ENVIRONMENTAL SUBSURFACE EVALUATION

SADDLE CREEK DRIVE PROPERTY
14709 SADDLE CREEK DRIVE
BURTONSVILLE, MARYLAND 20866

ECS PROJECT NO. 47:18315-A

FOR

MTFA ARCHITECTURE, INC.

MAY 14, 2024

May 14, 2024

Ms. Meagan W. Jancy, AIA, LEED AP
MTFA Architecture, Inc.
3200 Langston Boulevard
Arlington, Virginia 22207

ECS Project No. 47:18315-A

Reference: Environmental Subsurface Evaluation
Saddle Creek Drive Property
14709 Saddle Creek Drive
Burtonsville, Maryland 20866

Dear Ms. Jancy:

Pursuant to your request, ECS Mid-Atlantic, LLC (ECS) is pleased to provide you with the results of our environmental subsurface evaluation performed at the above-referenced property (Figure 1). Our services were provided in accordance with ECS Proposal No. 47:32632-EP, dated March 15, 2024.

BACKGROUND

ECS previously completed a Phase I Environmental Site Assessment (ESA) for the subject property (ECS Project Number 47:18315). At the time of the report's completion, the 10.95-acre subject property consisted of undeveloped land, including a graded field and a portion of wooded land at the southeastern corner of the site. The assessment identified the following recognized environmental conditions in connection with the subject property:

- *The subject property was depicted as a portion of a greater sand and gravel pit from as early as 1963 through at least 1989. By 2007, the subject property was depicted as having been reforested. Several mounds and/or suspected filled areas were observed at the southeastern, wooded portion of the subject property during site reconnaissance, which appeared to consist of sand, gravel, asphalt, and rock. No documentation was available regarding the source of fill material associated with the surface mine's reclamation. The potential use of impacted soils for fill material is considered to represent a REC of the subject property.*

Based upon the findings of the Phase I ESA, ECS proposes to perform the following scope of work to assess the above-referenced concerns.

SCOPE OF WORK

Soil Evaluation Methodologies

Prior to advancing any probes, ECS contacted Miss Utility to locate public subsurface utilities onsite. Additionally, ECS utilized a private utility locator to mark the locations of private utilities or other utilities not covered by Miss Utility that were in the vicinity of our probe locations.

In an effort to characterize the soil onsite, ECS divided the subject property into two (2) operational units (OU-1 and OU-2), differentiating between the graded portion and the wooded portion of the site. Track-mounted GeoProbe® direct push sampling equipment was employed to advance a total of twenty (20) probes at the subject property. A GeoProbe® is a hydraulic hammer that pushes a 2-inch diameter steel rod into the ground. A soil core is recovered in a polyethylene sleeve with each removal of the probe. The probes were advanced to a depth of approximately 15 feet below existing surface grades, groundwater, or probe refusal, whichever occurred first.

Within each probe, one (1) soil aliquot was collected from each depth interval outlined in Exhibit A below. For each operational unit, ten (10) soil aliquots were collected at each depth interval and used to generate representative composite samples for those intervals. In the event that no soil was recovered at a target depth, additional aliquots were collected from neighboring borings so that each depth interval consisted of a 10-point composite sample. In total, eight (8) composite soil samples were submitted for the following analyses:

- Poly-Aromatic Hydrocarbons (PAH) – EPA Method 8270
- Priority Pollutant Metals – EPA Method 6020
- Hexavalent Chromium – EPA Method 7199 or similar
- Poly-Chlorinated Biphenyls (PCBs) – EPA Method 8082

Exhibit A: Vertical Operational Unit Depths

Vertical OU Identification	Vertical OU Depth (feet)
OU-1A, OU-2A	0-2
OU-1B, OU-2B	2-5
OU-1C, OU-2C	5-10
OU-1D, OU-2D	10-15

During sample collection, soil cores from each boring location were screened in one-foot increments using a MiniRAE 3000 photoionization detector (PID) with a 10.6eV bulb, calibrated to a 100-parts per million (ppm) isobutylene standard prior to use. The PID is useful for qualitative field screening of Volatile Organic Compounds (VOCs) and provides a basis for field comparison of soil samples. The PID does not quantify or identify specific compounds; in addition, it does not screen for methane, metals, or other inorganic compounds. In the absence of detectable PID readings, select grab samples were collected from fill horizons, termination depths, or other areas where contaminants of potential concern would be expected to originate or migrate. The collected soil samples were submitted for the following analyses:

- Total Petroleum Hydrocarbons (TPH-DRO/GRO) – EPA Method 8015
- Volatile Organic Compounds (VOCs) – EPA Method 8260

Soil samples were placed in laboratory-grade jars with Teflon lids, packed with ice, and submitted to an independent laboratory for chemical analyses under chain of custody documentation.

Subsurface Water Evaluation Methodologies

ECS converted four (4) of the borings advanced at the subject property into temporary sampling points. Dedicated 1-inch diameter PVC was used to construct the sampling points. Factory-slotted PVC was placed within the water column to allow the flow of subsurface water into the sampling points. ECS utilized a peristaltic pump with dedicated tubing, or dedicated bailers, to collect subsurface water samples from the temporary sampling points.

The subsurface water samples were placed in laboratory-grade jars, placed on ice, and submitted to an independent laboratory for chemical analyses of the following:

- TPH-DRO/GRO – EPA Method 8015
- VOCs – EPA Method 8260

Following completion, each boring was backfilled with soil cuttings and bentonite as needed.

Soil Vapor Evaluation Methodologies

ECS installed six (6) soil vapor sampling points (SV-01 through SV-06) at the subject property. The samples were collected in general conformance with protocols discussed in the Interstate Technology Regulatory Council's (ITRC) *Vapor Intrusion: A Practical Guideline* (January (2007) guidance document. The soil vapor points were set at a depth of approximately 5 feet below surface grade. After reaching the desired sampling depth, a dedicated, stainless-steel vapor implant was lowered to the bottom of the sampling point. An appropriate length of 1/4-inch diameter Teflon lined tubing was attached to the implant, through which the vapor sample will be collected at the surface. After placing the implant, silica sand was used to fill the sample point annulus to a height of approximately one foot above the implant. Bentonite was then added from the level of the sand to the ground surface and hydrated to create a seal above the implant.

Prior to sampling, ECS purged three volumes of air from the sampling points and tubing using a surface pump. After purging the sample points, the tubing was capped. As a bentonite seal was used in the construction of the soil vapor sampling points, the seals were allowed to set for at least 24 hours prior to sample collection.

The vapor samples were collected over a 4-hour period. ECS collected the samples in 1.4-liter summa canisters equipped with 4-hour flow controllers. The flow controllers were set to a consistent flow rate throughout the sample collection period. Upon collection, the samples were submitted for VOC analysis via EPA Method TO-15.

RESULTS

Soil Sampling Results

On May 1 and 2, 2024, ECS mobilized to the subject property and advanced a total of twenty probes (OU1-01 to OU1-10 and OU2-01 to OU2-10) using track-mounted GeoProbe direct push equipment to depths ranging from approximately 15 to 20 feet below ground surface (bgs). Approximate boring locations are depicted in the attached Figure 2, and boring logs are included in Attachment A. The soils encountered on the graded portion of the site (OU-1) consisted primarily of sand and silty sand, with gravel, and soils encountered on the wooded portion (OU-2) consisted primarily of silt and sand with gravel and lean-to-fat clays.

Soil samples were field screened using a MiniRAE 3000 PID. PID readings were collected from the soil cores in one-foot increments from surface grade to the termination of each soil probe. Field indicators of significant petroleum impacts, including petroleum staining, odors, or PID readings, were not identified at any of the probe locations.

The results of the soil laboratory analysis were compared to the Maryland Department of the Environment (MDE) Cleanup Standards for Residential and Non-Residential Use. Concentrations of contaminants of potential concern (COPCs) did not exceed MDE Residential or Non-Residential cleanup criteria in any of the soil samples submitted for analysis, except for the following:

- Concentrations of Hexavalent Chromium exceeded the MDE Cleanup Standard for Residential Use of 0.3 milligrams per kilogram (mg/kg) in composite soil samples OU-2C (0.382 mg/kg) and OU-2D (0.461 mg/kg).

The results of the soil sample laboratory analysis are included in Attachment B and are summarized in the attached Tables 1A and 1B.

Subsurface Water Sampling Results

On May 2, 2024, ECS collected four (4) subsurface water samples (GW1-01, GW1-03, GW1-08, and GW1-09) at the subject property. These samples appeared to consist of perched water trapped above the aquifer and do not represent groundwater conditions at the subject property. The subsurface water sample identification numbers correspond with the numerical designations of the boring locations. The results of the subsurface water laboratory analysis were compared to applicable MDE Groundwater Cleanup Standards. Concentrations of COPCs were not detected above the applicable MDE groundwater cleanup criteria in any of the subsurface water samples submitted for analysis.

The results of the subsurface water sample laboratory analysis are included in Attachment B and are summarized in the attached Table 2.

