,2-Tetrachloroethane	20.0	19.6		ug/L		98	72 - 120	2	30
1,1,2-Trichloroethane	20.0	20.0		ug/L		100	80 - 120	2	30
1,1-Dichloroethane	20.0	19.9		ug/L		99	80 - 120	2	30
1,1-Dichloroethene	20.0	21.6		ug/L		108	80 - 131	4	30
1,2,3-Trichlorobenzene	20.0	21.8		ug/L		109	66 - 120	4	30

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

Lab Sample ID: LCSD 410-174023/5
Matrix: Water
Analysis Batch: 174023

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	20.0	22.8		ug/L		114	63 - 120	5	30
1,2-Dibromo-3-Chloropropane	20.0	15.0		ug/L		75	47 - 131	4	30
1,2-Dibromoethane	20.0	19.5		ug/L		97	77 - 120	2	30
1,2-Dichlorobenzene	20.0	21.2		ug/L		106	80 - 120	1	30
1,2-Dichloroethane	20.0	17.9		ug/L		89	73 - 124	6	30
1,2-Dichloropropane	20.0	20.5		ug/L		102	80 - 120	4	30
1,3-Dichlorobenzene	20.0	21.3		ug/L		107	80 - 120	0	30
1,4-Dichlorobenzene	20.0	21.0		ug/L		105	80 - 120	3	30
2-Butanone	250	262		ug/L		105	59 - 135	9	30
2-Hexanone	250	243		ug/L		97	56 - 135	6	30
4-Methyl-2-pentanone	250	237		ug/L		95	62 - 133	9	30
Acetone	250	288		ug/L		115	54 - 157	1	30
Benzene	20.0	21.1		ug/L		106	80 - 120	2	30
Bromochloromethane	20.0	20.8		ug/L		104	80 - 120	7	30
Bromodichloromethane	20.0	18.6		ug/L		93	71 - 120	3	30
Bromoform	20.0	17.9		ug/L		90	51 - 120	1	30
Bromomethane	20.0	20.6		ug/L		103	53 - 128	1	30
Carbon disulfide	20.0	18.6		ug/L		93	65 - 128	4	30
Carbon tetrachloride	20.0	17.1		ug/L		86	64 - 134	3	30
Chlorobenzene	20.0	20.4		ug/L		102	80 - 120	1	30
Chloroethane	20.0	20.7		ug/L		104	55 - 123	0	30
Chloroform	20.0	19.4		ug/L		97	80 - 120	2	30
Chloromethane	20.0	24.4	*+	ug/L		122	56 - 121	2	30
cis-1,2-Dichloroethene	20.0	21.3		ug/L		106	80 - 125	2	30
cis-1,3-Dichloropropene	20.0	18.6		ug/L		93	75 - 120	4	30
Cyclohexane	20.0	20.5		ug/L		103	68 - 126	10	30
Dibromochloromethane	20.0	18.2		ug/L		91	71 - 120	2	30
Dichlorodifluoromethane	20.0	26.9	*+	ug/L		134	41 - 127	4	30
di-Isopropyl ether	20.0	19.0		ug/L		95	70 - 124	3	30
Ethyl t-butyl ether	20.0	17.3		ug/L		87	68 - 121	3	30
Ethylbenzene	20.0	20.3		ug/L		101	80 - 120	1	30
Freon 113	20.0	21.5		ug/L		108	73 - 139	1	30
Isopropylbenzene	20.0	20.7		ug/L		103	80 - 120	2	30
m&p-Xylene	40.0	40.6		ug/L		102	80 - 120	3	30
Methyl acetate	20.0	18.0		ug/L		90	54 - 136	16	30
Methyl tertiary butyl ether	20.0	17.6		ug/L		88	69 - 122	4	30
Methylcyclohexane	20.0	23.5		ug/L		117	67 - 121	0	30
Methylene Chloride	20.0	21.2		ug/L		106	80 - 120	2	30
Naphthalene	20.0	17.9		ug/L		89	53 - 124	6	30
o-Xylene	20.0	19.7		ug/L		98	80 - 120	1	30
Styrene	20.0	19.4		ug/L		97	80 - 120	1	30
t-Amyl methyl ether	20.0	17.5		ug/L		88	66 - 120	2	30
t-Butyl alcohol	200	183		ug/L		92	60 - 130	11	30
Tetrachloroethene	20.0	21.0		ug/L		105	80 - 120	0	30
Toluene	20.0	20.7		ug/L		103	80 - 120	0	30
trans-1,2-Dichloroethene	20.0	20.3		ug/L		101	80 - 126	1	30
trans-1,3-Dichloropropene	20.0	17.9		ug/L		90	67 - 120	1	30
Trichloroethene	20.0	20.0		ug/L		100	80 - 120	1	30
Trichlorofluoromethane	20.0	23.4		ug/L		117	55 - 135	6	30

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

Lab Sample ID: LCSD 410-174023/5
Matrix: Water
Analysis Batch: 174023

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl chloride			20.0	22.5		ug/L		112	56 - 120	3	30
Xylenes, Total			60.0	60.3		ug/L		101	80 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 410-174521/6
Matrix: Water
Analysis Batch: 174521

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			09/23/21 10:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			09/23/21 10:53	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			09/23/21 10:53	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			09/23/21 10:53	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			09/23/21 10:53	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			09/23/21 10:53	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			09/23/21 10:53	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			09/23/21 10:53	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			09/23/21 10:53	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			09/23/21 10:53	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			09/23/21 10:53	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			09/23/21 10:53	1
1,3-Dichlorobenzene	ND		5.0	0.30	ug/L			09/23/21 10:53	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			09/23/21 10:53	1
2-Butanone	ND		10	0.50	ug/L			09/23/21 10:53	1
2-Hexanone	ND		10	0.40	ug/L			09/23/21 10:53	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			09/23/21 10:53	1
Acetone	ND		20	0.70	ug/L			09/23/21 10:53	1
Benzene	ND		1.0	0.30	ug/L			09/23/21 10:53	1
Bromochloromethane	ND		5.0	0.20	ug/L			09/23/21 10:53	1
Bromodichloromethane	ND		1.0	0.20	ug/L			09/23/21 10:53	1
Bromoform	ND		4.0	1.0	ug/L			09/23/21 10:53	1
Bromomethane	ND		1.0	0.30	ug/L			09/23/21 10:53	1
Carbon disulfide	ND		5.0	0.30	ug/L			09/23/21 10:53	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			09/23/21 10:53	1
Chlorobenzene	ND		1.0	0.30	ug/L			09/23/21 10:53	1
Chloroethane	ND		1.0	0.20	ug/L			09/23/21 10:53	1
Chloroform	ND		1.0	0.30	ug/L			09/23/21 10:53	1
Chloromethane	ND		1.0	0.20	ug/L			09/23/21 10:53	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			09/23/21 10:53	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			09/23/21 10:53	1
Cyclohexane	ND		5.0	1.0	ug/L			09/23/21 10:53	1
Dibromochloromethane	ND		1.0	0.20	ug/L			09/23/21 10:53	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			09/23/21 10:53	1