Soil Vapor Sampling Results

On May 2, 2024, ECS collected six (6) soil vapor samples (SV-01 to SV-06) from the subject property. The sample collected at soil vapor location SV-02 collected little to no vapor during the sampling period and thus could not be analyzed by the laboratory. ECS suspects that this was due to the relatively dense lithology with very little pore space at this sample location.

ECS compared the vapor sample results to the applicable MDE Tier 1 and Tier 2 Residential and Commercial Screening Levels. Based upon the laboratory analytical results, concentrations of VOCs did not exceed MDE Tier 1 Residential or Commercial Screening Levels in any of the soil vapor samples collected onsite, except for the following:

- Concentrations of 1,4-Dichlorobenzene exceeded the MDE Tier 1 Residential Screening Level of 46 micrograms per cubic meter (µg/m^3) in soil vapor samples SV1-10 (88.3 µg/m^3) and SV2-05 (50.7 µg/m^3).

The results of the soil vapor sample laboratory analysis are included in Attachment B and are summarized in the attached Table 3.

CONCLUSIONS

Concentrations of contaminants of potential concern (COPCs) did not exceed applicable Maryland Department of the Environment (MDE) Residential or Non-Residential cleanup criteria in any of the soil, surface water, or soil vapor samples collected at the subject property, with the exception of the following:

- Concentrations of Hexavalent Chromium exceeded the MDE Cleanup Standard for Residential Use in composite soil samples OU-2C and OU-2D, which were collected from the wooded portion of the site at depths of 5 to 15 feet below ground surface (bgs).

- Concentrations of 1,4-Dichlorobenzene exceeded the MDE Tier 1 Residential Screening Level in soil vapor samples SV1-10 and SV2-05, which were collected from the northeastern side of the grassy portion of the site and the center of the wooded portion, respectively.

ECS understands that a new school facility is proposed for development at the subject property. Based on the soil sampling results and the proposed use of the site, soil excavated from depths of 5 to 15 feet bgs from the wooded portion of the site (OU-2) may not be suitable for reuse at the subject property or at an off-site residential disposal facility without additional assessment. It appears that a minimum of 5 feet of unimpacted soil is currently located above operational units OU-2C and OU-2D, which would eliminate contact with potential receptors. However, ECS recommends submitting the findings of this report to the MDE for input, as only the MDE can make a reuse or suitability determination once an exceedance of the typical cleanup criteria occurs. ECS also recommends the submittal of this report to the MDE if the soil at a depth of five feet below grade in OU-2 will become exposed or less than 2 feet below surface grade during site development.

Based on soil vapor sampling results, the potential for a vapor encroachment issue exists at the site. ECS recommends that additional vapor sampling be performed within the footprint of the proposed structures to determine whether a sub-slab vapor mitigation system is needed to prevent the migration of VOC vapors into occupied portions of the proposed structures.

LIMITATIONS

The study was conducted in general accordance with industry standards. It should be noted, however, that the samples should be considered isolated data points and do not reflect homogeneous subsurface conditions. While the assessment was conducted to evaluate the presence of subsurface compounds of concern, the purpose of this study did not include determining the complete vertical and/or lateral extent of impacts, if any, at this site. The subsurface sampling points were selected based on the site history, likely areas where subsurface contamination might be present, and/or potential exposure pathways.

The conclusions and/or recommendations presented within this report are based upon a reasonable level of study within normal bounds and standards of professional practice for a site in this particular geographic and geologic setting. The intent of this assessment is to identify the presence of environmental contamination in the subsurface of the site. Observations, conclusions, and/or recommendations pertaining to environmental conditions at the subject site are necessarily limited to conditions observed and/or materials reviewed at the time this study was undertaken.

No warranty, expressed or implied, is made with regard to the conclusions and recommendations presented within this report. This report is provided for the exclusive use of the client and is not intended to be used or relied upon in connection with other projects or by other unidentified third parties. The use of this report by an undesignated third party or parties will be at the sole risk of the third party or parties, and ECS disclaims liability for such third-party use or reliance.

ECS has appreciated the opportunity to work with you on this project. If you have any questions regarding this report or other aspects of the project, please feel free to contact us at (410) 859-4300.

Respectfully submitted,
ECS MID-ATLANTIC, LLC

Nicholas Stella
Environmental Project Manager

Michael M. Bell, CHMM
Environmental Principal

Appendix:

Figure 1……. Site Location Map
Figure 2……. Site Features Map
Table 1A……... Composite Soil Sample Analytical Results
Table 1B……... Grab Soil Sample Analytical Results
Table 2……... Groundwater Sample Analytical Results
Table 3...……... Soil Vapor Sample Analytical Results
Attachment A…… Probe Logs
Attachment B…… Laboratory Results

Figures

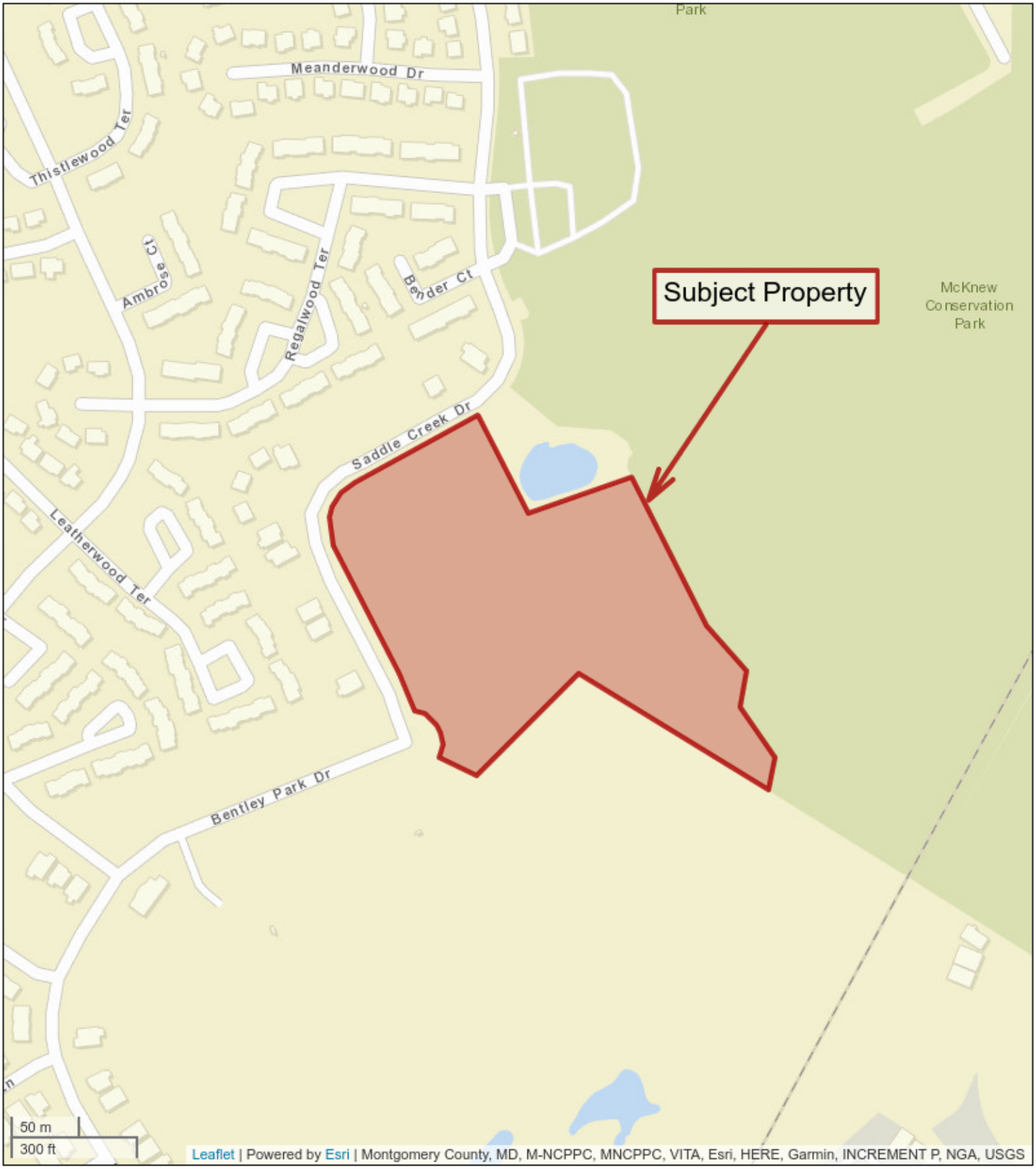
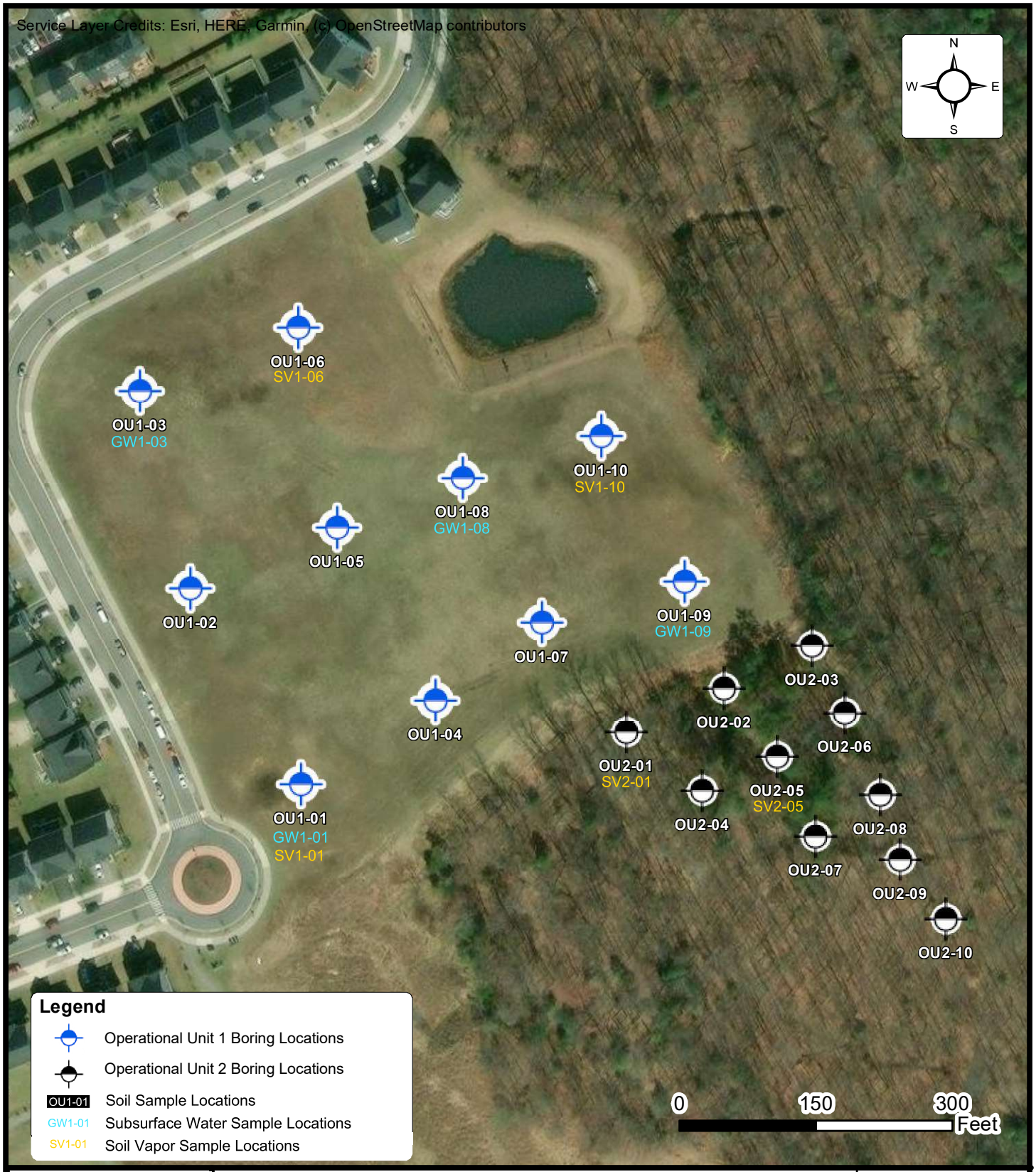


Figure 1

Site Location Map
Saddle Creek Drive Property
14709 Saddle Creek Drive
Burtonsville, Maryland 20866



BORING LOCATION DIAGRAM
SADDLE CREEK DRIVE P2ESA

14709 SADDLE CREEK DRIVE, BURTONSVILLE,

ENGINEER	MMB
SCALE	AS NOTED
PROJECT NO.	47:18315-A
FIGURE	2
DATE	5/16/2024

Tables

Table 1A
Saddle Creek Property
Composite Soil Sample Analytical Results

Sample ID	OU-1A	OU-1B	OU-1C	OU-1D	OU-2A	OU-2B	OU-2C	OU-2D	MDE Residential Soil Cleanup Standard (mg/kg)	MDE Non-Residential Soil Cleanup Standard (mg/kg)
Date Collected	02-May-24	02-May-24	02-May-24	02-May-24	01-May-24	01-May-24	01-May-24	01-May-24		
Approximate Depth (Feet)	0-2	2-5	5-10	10-15	0-2	2-5	5-10	10-15		
Semivolatile Organics by EPA 8270D (mg/kg)										
Total Semivolatile Organics	ND (Varies)	ND (Varies)	ND (Varies)	ND (Varies)	ND (Varies)	ND (Varies)	ND (Varies)	ND (Varies)	Varies	Varies
Polychlorinated Biphenyls by EPA 8082A (mg/kg)										
Total Polychlorinated Biphenyls	ND (Varies)	ND (Varies)	ND (Varies)	ND (Varies)	ND (Varies)	ND (Varies)	ND (Varies)	ND (Varies)	Varies	Varies
Total Metals Analysis by EPA 6020B (mg/kg)										
Arsenic	1.88	2.93	2.59	1.97	5.25	3.99	3.61	5.63	10[(1)]	28[(1)]
Beryllium	ND (0.270)	0.315	ND (0.278)	ND (0.287)	0.357	0.43	0.317	ND (0.304)	15,000	22,000
Chromium	10.5	15.4	10.7	9.82	20.8	17.7	18.1	25.9	12,000[(2)]	180,000[(2)]
Copper	5.06	5.65	6.49	4.45	7.21	8.32	7.79	12.2	310	4,700
Lead	4.46	4.22	3.96	3.09	5.18	6.72	3.9	5.4	200	550
Mercury	0.0148	0.0172	0.0176	0.0199	0.027	0.0344	ND (0.0144)	0.0307	1.1	4.6
Nickel	2.88	2.93	2.53	2.88	4.38	8.06	1.56	0.709	150	2,200
Selenium	0.747	0.854	1.07	1.23	1.1	1.27	1.23	1.69	39	580
Zinc	8.65	8.72	8.81	8.26	15.1	22.8	6.59	8.51	2,300	35,000
Hexavalent Chromium by EPA 7199 (mg/kg)										
Chromium, Hexavalent	ND (0.162)	ND (0.166)	ND (0.167)	ND (0.172)	0.171	0.263	**0.382**	**0.461**	0.3	6.3

(1) The MDE has adopted a standard which incorporates the bioavalability. The above standard is the typical bioavailability standard enforced by the MDE.
(2) Trivalent chromium standard
NA = Not analyzed
RSL = EPA Regional Screening Level
NP = The MDE/EPA has no published standard
mg/kg = Parts per million (milligrams per kilogram)
ND (#) = Not Detected (Laboratory Detection Limit)

Table 1B
Saddle Creek Property
Grab Soil Sample Analytical Results

Sample ID	1-01	1-03	1-04	1-05	1-06	1-08	1-09	1-10	MDE Residential Soil Cleanup Standard (mg/kg)	MDE Non-Residential Soil Cleanup Standard (mg/kg)
Date Collected	02-May-24	02-May-24	02-May-24	02-May-24	02-May-24	02-May-24	02-May-24	02-May-24		
Approximate Depth (Feet)	4.5-5	15-15.5	14.5-15	5.5-6	13-13.5	14-14.5	19-19.5	1.5-2		
Volatile Organics by EPA 8260B (mg/kg)										
Acetone	ND (0.0108)	0.013	0.0515	0.101	ND (0.0124)	ND (0.0123)	ND (0.0123)	ND (0.0109)	6,100	61,000
Methylene Chloride	0.0282	0.0325	0.0275	0.0336	0.0331	0.0353	0.0346	0.026	35	320
Total Petroleum Hydrocarbons by EPA 8015C (mg/kg)										
Gasoline-Range Organics	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	230	620
Diesel-Range Organics (C10-C28)	ND (8.6)	ND (9.9)	24.2	ND (9.5)	ND (9.9)	ND (9.8)	ND (9.8)	ND (8.7)	230	620

NA = Not analyzed
RSL = EPA Regional Screening Level
NP = The MDE/EPA has no published standard
mg/kg = Parts per million (milligrams per kilogram)
ND (#) = Not Detected (Laboratory Detection Limit)

Sample ID	2-01	2-03	2-04	2-05	2-06	2-07	2-09	2-10	MDE Residential Soil Cleanup Standard (mg/kg)	MDE Non-Residential Soil Cleanup Standard (mg/kg)
Date Collected	01-May-24	01-May-24	01-May-24	01-May-24	01-May-24	01-May-24	01-May-24	01-May-24		
Approximate Depth (Feet)	8.5-9	10.5-11	9.5-10	1.5-2	3.5-4	14-14.5	9-9.5	14.5-15		
Volatile Organics by EPA 8260B (mg/kg)										
Acetone	ND (0.0119)	ND (0.0124)	ND (0.0108)	ND (0.0106)	ND (0.0117)	ND (0.012)	ND (0.0122)	ND (0.011)	6,100	61,000
Methylene Chloride	0.0274	0.0347	0.0288	0.0227	0.03	0.029	0.0312	0.0258	35	320
Total Petroleum Hydrocarbons by EPA 8015C (mg/kg)										
Gasoline-Range Organics	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	230	620
Diesel-Range Organics (C10-C28)	ND (9.5)	ND (10.0)	11.1	11	ND (9.4)	ND (9.6)	ND (9.7)	ND (8.8)	230	620