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

Lab Sample ID: MB 410-174521/6
Matrix: Water
Analysis Batch: 174521

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
di-Isopropyl ether	ND		1.0	0.30	ug/L			09/23/21 10:53	1
Ethyl t-butyl ether	ND		1.0	0.30	ug/L			09/23/21 10:53	1
Ethylbenzene	ND		1.0	0.40	ug/L			09/23/21 10:53	1
Freon 113	ND		10	0.30	ug/L			09/23/21 10:53	1
Isopropylbenzene	ND		5.0	0.20	ug/L			09/23/21 10:53	1
m&p-Xylene	ND		5.0	2.0	ug/L			09/23/21 10:53	1
Methyl acetate	ND		5.0	0.30	ug/L			09/23/21 10:53	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			09/23/21 10:53	1
Methylcyclohexane	ND		5.0	0.50	ug/L			09/23/21 10:53	1
Methylene Chloride	ND		1.0	0.30	ug/L			09/23/21 10:53	1
Naphthalene	ND		5.0	1.0	ug/L			09/23/21 10:53	1
o-Xylene	ND		1.0	0.40	ug/L			09/23/21 10:53	1
Styrene	ND		5.0	0.30	ug/L			09/23/21 10:53	1
t-Amyl methyl ether	ND		5.0	0.80	ug/L			09/23/21 10:53	1
t-Butyl alcohol	ND		50	12	ug/L			09/23/21 10:53	1
Tetrachloroethene	ND		1.0	0.30	ug/L			09/23/21 10:53	1
Toluene	ND		1.0	0.20	ug/L			09/23/21 10:53	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			09/23/21 10:53	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			09/23/21 10:53	1
Trichloroethene	ND		1.0	0.30	ug/L			09/23/21 10:53	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/23/21 10:53	1
Vinyl chloride	ND		1.0	0.20	ug/L			09/23/21 10:53	1
Xylenes, Total	ND		1.0	0.40	ug/L			09/23/21 10:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*09/23/21 10:53*	*1*
4-Bromofluorobenzene (Surr)	*86*		*80 - 120*		*09/23/21 10:53*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*09/23/21 10:53*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/23/21 10:53*	*1*

Lab Sample ID: LCS 410-174521/4
Matrix: Water
Analysis Batch: 174521

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	17.5		ug/L		88	67 - 126
1,1,2,2-Tetrachloroethane	20.0	19.7		ug/L		98	72 - 120
1,1,2-Trichloroethane	20.0	20.3		ug/L		102	80 - 120
1,1-Dichloroethane	20.0	19.7		ug/L		98	80 - 120
1,1-Dichloroethene	20.0	22.0		ug/L		110	80 - 131
1,2,3-Trichlorobenzene	20.0	22.3		ug/L		111	66 - 120
1,2,4-Trichlorobenzene	20.0	23.2		ug/L		116	63 - 120
1,2-Dibromo-3-Chloropropane	20.0	15.9		ug/L		80	47 - 131
1,2-Dibromoethane	20.0	19.9		ug/L		100	77 - 120
1,2-Dichlorobenzene	20.0	21.4		ug/L		107	80 - 120
1,2-Dichloroethane	20.0	17.9		ug/L		89	73 - 124
1,2-Dichloropropane	20.0	20.5		ug/L		102	80 - 120
1,3-Dichlorobenzene	20.0	21.3		ug/L		107	80 - 120

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

Lab Sample ID: LCS 410-174521/4
Matrix: Water
Analysis Batch: 174521

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	20.0	21.7		ug/L		109	80 - 120
2-Butanone	250	267		ug/L		107	59 - 135
2-Hexanone	250	258		ug/L		103	56 - 135
4-Methyl-2-pentanone	250	251		ug/L		100	62 - 133
Acetone	250	350		ug/L		140	54 - 157
Benzene	20.0	21.1		ug/L		106	80 - 120
Bromochloromethane	20.0	20.9		ug/L		104	80 - 120
Bromodichloromethane	20.0	19.0		ug/L		95	71 - 120
Bromoform	20.0	18.2		ug/L		91	51 - 120
Bromomethane	20.0	19.3		ug/L		96	53 - 128
Carbon disulfide	20.0	18.3		ug/L		91	65 - 128
Carbon tetrachloride	20.0	17.1		ug/L		86	64 - 134
Chlorobenzene	20.0	21.0		ug/L		105	80 - 120
Chloroethane	20.0	19.7		ug/L		98	55 - 123
Chloroform	20.0	19.2		ug/L		96	80 - 120
Chloromethane	20.0	24.4	*+	ug/L		122	56 - 121
cis-1,2-Dichloroethene	20.0	20.3		ug/L		102	80 - 125
cis-1,3-Dichloropropene	20.0	18.6		ug/L		93	75 - 120
Cyclohexane	20.0	20.2		ug/L		101	68 - 126
Dibromochloromethane	20.0	18.7		ug/L		93	71 - 120
Dichlorodifluoromethane	20.0	26.2	*+	ug/L		131	41 - 127
di-Isopropyl ether	20.0	19.3		ug/L		96	70 - 124
Ethyl t-butyl ether	20.0	17.1		ug/L		85	68 - 121
Ethylbenzene	20.0	20.3		ug/L		102	80 - 120
Freon 113	20.0	15.9		ug/L		80	73 - 139
Isopropylbenzene	20.0	20.8		ug/L		104	80 - 120
m&p-Xylene	40.0	41.1		ug/L		103	80 - 120
Methyl acetate	20.0	19.9		ug/L		99	54 - 136
Methyl tertiary butyl ether	20.0	18.2		ug/L		91	69 - 122
Methylcyclohexane	20.0	23.1		ug/L		115	67 - 121
Methylene Chloride	20.0	20.8		ug/L		104	80 - 120
Naphthalene	20.0	18.7		ug/L		93	53 - 124
o-Xylene	20.0	19.7		ug/L		98	80 - 120
Styrene	20.0	19.5		ug/L		98	80 - 120
t-Amyl methyl ether	20.0	16.9		ug/L		85	66 - 120
t-Butyl alcohol	200	218		ug/L		109	60 - 130
Tetrachloroethene	20.0	21.0		ug/L		105	80 - 120
Toluene	20.0	20.6		ug/L		103	80 - 120
trans-1,2-Dichloroethene	20.0	19.8		ug/L		99	80 - 126
trans-1,3-Dichloropropene	20.0	18.5		ug/L		92	67 - 120
Trichloroethene	20.0	19.9		ug/L		100	80 - 120
Trichlorofluoromethane	20.0	21.0		ug/L		105	55 - 135
Vinyl chloride	20.0	23.1		ug/L		116	56 - 120
Xylenes, Total	60.0	60.8		ug/L		101	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*

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

Lab Sample ID: LCS 410-174521/4
Matrix: Water
Analysis Batch: 174521

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Lab Sample ID: MB 410-173698/4
Matrix: Water
Analysis Batch: 173698

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		50	23	ug/L			09/21/21 14:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	*99*		*63 - 135*		*09/21/21 14:11*	*1*

Lab Sample ID: LCS 410-173698/5
Matrix: Water
Analysis Batch: 173698

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (1C)			1100	1030		ug/L		94	70 - 123		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene (fid) (1C)	*94*		*63 - 135*

Lab Sample ID: LCSD 410-173698/6
Matrix: Water
Analysis Batch: 173698

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (1C)			1100	1080		ug/L		98	70 - 123	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
a,a,a-Trifluorotoluene (fid) (1C)	*93*		*63 - 135*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Lab Sample ID: MB 410-174001/1-A
Matrix: Water
Analysis Batch: 174323

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 174001

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28) (1C)	ND		100	45	ug/L		09/22/21 09:19	09/22/21 21:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o- terphenyl (Surr) (1C)	*83*		*48 - 113*	*09/22/21 09:19*	*09/22/21 21:15*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics) (Continued)

Lab Sample ID: LCS 410-174001/2-A
Matrix: Water
Analysis Batch: 174323

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 174001

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
DRO (C10-C28) (1C)			600	427		ug/L		71	31 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o- terphenyl (Surr) (1C)	*92*		*48 - 113*

Lab Sample ID: LCSD 410-174001/3-A
Matrix: Water
Analysis Batch: 174323

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 174001

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
DRO (C10-C28) (1C)			600	437		ug/L		73	31 - 115	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o- terphenyl (Surr) (1C)	*93*		*48 - 113*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 410-173434/1-A
Matrix: Water
Analysis Batch: 173571

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 173434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		09/20/21 21:15	09/21/21 11:53	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		09/20/21 21:15	09/21/21 11:53	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		09/20/21 21:15	09/21/21 11:53	1
beta-BHC (2C)	ND		0.020	0.0034	ug/L		09/20/21 21:15	09/21/21 11:53	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		09/20/21 21:15	09/21/21 11:53	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		09/20/21 21:15	09/21/21 11:53	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		09/20/21 21:15	09/21/21 11:53	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		09/20/21 21:15	09/21/21 11:53	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		09/20/21 21:15	09/21/21 11:53	1
Endrin (1C)	ND		0.030	0.0081	ug/L		09/20/21 21:15	09/21/21 11:53	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		09/20/21 21:15	09/21/21 11:53	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		09/20/21 21:15	09/21/21 11:53	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		09/20/21 21:15	09/21/21 11:53	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		09/20/21 21:15	09/21/21 11:53	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		09/20/21 21:15	09/21/21 11:53	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		09/20/21 21:15	09/21/21 11:53	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		09/20/21 21:15	09/21/21 11:53	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		09/20/21 21:15	09/21/21 11:53	1
p,p'-DDD (1C)	ND		0.030	0.0050	ug/L		09/20/21 21:15	09/21/21 11:53	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		09/20/21 21:15	09/21/21 11:53	1
p,p'-DDT (1C)	ND		0.030	0.0052	ug/L		09/20/21 21:15	09/21/21 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*65*		*32 - 149*	*09/20/21 21:15*	*09/21/21 11:53*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 410-173434/1-A
Matrix: Water
Analysis Batch: 173571

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 173434

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (2C)	61		32 - 149	09/20/21 21:15	09/21/21 11:53	1
Tetrachloro-m-xylene (Surr) (1C)	81		29 - 129	09/20/21 21:15	09/21/21 11:53	1
Tetrachloro-m-xylene (Surr) (2C)	83		29 - 129	09/20/21 21:15	09/21/21 11:53	1

Lab Sample ID: LCS 410-173434/2-A
Matrix: Water
Analysis Batch: 173571

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 173434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin (1C)	0.101	0.0761		ug/L		75	28 - 119
alpha-BHC (1C)	0.101	0.0985		ug/L		97	47 - 132
beta-BHC (1C)	0.100	0.103		ug/L		103	27 - 143
delta-BHC (1C)	0.100	0.0978		ug/L		98	28 - 141
Dieldrin (1C)	0.200	0.202		ug/L		101	31 - 145
Endosulfan I (1C)	0.101	0.0944		ug/L		93	40 - 138
Endosulfan II (2C)	0.201	0.201		ug/L		100	27 - 138
Endosulfan sulfate (1C)	0.201	0.198		ug/L		98	41 - 133
Endrin (2C)	0.200	0.200		ug/L		100	35 - 143
Endrin aldehyde (2C)	0.201	0.174		ug/L		87	40 - 135
Endrin ketone (2C)	0.200	0.219		ug/L		110	44 - 136
gamma-BHC (Lindane) (1C)	0.100	0.0942		ug/L		94	29 - 136
Heptachlor (2C)	0.101	0.0865		ug/L		85	38 - 135
Heptachlor epoxide (1C)	0.100	0.0972		ug/L		97	28 - 146
Methoxychlor (1C)	1.01	1.08		ug/L		107	39 - 143
p,p'-DDD (1C)	0.201	0.204		ug/L		101	42 - 148
p,p'-DDE (1C)	0.201	0.191		ug/L		95	22 - 138
p,p'-DDT (2C)	0.201	0.253		ug/L		126	40 - 145

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	92		32 - 149
DCB Decachlorobiphenyl (Surr) (2C)	82		32 - 149
Tetrachloro-m-xylene (Surr) (1C)	93		29 - 129
Tetrachloro-m-xylene (Surr) (2C)	88		29 - 129

Lab Sample ID: LCSD 410-173434/3-A
Matrix: Water
Analysis Batch: 173571

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 173434

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin (1C)	0.101	0.0598		ug/L		59	28 - 119	24	30
alpha-BHC (1C)	0.101	0.0839		ug/L		83	47 - 132	16	30
beta-BHC (1C)	0.100	0.0884		ug/L		88	27 - 143	15	30
delta-BHC (1C)	0.100	0.0867		ug/L		87	28 - 141	12	30
Dieldrin (1C)	0.200	0.176		ug/L		88	31 - 145	14	30
Endosulfan I (1C)	0.101	0.0812		ug/L		80	40 - 138	15	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 410-173434/3-A
Matrix: Water
Analysis Batch: 173571

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 173434

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endosulfan II (2C)			0.201	0.171		ug/L		85	27 - 138	16	30
Endosulfan sulfate (1C)			0.201	0.169		ug/L		84	41 - 133	15	30
Endrin (1C)			0.200	0.165		ug/L		83	35 - 143	19	30
Endrin aldehyde (2C)			0.201	0.151		ug/L		75	40 - 135	15	20
Endrin ketone (2C)			0.200	0.192		ug/L		96	44 - 136	13	30
gamma-BHC (Lindane) (1C)			0.100	0.0766		ug/L		77	29 - 136	21	30
Heptachlor (2C)			0.101	0.0723		ug/L		71	38 - 135	18	30
Heptachlor epoxide (1C)			0.100	0.0844		ug/L		84	28 - 146	14	30
Methoxychlor (1C)			1.01	0.890		ug/L		88	39 - 143	19	30
p,p'-DDD (1C)			0.201	0.171		ug/L		85	42 - 148	18	30
p,p'-DDE (1C)			0.201	0.165		ug/L		82	22 - 138	14	30
p,p'-DDT (2C)			0.201	0.234		ug/L		117	40 - 145	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*84*		*32 - 149*
DCB Decachlorobiphenyl (Surr) (2C)	*79*		*32 - 149*
Tetrachloro-m-xylene (Surr) (1C)	*71*		*29 - 129*
Tetrachloro-m-xylene (Surr) (2C)	*69*		*29 - 129*

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 410-173928/1-A
Matrix: Water
Analysis Batch: 174259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 173928