NA = Not analyzed
RSL = EPA Regional Screening Level
NP = The MDE/EPA has no published standard
mg/kg = Parts per million (milligrams per kilogram)
ND (#) = Not Detected (Laboratory Detection Limit)

Table 2

Saddle Creek Property

Subsurface Water Sample Analytical Results

Sample ID	GW1-01	GW1-03	GW1-08	GW1-09	Groundwater Cleanup Standards (µg/L)
Date Collected	02-May-24	02-May-24	02-May-24	02-May-24	
Approximate Depth (Feet)	16	15	14	15	
Volatile Organics by EPA 8260B (µg/L)					
Acetone	114	17.3	32.9	ND (10.0)	1,400
Carbon Disulfide	ND (1.0)	1.3	ND (1.0)	ND (1.0)	81
Chloroform	ND (1.0)	ND (1.0)	4.3	ND (1.0)	80
Total Petroleum Hydrocarbons by EPA 8015C (µg/L)					
Gasoline-Range Organics	ND (45.0)	ND (45.0)	ND (45.0)	ND (45.0)	47
Diesel-Range Organics (C10-C28)	ND (230)	ND (270)	ND (240)	ND (260)	47

NA = Not analyzed

NP = The MDE/EPA has no published standard

µg/L = micrograms per liter

ND (#) = Not Detected (Laboratory Detection Limit)

Table 3
Saddle Creek Property
Soil Vapor Sample Analytical Results

Sample ID	SV1-01	SV1-06	SV1-10	SV2-01	SV2-05	MDE Tier 1 Residential Soil Vapor Screening Level	MDE Tier 2 Residential Soil Vapor Screening Level	MDE Tier 1 Non-Residential Soil Vapor Screening Level
Date Collected	02-May-24	02-May-24	02-May-24	02-May-24	02-May-24			
Approximate Depth (Feet)	5	5	5	5	5	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
Volatile Organics by EPA TO-15 ($\mu g/m^3$)								
Acetone	31.5	ND (9.60)	81.1	12.3	15.8	660,000	3,300,000	13,700,000
Benzene	5.75	53.7	3.96	11	ND (0.64)	64	320	1,600
1,3-Butadiene	ND (1.76)	ND (1.76)	ND (1.76)	4.25	ND (1.76)	16.4	82	410
Carbon Disulfide	6.48	24.4	ND (6.24)	ND (6.24)	ND (6.24)	14,600	73,000	310,000
Chloroform	1.76	ND (0.97)	0.98	5.86	ND (0.97)	22	110	540
Chloromethane	0.5	ND (0.41)	0.99	ND (0.41)	0.99	1,880	9,400	40,000
Cyclohexane	1.51	26.7	3.58	ND (0.69)	ND (0.69)	126,000	630,000	2,650,000
1,4-Dichlorobenzene	ND (1.20)	ND (1.20)	**88.3**	33.4	**50.7**	46	230	1,120
1,2-Dichloropropane	ND (0.92)	ND (0.92)	1.11	ND (0.92)	ND (0.92)	84	420	11,760
Ethyl Acetate	ND (14.4)	ND (14.4)	46.1	ND (14.4)	ND (14.4)	1,480	7,400	31,000
Ethylbenzene	2.43	7.82	22.4	1.56	ND (0.87)	200	1,000	5,000
4-Ethyltoluene	1.57	2.16	ND (0.98)	ND (0.98)	ND (0.98)	NP	NP	NP
N-Heptane	14.9	211	28.5	6.89	0.98	8,400	42,000	176,000
Hexane	ND (56.0)	584	ND (56.0)	ND (56.0)	ND (56.0)	14,600	73,000	308,000
Isopropylbenzene (Cumene)	ND (1.60)	ND (1.60)	1.97	ND (1.60)	ND (1.60)	8,400	42,000	176,000
Methyl Tert-Butyl Ether (MTBE)	0.87	ND (0.82)	ND (0.82)	ND (0.82)	ND (0.82)	1,880	9,400	47,200
Methyl Ethyl Ketone (2-Butanone)	7.08	7.2	10	ND (1.36)	ND (1.36)	106,000	530,000	2,200,000
Methyl Isobutyl Ketone	ND (3.28)	ND (3.28)	3.44	ND (3.28)	ND (3.28)	64,000	320,000	1,320,000
Propene	253	3500	408	22.7	9.29	64,000	320,000	1,320,000
Styrene	1.02	2.22	ND (0.59)	1.02	1.7	21,000	105,000	440,000
Tetrachloroethene	8.95	ND (2.80)	ND (2.80)	ND (2.80)	ND (2.80)	840	4,200	18,000
Toluene	15.5	74.5	31.7	21.6	3.77	106,000	530,000	2,200,000
Trichlorofluoromethane (Freon 11)	1.35	1.57	ND (1.10)	1.35	1.35	14,600	73,000	310,000
1,2,4-Trimethylbenzene	1.18	1.57	2.36	ND (0.98)	ND (0.98)	1,260	6,300	26,400
2,2,4-Trimethylpentane	ND (0.93)	ND (0.93)	4.67	2.06	ND (0.93)	NP	NP	NP
Vinyl Chloride	ND (0.51)	ND (0.51)	ND (0.51)	0.51	ND (0.51)	34	170	2,800
O-Xylene	1.74	3.65	17	1.22	ND (0.87)	2,100	10,500	44,000
M- & P-Xylenes	4.69	10.3	38.9	3.13	1.91	2,100	10,500	44,000

Maryland Department of the Environment Land Restoration Program Vapor Intrusion Guidance Document. Published September 2019.
NP = The MDE has no published standard
ND (#) = Not Detected (Laboratory Detection Limit)
µg/m3 = Parts per billion (micrograms per cubic meter)

Attachment A

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
MTFA Architecture, Inc.	**47:18315-A**	**OU1-01**	**1 of 1**
PROJECT NAME:	DRILLER/CONTRACTOR:		
Saddle Creek Drive P2ESA	**GSI Mid-Atlantic, Inc.**		
SITE LOCATION: **14709 Saddle Creek Drive, Burtonsville, Maryland, 20866**			LOSS OF CIRCULATION
LATITUDE:	LONGITUDE:	STATION:	SURFACE ELEVATION:	BOTTOM OF CASING

DEPTH (FT)	Sample Number	SAMPLE DIST. (IN)	RECOVERY (IN)	PID READING	DESCRIPTION OF MATERIAL	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (N - Value)*
0				0.0	Topsoil Thickness[6.00"]			
				0.0	(SP/GP) SAND WITH GRAVEL/GRAVEL WITH SAND, reddish brown, dry			
				0.0	(SM) SILTY SAND, tan, moist			
				0.0				
5	1-01			0.0			-5	
				0.0	(SM/GM) SILTY SAND WITH GRAVEL/GRAVEL WITH SAND, brown, moist			
				0.0				
				0.0				
				0.0				
10				0.0			-10	
				0.0				
				0.0				
				0.0				
				0.0				
15				0.0			-15	
				0.0	(SM/GM) SILTY SAND WITH GRAVEL/GRAVEL WITH SAND, tan, wet			
				0.0				
				0.0				
				0.0	(SM) SILTY SAND, tan, wet			
20				0.0	**END OF BORING AT 20 FT**		-20	
25							-25	
30								

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered) **16.00**	BORING STARTED: **May 02 2024**		CAVE IN DEPTH:
▼ WL (Completion)	BORING COMPLETED: **May 02 2024**		HAMMER TYPE:
▼ WL (Seasonal High Water)	EQUIPMENT: **7822DT GeoProbe**	LOGGED BY: **Nick Stella**	DRILLING METHOD:
▽ WL (Stabilized)			

ENVIRONMENTAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
MTFA Architecture, Inc.	**47:18315-A**	**OU1-02**	**1 of 1**
PROJECT NAME:	DRILLER/CONTRACTOR:		
Saddle Creek Drive P2ESA	**GSI Mid-Atlantic, Inc.**		
SITE LOCATION: **14709 Saddle Creek Drive, Burtonsville, Maryland, 20866**			LOSS OF CIRCULATION
LATITUDE:	LONGITUDE:	STATION:	SURFACE ELEVATION: / BOTTOM OF CASING

DEPTH (FT)	Sample Number	SAMPLE DIST. (IN)	RECOVERY (IN)	PID READING	DESCRIPTION OF MATERIAL	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (N - Value)*
0				0.0	Topsoil Thickness[6.00"]			
				0.0	(SP/GP) SAND WITH GRAVEL/GRAVEL WITH SAND, reddish brown, moist			
				0.0				
				0.0				
				0.0				
5				0.0			-5	
				0.0	(SM/GM) SILTY SAND WITH GRAVEL/GRAVEL WITH SAND, brown, moist			
				0.0				
				0.0				
				0.0				
10				0.0			-10	
				0.0				
				0.0				
				0.0				
				0.0	(SM) SILTY SAND, tan, moist			
15				0.0	**END OF BORING AT 15 FT**		-15	
20							-20	
25							-25	
30								