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		26	20	ug/L		09/21/21 20:39	09/22/21 12:50	1
Antimony	ND		1.0	0.42	ug/L		09/21/21 20:39	09/22/21 12:50	1
Arsenic	ND		2.1	0.70	ug/L		09/21/21 20:39	09/22/21 12:50	1
Barium	ND		2.1	0.77	ug/L		09/21/21 20:39	09/22/21 12:50	1
Beryllium	ND		0.52	0.12	ug/L		09/21/21 20:39	09/22/21 12:50	1
Cadmium	ND		0.52	0.16	ug/L		09/21/21 20:39	09/22/21 12:50	1
Calcium	ND	^3+	100	76	ug/L		09/21/21 20:39	09/22/21 12:50	1
Chromium	ND		2.1	0.34	ug/L		09/21/21 20:39	09/22/21 12:50	1
Cobalt	ND		0.52	0.16	ug/L		09/21/21 20:39	09/22/21 12:50	1
Copper	ND		1.0	0.37	ug/L		09/21/21 20:39	09/22/21 12:50	1
Iron	ND		52	23	ug/L		09/21/21 20:39	09/22/21 12:50	1
Lead	ND		0.52	0.073	ug/L		09/21/21 20:39	09/22/21 12:50	1
Magnesium	ND		52	11	ug/L		09/21/21 20:39	09/22/21 12:50	1
Manganese	ND		2.1	0.65	ug/L		09/21/21 20:39	09/22/21 12:50	1
Nickel	ND		1.0	0.62	ug/L		09/21/21 20:39	09/22/21 12:50	1
Potassium	ND		210	110	ug/L		09/21/21 20:39	09/22/21 12:50	1
Selenium	ND		1.0	0.29	ug/L		09/21/21 20:39	09/22/21 12:50	1
Silver	ND		0.52	0.18	ug/L		09/21/21 20:39	09/22/21 12:50	1
Sodium	ND		210	52	ug/L		09/21/21 20:39	09/22/21 12:50	1
Thallium	ND		0.52	0.13	ug/L		09/21/21 20:39	09/22/21 12:50	1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-173928/1-A
Matrix: Water
Analysis Batch: 174259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 173928

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		10	6.4	ug/L		09/21/21 20:39	09/22/21 12:50	1
Vanadium	ND		4.1	0.82	ug/L		09/21/21 20:39	09/22/21 12:50	1

Lab Sample ID: LCS 410-173928/2-A
Matrix: Water
Analysis Batch: 174259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 173928

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	5000	5250		ug/L		105	87 - 119
Antimony	100	101		ug/L		101	80 - 120
Arsenic	500	476		ug/L		95	85 - 120
Barium	500	512		ug/L		102	80 - 120
Beryllium	50.0	52.9		ug/L		106	90 - 112
Cadmium	50.0	51.5		ug/L		103	86 - 113
Calcium	5000	5520	^3+	ug/L		110	85 - 120
Chromium	500	509		ug/L		102	90 - 115
Cobalt	500	493		ug/L		99	90 - 113
Copper	500	501		ug/L		100	80 - 120
Iron	5000	5120		ug/L		102	88 - 119
Lead	50.0	51.8		ug/L		104	90 - 115
Magnesium	5000	5210		ug/L		104	90 - 112
Manganese	500	516		ug/L		103	89 - 120
Nickel	500	520		ug/L		104	90 - 114
Potassium	5000	5220		ug/L		104	90 - 112
Selenium	100	105		ug/L		105	80 - 120
Silver	50.0	47.7		ug/L		95	88 - 113
Sodium	5000	5170		ug/L		103	89 - 112
Thallium	99.9	105		ug/L		105	80 - 120
Zinc	500	489		ug/L		98	90 - 115
Vanadium	500	515		ug/L		103	90 - 115

Lab Sample ID: MB 410-173814/1-A
Matrix: Water
Analysis Batch: 174714

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 173814

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		25	20	ug/L		09/21/21 15:33	09/23/21 10:54	1
Antimony	ND		1.0	0.41	ug/L		09/21/21 15:33	09/23/21 10:54	1
Arsenic	ND		2.0	0.68	ug/L		09/21/21 15:33	09/23/21 10:54	1
Barium	ND		2.0	0.75	ug/L		09/21/21 15:33	09/23/21 10:54	1
Beryllium	ND		0.50	0.12	ug/L		09/21/21 15:33	09/23/21 10:54	1
Cadmium	ND		0.50	0.15	ug/L		09/21/21 15:33	09/23/21 10:54	1
Calcium	ND		100	74	ug/L		09/21/21 15:33	09/23/21 10:54	1
Chromium	ND		2.0	0.33	ug/L		09/21/21 15:33	09/23/21 10:54	1
Cobalt	ND		0.50	0.16	ug/L		09/21/21 15:33	09/23/21 10:54	1
Iron	ND		50	23	ug/L		09/21/21 15:33	09/23/21 10:54	1
Lead	ND		0.50	0.071	ug/L		09/21/21 15:33	09/23/21 10:54	1
Magnesium	ND		50	10	ug/L		09/21/21 15:33	09/23/21 10:54	1
Manganese	ND		2.0	0.63	ug/L		09/21/21 15:33	09/23/21 10:54	1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-173814/1-A
Matrix: Water
Analysis Batch: 174714

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 173814

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		1.0	0.60	ug/L		09/21/21 15:33	09/23/21 10:54	1
Potassium	ND		200	110	ug/L		09/21/21 15:33	09/23/21 10:54	1
Selenium	ND		1.0	0.28	ug/L		09/21/21 15:33	09/23/21 10:54	1
Silver	ND		0.50	0.17	ug/L		09/21/21 15:33	09/23/21 10:54	1
Sodium	ND		200	50	ug/L		09/21/21 15:33	09/23/21 10:54	1
Thallium	ND		0.50	0.13	ug/L		09/21/21 15:33	09/23/21 10:54	1
Zinc	ND		10	6.2	ug/L		09/21/21 15:33	09/23/21 10:54	1
Vanadium	ND		4.0	0.79	ug/L		09/21/21 15:33	09/23/21 10:54	1

Lab Sample ID: MB 410-173814/1-A
Matrix: Water
Analysis Batch: 175764

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 173814

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		25	20	ug/L		09/21/21 15:33	09/27/21 09:25	1
Antimony	ND	^3+	1.0	0.41	ug/L		09/21/21 15:33	09/27/21 09:25	1
Arsenic	ND		2.0	0.68	ug/L		09/21/21 15:33	09/27/21 09:25	1
Barium	ND		2.0	0.75	ug/L		09/21/21 15:33	09/27/21 09:25	1
Beryllium	ND		0.50	0.12	ug/L		09/21/21 15:33	09/27/21 09:25	1
Cadmium	ND		0.50	0.15	ug/L		09/21/21 15:33	09/27/21 09:25	1
Calcium	ND		100	74	ug/L		09/21/21 15:33	09/27/21 09:25	1
Chromium	ND		2.0	0.33	ug/L		09/21/21 15:33	09/27/21 09:25	1
Cobalt	ND		0.50	0.16	ug/L		09/21/21 15:33	09/27/21 09:25	1
Copper	ND		1.0	0.36	ug/L		09/21/21 15:33	09/27/21 09:25	1
Iron	ND		50	23	ug/L		09/21/21 15:33	09/27/21 09:25	1
Lead	ND		0.50	0.071	ug/L		09/21/21 15:33	09/27/21 09:25	1
Magnesium	ND		50	10	ug/L		09/21/21 15:33	09/27/21 09:25	1
Manganese	ND		2.0	0.63	ug/L		09/21/21 15:33	09/27/21 09:25	1
Nickel	ND		1.0	0.60	ug/L		09/21/21 15:33	09/27/21 09:25	1
Potassium	ND		200	110	ug/L		09/21/21 15:33	09/27/21 09:25	1
Selenium	ND		1.0	0.28	ug/L		09/21/21 15:33	09/27/21 09:25	1
Silver	ND		0.50	0.17	ug/L		09/21/21 15:33	09/27/21 09:25	1
Sodium	ND		200	50	ug/L		09/21/21 15:33	09/27/21 09:25	1
Thallium	ND		0.50	0.13	ug/L		09/21/21 15:33	09/27/21 09:25	1
Zinc	ND		10	6.2	ug/L		09/21/21 15:33	09/27/21 09:25	1
Vanadium	ND		4.0	0.79	ug/L		09/21/21 15:33	09/27/21 09:25	1