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered)	BORING STARTED: **May 02 2024**		CAVE IN DEPTH:
▼ WL (Completion)	BORING COMPLETED: **May 02 2024**		HAMMER TYPE:
⧩ WL (Seasonal High Water)	EQUIPMENT: **7822DT GeoProbe**	LOGGED BY: **Nick Stella**	DRILLING METHOD:
⧩ WL (Stabilized)			

ENVIRONMENTAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
MTFA Architecture, Inc.	**47:18315-A**	**OU1-03**	**1 of 1**
PROJECT NAME:	DRILLER/CONTRACTOR:		
Saddle Creek Drive P2ESA	**GSI Mid-Atlantic, Inc.**		
SITE LOCATION: **14709 Saddle Creek Drive, Burtonsville, Maryland, 20866**			LOSS OF CIRCULATION
LATITUDE:	LONGITUDE:	STATION:	SURFACE ELEVATION:	BOTTOM OF CASING

DEPTH (FT)	Sample Number	SAMPLE DIST. (IN)	RECOVERY (IN)	PID READING	DESCRIPTION OF MATERIAL	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (N - Value)*
0				0.0	Topsoil Thickness[6.00"]		0	
				0.0	(SP/GP) SAND WITH GRAVEL/GRAVEL WITH SAND, reddish brown, moist			
				0.0				
				0.0				
5				0.0	(SM) SILTY SAND, tan, moist		-5	
				0.0	(SM) SILTY SAND, reddish brown to tan, moist			
				0.0				
				0.0				
				0.0				
10				0.0			-10	
				0.0				
				0.0				
				0.0				
				0.0				
15	1-03			0.0	(SM) SILTY SAND, tan, saturated	▽	-15	
				0.0				
				0.0				
				0.0				
				0.0				
20				0.0	**END OF BORING AT 20 FT**		-20	
25							-25	
30								

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered) **15.00**	BORING STARTED: **May 02 2024**		CAVE IN DEPTH:
▼ WL (Completion)	BORING COMPLETED: **May 02 2024**		HAMMER TYPE:
▼ WL (Seasonal High Water)	EQUIPMENT: **7822DT GeoProbe**	LOGGED BY: **Nick Stella**	DRILLING METHOD:
▽ WL (Stabilized)			

ENVIRONMENTAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
MTFA Architecture, Inc.	**47:18315-A**	**OU1-04**	**1 of 1**
PROJECT NAME:	DRILLER/CONTRACTOR:		
Saddle Creek Drive P2ESA	**GSI Mid-Atlantic, Inc.**		
SITE LOCATION: **14709 Saddle Creek Drive, Burtonsville, Maryland, 20866**			LOSS OF CIRCULATION
LATITUDE:	LONGITUDE:	STATION:	SURFACE ELEVATION:	BOTTOM OF CASING

DEPTH (FT)	Sample Number	SAMPLE DIST. (IN)	RECOVERY (IN)	PID READING	DESCRIPTION OF MATERIAL	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (N - Value)*
0				0.0	Topsoil Thickness[6.00"]		0	
				0.0	(SM/GM) SILTY SAND WITH GRAVEL/GRAVEL WITH SAND, brown, moist			
				0.0				
				0.0				
				0.0				
5				0.0			-5	
				0.0	(SC/GC) CLAYEY SAND WITH GRAVEL/GRAVEL WITH SAND, brown, moist			
				0.0				
				0.0				
				0.0				
10				0.0			-10	
				0.0				
				0.0				
				0.0				
				0.0				
15	1-04			0.0	**END OF BORING AT 15 FT**		-15	
20							-20	
25							-25	
30								

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered)	BORING STARTED: **May 02 2024**		CAVE IN DEPTH:
▼ WL (Completion)	BORING COMPLETED: **May 02 2024**		HAMMER TYPE:
▼ WL (Seasonal High Water)	EQUIPMENT: **7822DT GeoProbe**	LOGGED BY: **Nick Stella**	DRILLING METHOD:
▽ WL (Stabilized)			

ENVIRONMENTAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
MTFA Architecture, Inc.	**47:18315-A**	**OU1-05**	**1 of 1**
PROJECT NAME:	DRILLER/CONTRACTOR:		
Saddle Creek Drive P2ESA	**GSI Mid-Atlantic, Inc.**		
SITE LOCATION: **14709 Saddle Creek Drive, Burtonsville, Maryland, 20866**			LOSS OF CIRCULATION
LATITUDE:	LONGITUDE:	STATION:	SURFACE ELEVATION:	BOTTOM OF CASING

DEPTH (FT)	Sample Number	SAMPLE DIST. (IN)	RECOVERY (IN)	PID READING	DESCRIPTION OF MATERIAL	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (N - Value)*
0				0.0	Topsoil Thickness[6.00"]			
				0.0	(SM/GM) SILTY SAND WITH GRAVEL/GRAVEL WITH SAND, brown, dry			
				0.0				
				0.0				
				0.0				
5				0.0	(SC/GC) CLAYEY SAND WITH GRAVEL/GRAVEL WITH SAND, dark brown, moist		-5	
	1-05			0.0				
				0.0				
				0.0	(SM/GM) SILTY SAND WITH GRAVEL/GRAVEL WITH SAND, reddish brown/ tan, moist			
				0.0				
				0.0				
10				0.0			-10	
				0.0	(SC) CLAYEY SAND, dark brown, moist			
				0.0				
				0.0				
				0.0				
15				0.0	(SM/GM) SILTY SAND WITH GRAVEL/GRAVEL WITH SAND, reddish brown, moist		-15	
					END OF BORING AT 15 FT			
20							-20	
25							-25	
30								

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered)	BORING STARTED: **May 02 2024**		CAVE IN DEPTH:
▼ WL (Completion)	BORING COMPLETED: **May 02 2024**		HAMMER TYPE:
⧩ WL (Seasonal High Water)	EQUIPMENT: **7822DT GeoProbe**	LOGGED BY: **Nick Stella**	DRILLING METHOD:
⧩ WL (Stabilized)			

ENVIRONMENTAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
MTFA Architecture, Inc.	**47:18315-A**	**OU1-06**	**1 of 1**
PROJECT NAME:	DRILLER/CONTRACTOR:		
Saddle Creek Drive P2ESA	**GSI Mid-Atlantic, Inc.**		
SITE LOCATION: **14709 Saddle Creek Drive, Burtonsville, Maryland, 20866**			LOSS OF CIRCULATION
LATITUDE:	LONGITUDE:	STATION:	SURFACE ELEVATION:	BOTTOM OF CASING

DEPTH (FT)	Sample Number	SAMPLE DIST. (IN)	RECOVERY (IN)	PID READING	DESCRIPTION OF MATERIAL	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (N - Value)*
0				0.0	Topsoil Thickness[6.00"]			
				0.0	(SP/GP) SAND WITH GRAVEL/GRAVEL WITH SAND, reddish brown, dry			
				0.0	(SM) SILTY SAND, brown to tan, moist			
				0.0				
5				0.0			-5	
				0.0				
				0.0				
				0.0				
				0.0				
10				0.0			-10	
				0.0				
				0.0	(SM) SILTY SAND, tan/ gray, moist to saturated			
	1-06			0.0		▽		
				0.0				
15				0.0	**END OF BORING AT 15 FT**		-15	
20							-20	
25							-25	
30								

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered) **13.00**	BORING STARTED: **May 02 2024**	CAVE IN DEPTH:	
▼ WL (Completion)	BORING COMPLETED: **May 02 2024**	HAMMER TYPE:	
▼ WL (Seasonal High Water)	EQUIPMENT: **7822DT GeoProbe**	LOGGED BY: **Nick Stella**	DRILLING METHOD:
▽ WL (Stabilized)			

ENVIRONMENTAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
MTFA Architecture, Inc.	**47:18315-A**	**OU1-07**	**1 of 1**
PROJECT NAME:	DRILLER/CONTRACTOR:		
Saddle Creek Drive P2ESA	**GSI Mid-Atlantic, Inc.**		
SITE LOCATION: **14709 Saddle Creek Drive, Burtonsville, Maryland, 20866**			LOSS OF CIRCULATION
LATITUDE:	LONGITUDE:	STATION:	SURFACE ELEVATION:	BOTTOM OF CASING

DEPTH (FT)	Sample Number	SAMPLE DIST. (IN)	RECOVERY (IN)	PID READING	DESCRIPTION OF MATERIAL	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (N - Value)*
0				0.0	Topsoil Thickness[6.00"]			
				0.0	(SM/GM) SILTY SAND WITH GRAVEL/GRAVEL WITH SAND, brown, dry			
				0.0				
				0.0				
				0.0				
5				0.0			-5	
				0.0	(SC/GC) CLAYEY SAND WITH GRAVEL/GRAVEL WITH SAND, dark brown/ reddish brown, moist			
				0.0				
				0.0				
				0.0				
10				0.0	(SM) SILTY SAND, reddish brown/ tan, moist		-10	
				0.0				
				0.0				
				0.0				
				0.0				
15				0.0	**END OF BORING AT 15 FT**		-15	
20							-20	
25							-25	
30								