Lab Sample ID: LCS 410-173814/2-A
Matrix: Water
Analysis Batch: 174714

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 173814

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	5000	5140		ug/L		103	87 - 119
Antimony	100	101		ug/L		101	80 - 120
Arsenic	500	467		ug/L		94	85 - 120
Barium	500	508		ug/L		102	80 - 120
Beryllium	49.9	50.4		ug/L		101	90 - 112
Cadmium	50.0	50.9		ug/L		102	86 - 113
Calcium	5000	5180		ug/L		104	85 - 120

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-173814/2-A
Matrix: Water
Analysis Batch: 174714

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 173814

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	500	498		ug/L		100	90 - 115
Cobalt	500	492	E	ug/L		98	90 - 113
Copper	500	465	^3-	ug/L		93	80 - 120
Iron	5000	5040		ug/L		101	88 - 119
Lead	50.0	50.6		ug/L		101	90 - 115
Magnesium	5000	5150		ug/L		103	90 - 112
Manganese	500	507		ug/L		101	89 - 120
Nickel	500	485		ug/L		97	90 - 114
Potassium	5000	5070		ug/L		101	90 - 112
Selenium	100	101		ug/L		101	80 - 120
Silver	49.9	50.2		ug/L		101	88 - 113
Sodium	5000	5190		ug/L		104	89 - 112
Thallium	100	101		ug/L		101	80 - 120
Zinc	500	484		ug/L		97	90 - 115
Vanadium	500	504		ug/L		101	90 - 115

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 410-173838/1-A
Matrix: Water
Analysis Batch: 174418

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 173838

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.079	ug/L		09/21/21 16:01	09/22/21 22:03	1

Lab Sample ID: LCS 410-173838/2-A
Matrix: Water
Analysis Batch: 174418

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 173838

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.00	0.930		ug/L		93	80 - 118

Lab Sample ID: MB 410-173841/1-A
Matrix: Water
Analysis Batch: 174418

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 173841

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.079	ug/L		09/21/21 16:06	09/22/21 20:41	1

Lab Sample ID: LCS 410-173841/2-A
Matrix: Water
Analysis Batch: 174418

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 173841

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.00	0.947		ug/L		95	80 - 118

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 410-174144/20
Matrix: Water
Analysis Batch: 174144

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		100	40	ug/L			09/22/21 07:28	1

Lab Sample ID: MB 410-174144/39
Matrix: Water
Analysis Batch: 174144

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		100	40	ug/L			09/22/21 08:03	1

Lab Sample ID: LCS 410-174144/40
Matrix: Water
Analysis Batch: 174144

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	2500	2380		ug/L		95	90 - 110

Lab Sample ID: LCSD 410-174144/22
Matrix: Water
Analysis Batch: 174144

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	2500	2400		ug/L		96	90 - 110	1	20

GC/MS VOA

Analysis Batch: 174023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-55708-1	TMW-10913211150	Total/NA	Groundwater	8260C	
410-55708-7	TB0913211130	Total/NA	Water	8260C	
MB 410-174023/7	Method Blank	Total/NA	Water	8260C	
LCS 410-174023/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 410-174023/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 174521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-55708-2	TMW-20913211540	Total/NA	Groundwater	8260C	
410-55708-3	TMW-30913211310	Total/NA	Groundwater	8260C	
410-55708-5	TMW-50913211050	Total/NA	Groundwater	8260C	
MB 410-174521/6	Method Blank	Total/NA	Water	8260C	
LCS 410-174521/4	Lab Control Sample	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 173698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-55708-1	TMW-10913211150	Total/NA	Groundwater	8015C	
410-55708-2	TMW-20913211540	Total/NA	Groundwater	8015C	
410-55708-3	TMW-30913211310	Total/NA	Groundwater	8015C	
410-55708-7	TB0913211130	Total/NA	Water	8015C	
MB 410-173698/4	Method Blank	Total/NA	Water	8015C	
LCS 410-173698/5	Lab Control Sample	Total/NA	Water	8015C	
LCSD 410-173698/6	Lab Control Sample Dup	Total/NA	Water	8015C	

GC Semi VOA

Prep Batch: 173434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-55708-6	TMW-60913211145	Total/NA	Groundwater	3510C	
MB 410-173434/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-173434/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-173434/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 173571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-55708-6	TMW-60913211145	Total/NA	Groundwater	8081B	173434
MB 410-173434/1-A	Method Blank	Total/NA	Water	8081B	173434
LCS 410-173434/2-A	Lab Control Sample	Total/NA	Water	8081B	173434
LCSD 410-173434/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	173434

Prep Batch: 174001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-55708-1	TMW-10913211150	Total/NA	Groundwater	3510C	
410-55708-2	TMW-20913211540	Total/NA	Groundwater	3510C	
410-55708-3	TMW-30913211310	Total/NA	Groundwater	3510C	
MB 410-174001/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-174001/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-174001/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

GC Semi VOA

Analysis Batch: 174323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-55708-1	TMW-10913211150	Total/NA	Groundwater	8015C	174001
410-55708-2	TMW-20913211540	Total/NA	Groundwater	8015C	174001
410-55708-3	TMW-30913211310	Total/NA	Groundwater	8015C	174001
MB 410-174001/1-A	Method Blank	Total/NA	Water	8015C	174001
LCS 410-174001/2-A	Lab Control Sample	Total/NA	Water	8015C	174001
LCSD 410-174001/3-A	Lab Control Sample Dup	Total/NA	Water	8015C	174001

Metals

Prep Batch: 173814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-55708-4	TMW-40913211000	Total Recoverable	Groundwater	3005A	
410-55708-5	TMW-50913211050	Total Recoverable	Groundwater	3005A	
410-55708-6	TMW-60913211145	Total Recoverable	Groundwater	3005A	
MB 410-173814/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-173814/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 173838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-55708-4	TMW-40913211000	Total/NA	Groundwater	7470A	
410-55708-5	TMW-50913211050	Total/NA	Groundwater	7470A	
410-55708-6	TMW-60913211145	Total/NA	Groundwater	7470A	
MB 410-173838/1-A	Method Blank	Total/NA	Water	7470A	
LCS 410-173838/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 173841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-55708-4	TMW-40913211000	Dissolved	Groundwater	7470A	
410-55708-5	TMW-50913211050	Dissolved	Groundwater	7470A	
410-55708-6	TMW-60913211145	Dissolved	Groundwater	7470A	
MB 410-173841/1-A	Method Blank	Total/NA	Water	7470A	
LCS 410-173841/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 173928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-55708-4	TMW-40913211000	Dissolved	Groundwater	Non-Digest Prep	
410-55708-5	TMW-50913211050	Dissolved	Groundwater	Non-Digest Prep	
410-55708-6	TMW-60913211145	Dissolved	Groundwater	Non-Digest Prep	
MB 410-173928/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-173928/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 174259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-55708-4	TMW-40913211000	Dissolved	Groundwater	6020A	173928
410-55708-5	TMW-50913211050	Dissolved	Groundwater	6020A	173928
410-55708-6	TMW-60913211145	Dissolved	Groundwater	6020A	173928
MB 410-173928/1-A	Method Blank	Total/NA	Water	6020A	173928
LCS 410-173928/2-A	Lab Control Sample	Total/NA	Water	6020A	173928