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered)	BORING STARTED: **May 02 2024**		CAVE IN DEPTH:
▼ WL (Completion)	BORING COMPLETED: **May 02 2024**		HAMMER TYPE:
▼ WL (Seasonal High Water)	EQUIPMENT: **7822DT GeoProbe**	LOGGED BY: **Nick Stella**	DRILLING METHOD:
▽ WL (Stabilized)			

ENVIRONMENTAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
MTFA Architecture, Inc.	**47:18315-A**	**OU1-08**	**1 of 1**
PROJECT NAME:	DRILLER/CONTRACTOR:		
Saddle Creek Drive P2ESA	**GSI Mid-Atlantic, Inc.**		
SITE LOCATION: **14709 Saddle Creek Drive, Burtonsville, Maryland, 20866**			LOSS OF CIRCULATION
LATITUDE:	LONGITUDE:	STATION:	SURFACE ELEVATION:	BOTTOM OF CASING

DEPTH (FT)	Sample Number	SAMPLE DIST. (IN)	RECOVERY (IN)	PID READING	DESCRIPTION OF MATERIAL	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (N - Value)*
0				0.0	Topsoil Thickness[6.00"]		0	
				0.0	(SM/GM) SILTY SAND WITH GRAVEL/GRAVEL WITH SAND, brown, dry			
				0.0				
				0.0				
				0.0				
5				0.0	(SM) SILTY SAND, tan, dry		-5	
				0.0	(SC/GC) CLAYEY SAND WITH GRAVEL/GRAVEL WITH SAND, dark brown, moist			
				0.0	(SM/GM) SILTY SAND WITH GRAVEL/GRAVEL WITH SAND, reddish brown, moist			
				0.0	(SM) SILTY SAND, tan, moist to saturated			
10				0.0			-10	
				0.0				
				0.0				
				0.0				
	1-08			0.0		▽		
15				0.0			-15	
				0.0				
				0.0				
				0.0				
				0.0	**SAMPLER REFUSAL AT 18 FT**			
20							-20	
25							-25	
30								

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered) **14.00**	BORING STARTED: **May 02 2024**	CAVE IN DEPTH:	
▼ WL (Completion)	BORING COMPLETED: **May 02 2024**	HAMMER TYPE:	
▼ WL (Seasonal High Water)	EQUIPMENT: **7822DT GeoProbe**	LOGGED BY: **Nick Stella**	DRILLING METHOD:
▽ WL (Stabilized)			

ENVIRONMENTAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
MTFA Architecture, Inc.	**47:18315-A**	**OU1-09**	**1 of 1**
PROJECT NAME:	DRILLER/CONTRACTOR:		
Saddle Creek Drive P2ESA	**GSI Mid-Atlantic, Inc.**		
SITE LOCATION: **14709 Saddle Creek Drive, Burtonsville, Maryland, 20866**			LOSS OF CIRCULATION
LATITUDE:	LONGITUDE:	STATION:	SURFACE ELEVATION:	BOTTOM OF CASING

DEPTH (FT)	Sample Number	SAMPLE DIST. (IN)	RECOVERY (IN)	PID READING	DESCRIPTION OF MATERIAL	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (N - Value)*
0				0.0	Topsoil Thickness[6.00"]		0	
				0.0	(SM) SILTY SAND, tan, moist			
				0.0				
				0.0				
				0.0				
5				0.0			-5	
				0.0	(SM) SILTY SAND, brown, moist			
				0.0				
				0.0				
				0.0				
10				0.0			-10	
				0.0	(SM/GM) SILTY SAND WITH GRAVEL/GRAVEL WITH SAND, brown, moist			
				0.0				
				0.0	(SM) SILTY SAND, tan, moist to saturated			
				0.0				
15				0.0		▽	-15	
				0.0				
				0.0				
				0.0				
	1-09			0.0				
20				0.0	**END OF BORING AT 20 FT**		-20	
25							-25	
30								

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered) **15.00**	BORING STARTED: **May 02 2024**		CAVE IN DEPTH:
▼ WL (Completion)	BORING COMPLETED: **May 02 2024**		HAMMER TYPE:
⧩ WL (Seasonal High Water)	EQUIPMENT: **7822DT GeoProbe**	LOGGED BY: **Nick Stella**	DRILLING METHOD:
⧩ WL (Stabilized)			

ENVIRONMENTAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
MTFA Architecture, Inc.	**47:18315-A**	**OU1-10**	**1 of 1**
PROJECT NAME:	DRILLER/CONTRACTOR:		
Saddle Creek Drive P2ESA	**GSI Mid-Atlantic, Inc.**		
SITE LOCATION:			LOSS OF CIRCULATION
14709 Saddle Creek Drive, Burtonsville, Maryland, 20866			
LATITUDE:	LONGITUDE:	STATION:	SURFACE ELEVATION:	BOTTOM OF CASING

DEPTH (FT)	Sample Number	SAMPLE DIST. (IN)	RECOVERY (IN)	PID READING	DESCRIPTION OF MATERIAL	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (N - Value)*
0					Topsoil Thickness[6.00"]			
	1-10			0.0	(SM/GM) SILTY SAND WITH GRAVEL/GRAVEL WITH SAND, brown, dry			
				0.0	(SM) SILTY SAND, reddish brown, dry to saturated			
				0.0				
				0.0				
5				0.0			-5	
				0.0				
				0.0				
				0.0				
				0.0				
10				0.0			-10	
				0.0				
				0.0				
				0.0				
				0.0				
15				0.0	**END OF BORING AT 15 FT**		-15	
20							-20	
25							-25	
30								

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered)	BORING STARTED: **May 02 2024**		CAVE IN DEPTH:
▼ WL (Completion)	BORING COMPLETED: **May 02 2024**		HAMMER TYPE:
⧩ WL (Seasonal High Water)	EQUIPMENT: **7822DT GeoProbe**	LOGGED BY: **Nick Stella**	DRILLING METHOD:
⧩ WL (Stabilized)			

ENVIRONMENTAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
MTFA Architecture, Inc.	**47:18315-A**	**OU2-01**	**1 of 1**
PROJECT NAME:	DRILLER/CONTRACTOR:		
Saddle Creek Drive P2ESA	**GSI Mid-Atlantic, Inc.**		
SITE LOCATION: **14709 Saddle Creek Drive, Burtonsville, Maryland, 20866**			LOSS OF CIRCULATION
LATITUDE:	LONGITUDE:	STATION:	SURFACE ELEVATION:	BOTTOM OF CASING

DEPTH (FT)	Sample Number	SAMPLE DIST. (IN)	RECOVERY (IN)	PID READING	DESCRIPTION OF MATERIAL	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (N - Value)*
				0.0	Topsoil Thickness[4.00"]			
				0.0	(ML) SILT, brown, moist			
				0.0				
				0.0				
5				0.0			-5	
				0.0				
				0.0				
				0.0				
	2-01			0.0	(ML) SILT, brown, wet			
10				0.0	(CL/ML) SILTY CLAY, tan/ white, moist		-10	
				0.0				
				0.0				
				0.0				
				0.0				
15				0.0	**END OF BORING AT 15 FT**		-15	
20							-20	
25							-25	
30								

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered)	BORING STARTED: **May 01 2024**		CAVE IN DEPTH:
▼ WL (Completion)	BORING COMPLETED: **May 01 2024**		HAMMER TYPE:
▼ WL (Seasonal High Water)	EQUIPMENT: **7822DT GeoProbe**	LOGGED BY: **Nick Stella**	DRILLING METHOD:
▽ WL (Stabilized)			

ENVIRONMENTAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
MTFA Architecture, Inc.	**47:18315-A**	**OU2-02**	**1 of 1**
PROJECT NAME:	DRILLER/CONTRACTOR:		
Saddle Creek Drive P2ESA	**GSI Mid-Atlantic, Inc.**		
SITE LOCATION: **14709 Saddle Creek Drive, Burtonsville, Maryland, 20866**			LOSS OF CIRCULATION
LATITUDE:	LONGITUDE:	STATION:	SURFACE ELEVATION:	BOTTOM OF CASING

DEPTH (FT)	Sample Number	SAMPLE DIST. (IN)	RECOVERY (IN)	PID READING	DESCRIPTION OF MATERIAL	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (N - Value)*
0				0.0	Topsoil Thickness[2.00"]			
				0.0	(ML) SILT, brown, dry			
				0.0	(SP/GP) SAND WITH GRAVEL/GRAVEL WITH SAND, brown/ tan, dry			
				0.0				
5				0.0			-5	
				0.0	(ML) SILT, tan, moist			
				0.0				
				0.0				
				0.0	(ML) SILT, tan, wet			
10				0.0			-10	
				0.0				
				0.0	(CL/ML) SILTY CLAY, tan/ white, moist			
				0.0				
				0.0				
15				0.0	**END OF BORING AT 15 FT**		-15	
20							-20	
25							-25	
30								