Metals

Analysis Batch: 174418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-55708-4	TMW-40913211000	Dissolved	Groundwater	7470A	173841
410-55708-4	TMW-40913211000	Total/NA	Groundwater	7470A	173838
410-55708-5	TMW-50913211050	Dissolved	Groundwater	7470A	173841
410-55708-5	TMW-50913211050	Total/NA	Groundwater	7470A	173838
410-55708-6	TMW-60913211145	Dissolved	Groundwater	7470A	173841
410-55708-6	TMW-60913211145	Total/NA	Groundwater	7470A	173838
MB 410-173838/1-A	Method Blank	Total/NA	Water	7470A	173838
MB 410-173841/1-A	Method Blank	Total/NA	Water	7470A	173841
LCS 410-173838/2-A	Lab Control Sample	Total/NA	Water	7470A	173838
LCS 410-173841/2-A	Lab Control Sample	Total/NA	Water	7470A	173841

Analysis Batch: 174714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-55708-4	TMW-40913211000	Total Recoverable	Groundwater	6020A	173814
410-55708-5	TMW-50913211050	Total Recoverable	Groundwater	6020A	173814
410-55708-6	TMW-60913211145	Total Recoverable	Groundwater	6020A	173814
MB 410-173814/1-A	Method Blank	Total Recoverable	Water	6020A	173814
LCS 410-173814/2-A	Lab Control Sample	Total Recoverable	Water	6020A	173814

Analysis Batch: 174719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-55708-5	TMW-50913211050	Dissolved	Groundwater	6020A	173928

Analysis Batch: 175764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-55708-4	TMW-40913211000	Total Recoverable	Groundwater	6020A	173814
410-55708-5	TMW-50913211050	Total Recoverable	Groundwater	6020A	173814
410-55708-6	TMW-60913211145	Total Recoverable	Groundwater	6020A	173814
MB 410-173814/1-A	Method Blank	Total Recoverable	Water	6020A	173814

General Chemistry

Analysis Batch: 174144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-55708-3	TMW-30913211310	Total/NA	Groundwater	353.2	
410-55708-4	TMW-40913211000	Total/NA	Groundwater	353.2	
410-55708-5	TMW-50913211050	Total/NA	Groundwater	353.2	
410-55708-6	TMW-60913211145	Total/NA	Groundwater	353.2	
MB 410-174144/20	Method Blank	Total/NA	Water	353.2	
MB 410-174144/39	Method Blank	Total/NA	Water	353.2	
LCS 410-174144/40	Lab Control Sample	Total/NA	Water	353.2	
LCSD 410-174144/22	Lab Control Sample Dup	Total/NA	Water	353.2	

Lab Chronicle

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Client Sample ID: TMW-10913211150

Lab Sample ID: 410-55708-1

Date Collected: 09/13/21 11:50

Matrix: Groundwater

Date Received: 09/14/21 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	174023	09/22/21 19:59	ULCP	ELLE
Total/NA	Analysis	8015C		1	173698	09/21/21 15:54	UMDJ	ELLE
Total/NA	Prep	3510C			174001	09/22/21 09:19	R9CT	ELLE
Total/NA	Analysis	8015C		1	174323	09/22/21 22:23	KP5X	ELLE

Client Sample ID: TMW-20913211540

Lab Sample ID: 410-55708-2

Date Collected: 09/13/21 15:40

Matrix: Groundwater

Date Received: 09/14/21 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	174521	09/23/21 14:56	ULCP	ELLE
Total/NA	Analysis	8015C		1	173698	09/21/21 16:19	UMDJ	ELLE
Total/NA	Prep	3510C			174001	09/22/21 09:19	R9CT	ELLE
Total/NA	Analysis	8015C		1	174323	09/22/21 22:46	KP5X	ELLE

Client Sample ID: TMW-30913211310

Lab Sample ID: 410-55708-3

Date Collected: 09/13/21 13:10

Matrix: Groundwater

Date Received: 09/14/21 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	174521	09/23/21 15:19	ULCP	ELLE
Total/NA	Analysis	8015C		1	173698	09/21/21 16:45	UMDJ	ELLE
Total/NA	Prep	3510C			174001	09/22/21 09:19	R9CT	ELLE
Total/NA	Analysis	8015C		1	174323	09/22/21 23:08	KP5X	ELLE
Total/NA	Analysis	353.2		2	174144	09/22/21 10:19	P684	ELLE

Client Sample ID: TMW-40913211000

Lab Sample ID: 410-55708-4

Date Collected: 09/13/21 10:00

Matrix: Groundwater

Date Received: 09/14/21 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	Non-Digest Prep			173928	09/21/21 20:39	UJLA	ELLE
Dissolved	Analysis	6020A		1	174259	09/22/21 13:16	S8DY	ELLE
Total Recoverable	Prep	3005A			173814	09/21/21 15:33	UAMX	ELLE
Total Recoverable	Analysis	6020A		1	174714	09/23/21 11:18	S8DY	ELLE
Total Recoverable	Prep	3005A			173814	09/21/21 15:33	UAMX	ELLE
Total Recoverable	Analysis	6020A		1	175764	09/27/21 09:27	S4PD	ELLE
Dissolved	Prep	7470A			173841	09/21/21 16:06	UAMX	ELLE
Dissolved	Analysis	7470A		1	174418	09/22/21 21:07	UEFS	ELLE
Total/NA	Prep	7470A			173838	09/21/21 16:01	UAMX	ELLE
Total/NA	Analysis	7470A		1	174418	09/22/21 22:49	UEFS	ELLE
Total/NA	Analysis	353.2		2	174144	09/22/21 09:59	P684	ELLE

Lab Chronicle

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Client Sample ID: TMW-50913211050

Lab Sample ID: 410-55708-5

Date Collected: 09/13/21 10:50

Matrix: Groundwater

Date Received: 09/14/21 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	174521	09/23/21 15:41	ULCP	ELLE
Dissolved	Prep	Non-Digest Prep			173928	09/21/21 20:39	UJLA	ELLE
Dissolved	Analysis	6020A		1	174719	09/23/21 11:39	S8DY	ELLE
Dissolved	Prep	Non-Digest Prep			173928	09/21/21 20:39	UJLA	ELLE
Dissolved	Analysis	6020A		1	174259	09/22/21 13:12	S8DY	ELLE
Total Recoverable	Prep	3005A			173814	09/21/21 15:33	UAMX	ELLE
Total Recoverable	Analysis	6020A		1	174714	09/23/21 11:23	S8DY	ELLE
Total Recoverable	Prep	3005A			173814	09/21/21 15:33	UAMX	ELLE
Total Recoverable	Analysis	6020A		1	175764	09/27/21 09:29	S4PD	ELLE
Dissolved	Prep	7470A			173841	09/21/21 16:06	UAMX	ELLE
Dissolved	Analysis	7470A		1	174418	09/22/21 21:11	UEFS	ELLE
Total/NA	Prep	7470A			173838	09/21/21 16:01	UAMX	ELLE
Total/NA	Analysis	7470A		1	174418	09/22/21 22:47	UEFS	ELLE
Total/NA	Analysis	353.2		2	174144	09/22/21 10:02	P684	ELLE

Client Sample ID: TMW-60913211145

Lab Sample ID: 410-55708-6

Date Collected: 09/13/21 11:45

Matrix: Groundwater

Date Received: 09/14/21 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			173434	09/20/21 21:15	QQ3P	ELLE
Total/NA	Analysis	8081B		1	173571	09/21/21 14:55	WN7O	ELLE
Dissolved	Prep	Non-Digest Prep			173928	09/21/21 20:39	UJLA	ELLE
Dissolved	Analysis	6020A		1	174259	09/22/21 13:14	S8DY	ELLE
Total Recoverable	Prep	3005A			173814	09/21/21 15:33	UAMX	ELLE
Total Recoverable	Analysis	6020A		1	174714	09/23/21 11:27	S8DY	ELLE
Total Recoverable	Prep	3005A			173814	09/21/21 15:33	UAMX	ELLE
Total Recoverable	Analysis	6020A		1	175764	09/27/21 09:31	S4PD	ELLE
Dissolved	Prep	7470A			173841	09/21/21 16:06	UAMX	ELLE
Dissolved	Analysis	7470A		1	174418	09/22/21 21:09	UEFS	ELLE
Total/NA	Prep	7470A			173838	09/21/21 16:01	UAMX	ELLE
Total/NA	Analysis	7470A		1	174418	09/22/21 22:45	UEFS	ELLE
Total/NA	Analysis	353.2		5	174144	09/22/21 10:01	P684	ELLE

Client Sample ID: TB0913211130

Lab Sample ID: 410-55708-7

Date Collected: 09/13/21 16:30

Matrix: Water

Date Received: 09/14/21 18:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	174023	09/22/21 12:51	ULCP	ELLE
Total/NA	Analysis	8015C		1	173698	09/21/21 15:28	UMDJ	ELLE

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Environmental Alliance, Inc.
Job ID: 410-55708-1
Project/Site: 5277 / Cordova Road, MD

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
353.2		Groundwater	Nitrate Nitrite as N
6020A	3005A	Groundwater	Aluminum
6020A	3005A	Groundwater	Antimony
6020A	3005A	Groundwater	Arsenic
6020A	3005A	Groundwater	Barium
6020A	3005A	Groundwater	Beryllium
6020A	3005A	Groundwater	Cadmium
6020A	3005A	Groundwater	Calcium
6020A	3005A	Groundwater	Chromium
6020A	3005A	Groundwater	Cobalt
6020A	3005A	Groundwater	Copper
6020A	3005A	Groundwater	Iron
6020A	3005A	Groundwater	Lead
6020A	3005A	Groundwater	Magnesium
6020A	3005A	Groundwater	Manganese
6020A	3005A	Groundwater	Nickel
6020A	3005A	Groundwater	Potassium
6020A	3005A	Groundwater	Selenium
6020A	3005A	Groundwater	Silver
6020A	3005A	Groundwater	Sodium
6020A	3005A	Groundwater	Thallium
6020A	3005A	Groundwater	Vanadium
6020A	3005A	Groundwater	Zinc
6020A	Non-Digest Prep	Groundwater	Aluminum
6020A	Non-Digest Prep	Groundwater	Antimony
6020A	Non-Digest Prep	Groundwater	Arsenic
6020A	Non-Digest Prep	Groundwater	Barium
6020A	Non-Digest Prep	Groundwater	Beryllium
6020A	Non-Digest Prep	Groundwater	Cadmium
6020A	Non-Digest Prep	Groundwater	Calcium
6020A	Non-Digest Prep	Groundwater	Chromium
6020A	Non-Digest Prep	Groundwater	Cobalt
6020A	Non-Digest Prep	Groundwater	Copper
6020A	Non-Digest Prep	Groundwater	Iron
6020A	Non-Digest Prep	Groundwater	Lead
6020A	Non-Digest Prep	Groundwater	Magnesium
6020A	Non-Digest Prep	Groundwater	Manganese
6020A	Non-Digest Prep	Groundwater	Nickel
6020A	Non-Digest Prep	Groundwater	Potassium
6020A	Non-Digest Prep	Groundwater	Selenium
6020A	Non-Digest Prep	Groundwater	Silver
6020A	Non-Digest Prep	Groundwater	Sodium
6020A	Non-Digest Prep	Groundwater	Thallium
6020A	Non-Digest Prep	Groundwater	Vanadium
6020A	Non-Digest Prep	Groundwater	Zinc

Laboratory: Eurofins Lancaster Laboratories Env, LLC (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Groundwater	Mercury
8015C		Groundwater	GRO (1C)
8015C		Water	GRO (1C)
8015C	3510C	Groundwater	DRO (C10-C28) (1C)
8081B	3510C	Groundwater	Aldrin (1C)
8081B	3510C	Groundwater	alpha-BHC (1C)
8081B	3510C	Groundwater	alpha-Chlordane (1C)
8081B	3510C	Groundwater	beta-BHC (2C)
8081B	3510C	Groundwater	delta-BHC (1C)
8081B	3510C	Groundwater	Dieldrin (1C)
8081B	3510C	Groundwater	Endosulfan I (1C)
8081B	3510C	Groundwater	Endosulfan II (1C)
8081B	3510C	Groundwater	Endosulfan sulfate (1C)
8081B	3510C	Groundwater	Endrin (1C)
8081B	3510C	Groundwater	Endrin aldehyde (1C)
8081B	3510C	Groundwater	Endrin ketone (1C)
8081B	3510C	Groundwater	gamma-BHC (Lindane) (1C)
8081B	3510C	Groundwater	gamma-Chlordane (1C)
8081B	3510C	Groundwater	Heptachlor (1C)
8081B	3510C	Groundwater	Heptachlor epoxide (1C)
8081B	3510C	Groundwater	Methoxychlor (1C)
8081B	3510C	Groundwater	p,p'-DDD (1C)
8081B	3510C	Groundwater	p,p'-DDE (1C)
8081B	3510C	Groundwater	p,p'-DDT (1C)
8081B	3510C	Groundwater	Toxaphene (1C)
8260C		Groundwater	1,1,1-Trichloroethane
8260C		Groundwater	1,1,2,2-Tetrachloroethane
8260C		Groundwater	1,1,2-Trichloroethane
8260C		Groundwater	1,1-Dichloroethane
8260C		Groundwater	1,1-Dichloroethene
8260C		Groundwater	1,2,3-Trichlorobenzene
8260C		Groundwater	1,2,4-Trichlorobenzene
8260C		Groundwater	1,2-Dibromo-3-Chloropropane
8260C		Groundwater	1,2-Dibromoethane
8260C		Groundwater	1,2-Dichlorobenzene
8260C		Groundwater	1,2-Dichloroethane
8260C		Groundwater	1,2-Dichloropropane
8260C		Groundwater	1,3-Dichlorobenzene
8260C		Groundwater	1,4-Dichlorobenzene
8260C		Groundwater	2-Butanone
8260C		Groundwater	2-Hexanone
8260C		Groundwater	4-Methyl-2-pentanone
8260C		Groundwater	Acetone
8260C		Groundwater	Benzene
8260C		Groundwater	Bromochloromethane
8260C		Groundwater	Bromodichloromethane
8260C		Groundwater	Bromoform