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered) **8.00**	BORING STARTED: **May 01 2024**		CAVE IN DEPTH:
▼ WL (Completion)	BORING COMPLETED: **May 01 2024**		HAMMER TYPE:
▼ WL (Seasonal High Water)	EQUIPMENT: **7822DT GeoProbe**	LOGGED BY: **Nick Stella**	DRILLING METHOD:
▽ WL (Stabilized)			

ENVIRONMENTAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
MTFA Architecture, Inc.	**47:18315-A**	**OU2-03**	**1 of 1**
PROJECT NAME:	DRILLER/CONTRACTOR:		
Saddle Creek Drive P2ESA	**GSI Mid-Atlantic, Inc.**		
SITE LOCATION: **14709 Saddle Creek Drive, Burtonsville, Maryland, 20866**			LOSS OF CIRCULATION
LATITUDE:	LONGITUDE:	STATION:	SURFACE ELEVATION:	BOTTOM OF CASING

DEPTH (FT)	Sample Number	SAMPLE DIST. (IN)	RECOVERY (IN)	PID READING	DESCRIPTION OF MATERIAL	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (N - Value)*
0				0.0	NO RECOVERY		0	
5				0.0	(SC/GC) CLAYEY SAND WITH GRAVEL/GRAVEL WITH SAND, brown, moist		-5	
10	2-03			0.0	(SM) SILTY SAND, tan, moist		-10	
15				0.0	(SM) SILTY SAND, tan, saturated	▽	-15	
20					(CL/ML) SILTY CLAY, tan, moist		-20	
25					**END OF BORING AT 15 FT**		-25	
30								

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered)	**10.00**	BORING STARTED: **May 01 2024**		CAVE IN DEPTH:
▼ WL (Completion)		BORING COMPLETED: **May 01 2024**		HAMMER TYPE:
▼ WL (Seasonal High Water)		EQUIPMENT: **7822DT GeoProbe**	LOGGED BY: **Nick Stella**	DRILLING METHOD:
▽ WL (Stabilized)				

ENVIRONMENTAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
MTFA Architecture, Inc.	**47:18315-A**	**OU2-04**	**1 of 1**
PROJECT NAME:	DRILLER/CONTRACTOR:		
Saddle Creek Drive P2ESA	**GSI Mid-Atlantic, Inc.**		
SITE LOCATION: **14709 Saddle Creek Drive, Burtonsville, Maryland, 20866**			LOSS OF CIRCULATION
LATITUDE:	LONGITUDE:	STATION:	SURFACE ELEVATION:	BOTTOM OF CASING

DEPTH (FT)	Sample Number	SAMPLE DIST. (IN)	RECOVERY (IN)	PID READING	DESCRIPTION OF MATERIAL	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (N - Value)*
				0.0	Topsoil Thickness[2.00"]			
				0.0	(ML) SILT, brown, moist			
				0.0	(SP/GP) SAND WITH GRAVEL/GRAVEL WITH SAND, tan, moist			
				0.0				
5				0.0			-5	
				0.0				
				0.0				
				0.0	(SM/GM) SILTY SAND WITH GRAVEL/GRAVEL WITH SAND, tan, moist			
				0.0				
				0.0				
10	2-04			0.0			-10	
				0.0	(ML/CL) CLAYEY SILT, tan/ white, wet			
				0.0				
				0.0				
				0.0				
15				0.0	**END OF BORING AT 15 FT**		-15	
20							-20	
25							-25	
30								

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered)	BORING STARTED: **May 01 2024**		CAVE IN DEPTH:
▼ WL (Completion)	BORING COMPLETED: **May 01 2024**		HAMMER TYPE:
⧩ WL (Seasonal High Water)	EQUIPMENT: **7822DT GeoProbe**	LOGGED BY: **Nick Stella**	DRILLING METHOD:
⧨ WL (Stabilized)			

ENVIRONMENTAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
MTFA Architecture, Inc.	**47:18315-A**	**OU2-05**	**1 of 1**
PROJECT NAME:	DRILLER/CONTRACTOR:		
Saddle Creek Drive P2ESA	**GSI Mid-Atlantic, Inc.**		
SITE LOCATION: **14709 Saddle Creek Drive, Burtonsville, Maryland, 20866**			LOSS OF CIRCULATION
LATITUDE:	LONGITUDE:	STATION:	SURFACE ELEVATION:	BOTTOM OF CASING

DEPTH (FT)	Sample Number	SAMPLE DIST. (IN)	RECOVERY (IN)	PID READING	DESCRIPTION OF MATERIAL	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (N - Value)*
0				0.0	Topsoil Thickness[2.00"]			
	2-05			0.0	(SM/GM) SILTY SAND WITH GRAVEL/GRAVEL WITH SAND, brown, moist			
				0.0				
				0.0				
5				0.0			-5	
				0.0	(ML) SILT, tan, moist			
				0.0				
				0.0				
				0.0				
10				0.0			-10	
				0.0				
				0.0				
				0.0				
				0.0				
15				0.0	(ML/CL) CLAYEY SILT, tan/ white, wet		-15	
					END OF BORING AT 15 FT			
20							-20	
25							-25	
30								

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered)	BORING STARTED: **May 01 2024**		CAVE IN DEPTH:
▼ WL (Completion)	BORING COMPLETED: **May 01 2024**		HAMMER TYPE:
⧩ WL (Seasonal High Water)	EQUIPMENT: **7822DT GeoProbe**	LOGGED BY: **Nick Stella**	DRILLING METHOD:
⧩ WL (Stabilized)			

ENVIRONMENTAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
MTFA Architecture, Inc.	**47:18315-A**	**OU2-06**	**1 of 1**
PROJECT NAME:	DRILLER/CONTRACTOR:		
Saddle Creek Drive P2ESA	**GSI Mid-Atlantic, Inc.**		
SITE LOCATION: **14709 Saddle Creek Drive, Burtonsville, Maryland, 20866**			LOSS OF CIRCULATION
LATITUDE:	LONGITUDE:	STATION:	SURFACE ELEVATION:	BOTTOM OF CASING

DEPTH (FT)	Sample Number	SAMPLE DIST. (IN)	RECOVERY (IN)	PID READING	DESCRIPTION OF MATERIAL	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (N - Value)*
0				0.0	Topsoil Thickness[2.00"]			
				0.0	(SM/GM) SILTY SAND WITH GRAVEL/GRAVEL WITH SAND, brown, moist			
				0.0	(ML) SILT, tan, moist			
	2-06			0.0				
5				0.0	(CL/ML) SILTY CLAY, tan/ gray, wet		-5	
				0.0				
				0.0				
				0.0				
				0.0				
10				0.0	(ML) SILT, tan, wet		-10	
				0.0				
				0.0				
				0.0				
				0.0				
15				0.0	(CL/GC) SANDY LEAN CLAY WITH GRAVEL/CLAYEY GRAVEL WITH SAND, tan, moist		-15	
					END OF BORING AT 15 FT			
20							-20	
25							-25	
30								

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered)	BORING STARTED: **May 01 2024**		CAVE IN DEPTH:
▼ WL (Completion)	BORING COMPLETED: **May 01 2024**		HAMMER TYPE:
▼ WL (Seasonal High Water)	EQUIPMENT: **7822DT GeoProbe**	LOGGED BY: **Nick Stella**	DRILLING METHOD:
▽ WL (Stabilized)			

ENVIRONMENTAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
MTFA Architecture, Inc.	**47:18315-A**	**OU2-07**	**1 of 1**
PROJECT NAME:	DRILLER/CONTRACTOR:		
Saddle Creek Drive P2ESA	**GSI Mid-Atlantic, Inc.**		
SITE LOCATION: **14709 Saddle Creek Drive, Burtonsville, Maryland, 20866**			LOSS OF CIRCULATION
LATITUDE:	LONGITUDE:	STATION:	SURFACE ELEVATION: / BOTTOM OF CASING

DEPTH (FT)	Sample Number	SAMPLE DIST. (IN)	RECOVERY (IN)	PID READING	DESCRIPTION OF MATERIAL	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (N - Value)*
				0.0	Topsoil Thickness[2.00"]			
				0.0	(ML/CL) CLAYEY SILT, brown, moist			
				0.0				
				0.0				
5				0.0			-5	
				0.0	(SP/GP) SAND WITH GRAVEL/GRAVEL WITH SAND, brown, dry			
				0.0				
				0.0				
				0.0				
10				0.0	(CL) LEAN CLAY, tan/ white, moist		-10	
				0.0				
				0.0				
				0.0				
	2-07			0.0	(ML/CL) CLAYEY SILT, tan, moist			
15				0.0	**END OF BORING AT 15 FT**		-15	
20							-20	
25							-25	
30								