Laboratory: Eurofins Lancaster Laboratories Env, LLC (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Groundwater	Bromomethane
8260C		Groundwater	Carbon disulfide
8260C		Groundwater	Carbon tetrachloride
8260C		Groundwater	Chlorobenzene
8260C		Groundwater	Chloroethane
8260C		Groundwater	Chloroform
8260C		Groundwater	Chloromethane
8260C		Groundwater	cis-1,2-Dichloroethene
8260C		Groundwater	cis-1,3-Dichloropropene
8260C		Groundwater	Cyclohexane
8260C		Groundwater	Dibromochloromethane
8260C		Groundwater	Dichlorodifluoromethane
8260C		Groundwater	di-Isopropyl ether
8260C		Groundwater	Ethyl t-butyl ether
8260C		Groundwater	Ethylbenzene
8260C		Groundwater	Freon 113
8260C		Groundwater	Isopropylbenzene
8260C		Groundwater	m&p-Xylene
8260C		Groundwater	Methyl acetate
8260C		Groundwater	Methyl tertiary butyl ether
8260C		Groundwater	Methylcyclohexane
8260C		Groundwater	Methylene Chloride
8260C		Groundwater	Naphthalene
8260C		Groundwater	o-Xylene
8260C		Groundwater	Styrene
8260C		Groundwater	t-Amyl methyl ether
8260C		Groundwater	t-Butyl alcohol
8260C		Groundwater	Tetrachloroethene
8260C		Groundwater	Toluene
8260C		Groundwater	trans-1,2-Dichloroethene
8260C		Groundwater	trans-1,3-Dichloropropene
8260C		Groundwater	Trichloroethene
8260C		Groundwater	Trichlorofluoromethane
8260C		Groundwater	Vinyl chloride
8260C		Groundwater	Xylenes, Total
8260C		Water	1,1,1-Trichloroethane
8260C		Water	1,1,2,2-Tetrachloroethane
8260C		Water	1,1,2-Trichloroethane
8260C		Water	1,1-Dichloroethane
8260C		Water	1,1-Dichloroethene
8260C		Water	1,2,3-Trichlorobenzene
8260C		Water	1,2,4-Trichlorobenzene
8260C		Water	1,2-Dibromo-3-Chloropropane
8260C		Water	1,2-Dibromoethane
8260C		Water	1,2-Dichlorobenzene
8260C		Water	1,2-Dichloroethane
8260C		Water	1,2-Dichloropropane

Laboratory: Eurofins Lancaster Laboratories Env, LLC (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	1,3-Dichlorobenzene
8260C		Water	1,4-Dichlorobenzene
8260C		Water	2-Butanone
8260C		Water	2-Hexanone
8260C		Water	4-Methyl-2-pentanone
8260C		Water	Acetone
8260C		Water	Benzene
8260C		Water	Bromochloromethane
8260C		Water	Bromodichloromethane
8260C		Water	Bromoform
8260C		Water	Bromomethane
8260C		Water	Carbon disulfide
8260C		Water	Carbon tetrachloride
8260C		Water	Chlorobenzene
8260C		Water	Chloroethane
8260C		Water	Chloroform
8260C		Water	Chloromethane
8260C		Water	cis-1,2-Dichloroethene
8260C		Water	cis-1,3-Dichloropropene
8260C		Water	Cyclohexane
8260C		Water	Dibromochloromethane
8260C		Water	Dichlorodifluoromethane
8260C		Water	di-Isopropyl ether
8260C		Water	Ethyl t-butyl ether
8260C		Water	Ethylbenzene
8260C		Water	Freon 113
8260C		Water	Isopropylbenzene
8260C		Water	m&p-Xylene
8260C		Water	Methyl acetate
8260C		Water	Methyl tertiary butyl ether
8260C		Water	Methylcyclohexane
8260C		Water	Methylene Chloride
8260C		Water	Naphthalene
8260C		Water	o-Xylene
8260C		Water	Styrene
8260C		Water	t-Amyl methyl ether
8260C		Water	t-Butyl alcohol
8260C		Water	Tetrachloroethene
8260C		Water	Toluene
8260C		Water	trans-1,2-Dichloroethene
8260C		Water	trans-1,3-Dichloropropene
8260C		Water	Trichloroethene
8260C		Water	Trichlorofluoromethane
8260C		Water	Vinyl chloride
8260C		Water	Xylenes, Total

Method Summary

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	ELLE
8015C	Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)	SW846	ELLE
8015C	Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	SW846	ELLE
8081B	Organochlorine Pesticides (GC)	SW846	ELLE
6020A	Metals (ICP/MS)	SW846	ELLE
7470A	Mercury (CVAA)	SW846	ELLE
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE
7470A	Preparation, Mercury	SW846	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Environmental Alliance, Inc.
Project/Site: 5277 / Cordova Road, MD

Job ID: 410-55708-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-55708-1	TMW-10913211150	Groundwater	09/13/21 11:50	09/14/21 18:08
410-55708-2	TMW-20913211540	Groundwater	09/13/21 15:40	09/14/21 18:08
410-55708-3	TMW-30913211310	Groundwater	09/13/21 13:10	09/14/21 18:08
410-55708-4	TMW-40913211000	Groundwater	09/13/21 10:00	09/14/21 18:08
410-55708-5	TMW-50913211050	Groundwater	09/13/21 10:50	09/14/21 18:08
410-55708-6	TMW-60913211145	Groundwater	09/13/21 11:45	09/14/21 18:08
410-55708-7	TB0913211130	Water	09/13/21 16:30	09/14/21 18:08

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410-55708 Chain of Custody

.C

Chain of Custody Record

eurofins Environment Testing America

Cl

Client: Mr. Graham Prowse	Sampler: Graham Prowse	Lab PM:	Carrier Tracking No(s):	COC No: 410-33606-10459.1
	Phone:	E-Mail:	State of Origin: MD	Page: Page 1 of 3
Company: Environmental Alliance, Inc.	PWSID:			Job #:

Address: 5341 Limestone Road	Due Date Requested:	
City: Wilmington	TAT Requested (days): Standard	
State, Zip: DE, 19808	Compliance Project: Δ Yes X No	
Phone:	PO #: 20495	
Email: gprowse@envalliance.com	WO #:	
Project Name: 5277 - Cordova Road	Project #:	
Site:	SSOW#:	

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	VOCs 8260 + oxygenates	TPH-GRO, TPH-DRO	OC Pesticides	TAL metals (total + dissolved)	Total nitrate, Total nitrite	Total Number of containers	Special Instructions/Note:
		Preservation Code:											
TMW-1	9-13-21	1150	G	W			X	X					
TMW-2		1540					X	X					
TMW-3		1310					X	X			X		
TMW-4		1000			Y				X	X	X		
TMW-5		1050			Y		X			X	X		
TMW-6		1145			Y				X	X	X		
TB	↓	1630	↓	↓			X	X					

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date: 9-10-21	Time:	Method of Shipment:	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 9-10-21 1300	Company EAI
Relinquished by:	Date/Time: 9-14-21 700	Company EAI	Received by:	Date/Time: 9/14/21 1123	Company ELC
Relinquished by:	Date/Time: 9/14/21 1745	Company ELC	Received by:	Date/Time: 9/14/21 1809	Company ELC
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	0.1 - 1.4	

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Environmental Alliance, Inc.

Job Number: 410-55708-1

Login Number: 55708

List Source: Eurofins Lancaster Laboratories Env, LLC

List Number: 1

Creator: Phillips, Ann-Marie E

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	False	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	