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered)	BORING STARTED: **May 01 2024**		CAVE IN DEPTH:
▼ WL (Completion)	BORING COMPLETED: **May 01 2024**		HAMMER TYPE:
⧩ WL (Seasonal High Water)	EQUIPMENT: **7822DT GeoProbe**	LOGGED BY: **Nick Stella**	DRILLING METHOD:
⧩ WL (Stabilized)			

ENVIRONMENTAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
MTFA Architecture, Inc.	**47:18315-A**	**OU2-08**	**1 of 1**
PROJECT NAME:	DRILLER/CONTRACTOR:		
Saddle Creek Drive P2ESA	**GSI Mid-Atlantic, Inc.**		
SITE LOCATION: **14709 Saddle Creek Drive, Burtonsville, Maryland, 20866**			LOSS OF CIRCULATION
LATITUDE:	LONGITUDE:	STATION:	SURFACE ELEVATION:	BOTTOM OF CASING

DEPTH (FT)	Sample Number	SAMPLE DIST. (IN)	RECOVERY (IN)	PID READING	DESCRIPTION OF MATERIAL	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (N - Value)*
0				0.0	Topsoil Thickness[6.00"]			
				0.0	(SP/GP) SAND WITH GRAVEL/GRAVEL WITH SAND, brown, dry			
				0.0				
				0.0				
5				0.0	(ML) SILT, tan, moist		-5	
				0.0				
				0.0	(CH) FAT CLAY, tan/ red, moist			
				0.0				
				0.0				
10				0.0	(ML) SILT, tan/ gray, wet		-10	
				0.0				
				0.0				
				0.0				
				0.0				
15				0.0	**END OF BORING AT 15 FT**		-15	
20							-20	
25							-25	
30								

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered)	BORING STARTED: **May 01 2024**		CAVE IN DEPTH:
▼ WL (Completion)	BORING COMPLETED: **May 01 2024**		HAMMER TYPE:
⧩ WL (Seasonal High Water)	EQUIPMENT: **7822DT GeoProbe**	LOGGED BY: **Nick Stella**	DRILLING METHOD:
⧩ WL (Stabilized)			

ENVIRONMENTAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
MTFA Architecture, Inc.	**47:18315-A**	**OU2-09**	**1 of 1**
PROJECT NAME:	DRILLER/CONTRACTOR:		
Saddle Creek Drive P2ESA	**GSI Mid-Atlantic, Inc.**		
SITE LOCATION: **14709 Saddle Creek Drive, Burtonsville, Maryland, 20866**			LOSS OF CIRCULATION
LATITUDE:	LONGITUDE:	STATION:	SURFACE ELEVATION:	BOTTOM OF CASING

DEPTH (FT)	Sample Number	SAMPLE DIST. (IN)	RECOVERY (IN)	PID READING	DESCRIPTION OF MATERIAL	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (N - Value)*
0				0.0	Topsoil Thickness[2.00"]			
				0.0	(SM/GM) SILTY SAND WITH GRAVEL/GRAVEL WITH SAND, brown, moist			
				0.0	(CH) FAT CLAY, tan/ red, moist			
				0.0				
5				0.0			-5	
				0.0				
				0.0	(ML/CL) CLAYEY SILT, tan/ gray, moist			
	2-09			0.0				
10				0.0			-10	
				0.0				
				0.0				
				0.0				
15				0.0	**END OF BORING AT 15 FT**		-15	
20							-20	
25							-25	
30								

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered)	BORING STARTED: **May 01 2024**		CAVE IN DEPTH:
▼ WL (Completion)	BORING COMPLETED: **May 01 2024**		HAMMER TYPE:
⧩ WL (Seasonal High Water)	EQUIPMENT: **7822DT GeoProbe**	LOGGED BY: **Nick Stella**	DRILLING METHOD:
⧩ WL (Stabilized)			

ENVIRONMENTAL BOREHOLE LOG

CLIENT:	PROJECT NO.:	BORING NO.:	SHEET:
MTFA Architecture, Inc.	**47:18315-A**	**OU2-10**	**1 of 1**
PROJECT NAME:	DRILLER/CONTRACTOR:		
Saddle Creek Drive P2ESA	**GSI Mid-Atlantic, Inc.**		
SITE LOCATION: **14709 Saddle Creek Drive, Burtonsville, Maryland, 20866**			LOSS OF CIRCULATION
LATITUDE:	LONGITUDE:	STATION:	SURFACE ELEVATION:	BOTTOM OF CASING

DEPTH (FT)	Sample Number	SAMPLE DIST. (IN)	RECOVERY (IN)	PID READING	DESCRIPTION OF MATERIAL	WATER LEVELS	ELEVATION (FT)	BLOWS/6" (N - Value)*
0				0.0	Topsoil Thickness[2.00"]			
				0.0	(SM/GM) SILTY SAND WITH GRAVEL/GRAVEL WITH SAND, brown/ tan, moist			
				0.0				
				0.0				
				0.0				
5				0.0			-5	
				0.0				
				0.0				
				0.0				
				0.0				
10				0.0	(ML) SILT, contains mica, gray/ tan, dry		-10	
				0.0				
				0.0				
				0.0				
				0.0				
15	2-10			0.0	**END OF BORING AT 15 FT**		-15	
20							-20	
25							-25	
30								

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU THE TRANSITION MAY BE GRADUAL

▽ WL (First Encountered)	BORING STARTED: **May 01 2024**		CAVE IN DEPTH:
▼ WL (Completion)	BORING COMPLETED: **May 01 2024**		HAMMER TYPE:
⧩ WL (Seasonal High Water)	EQUIPMENT: **7822DT GeoProbe**	LOGGED BY: **Nick Stella**	DRILLING METHOD:
⧨ WL (Stabilized)			

ENVIRONMENTAL BOREHOLE LOG

Attachment B

Maryland spectral Services

Analytical Chemistry Services

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com
VELAP ID 460040

08 May 2024

Nick Stella
ECS-Baltimore
1340 Charwood Rd, Suite A
Baltimore, MD 21076
RE: Saddle Creek

Enclosed are the results of analyses for samples received by the laboratory on 05/01/24 16:05.

Maryland Spectral Services, Inc. is a TNI 2016 Standard accredited laboratory and as such, all analyses performed at Maryland Spectral Services included in this report are 2016 TNI certified except as indicated at the end of this report. Please visit our website at www.mdspectral.com for a complete listing of our TNI 2016 Standard accreditations.

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

Sincerely,

Rabecka Koons
Quality Assurance Officer

Maryland spectral Services

Analytical Chemistry Services

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
OU-2A		4050124-01	Soil	05/01/24 15:00	05/01/24 16:05
OU-2B		4050124-02	Soil	05/01/24 15:05	05/01/24 16:05
OU-2C		4050124-03	Soil	05/01/24 15:10	05/01/24 16:05
OU-2D		4050124-04	Soil	05/01/24 15:15	05/01/24 16:05
2-01		4050124-05	Soil	05/01/24 10:15	05/01/24 16:05
2-03		4050124-06	Soil	05/01/24 09:30	05/01/24 16:05
2-04		4050124-07	Soil	05/01/24 10:45	05/01/24 16:05
2-05		4050124-08	Soil	05/01/24 11:00	05/01/24 16:05
2-06		4050124-09	Soil	05/01/24 13:30	05/01/24 16:05
2-07		4050124-10	Soil	05/01/24 11:45	05/01/24 16:05
2-09		4050124-11	Soil	05/01/24 14:30	05/01/24 16:05
2-10		4050124-12	Soil	05/01/24 14:15	05/01/24 16:05

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rabecka Koons, Quality Assurance Officer

All analyses performed at Maryland Spectral Services included in the report are TNI certified except as indicated at the end of the report.

Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

OU-2A

4050124-01 (Soil)
Sampled on: 05/01/24 15:00

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Semivolatile Organics by EPA 8270D (GC/MS) Prepared by 3540-GCMS(Soxhlet)									
Acenaphthene	ND		ug/kg dry	90	90	1	05/03/24	05/06/24 14:42	EH
Acenaphthylene	ND		ug/kg dry	90	90	1	05/03/24	05/06/24 14:42	EH
Anthracene	ND		ug/kg dry	90	90	1	05/03/24	05/06/24 14:42	EH
Benzo[a]anthracene	ND		ug/kg dry	90	90	1	05/03/24	05/06/24 14:42	EH
Benzo[b]fluoranthene	ND		ug/kg dry	90	90	1	05/03/24	05/06/24 14:42	EH
Benzo[k]fluoranthene	ND		ug/kg dry	90	90	1	05/03/24	05/06/24 14:42	EH
Benzo[g,h,i]perylene	ND		ug/kg dry	90	90	1	05/03/24	05/06/24 14:42	EH
Benzo[a]pyrene	ND		ug/kg dry	90	90	1	05/03/24	05/06/24 14:42	EH
Chrysene	ND		ug/kg dry	90	90	1	05/03/24	05/06/24 14:42	EH
Dibenz[a,h]anthracene	ND		ug/kg dry	90	90	1	05/03/24	05/06/24 14:42	EH
Fluoranthene	ND		ug/kg dry	90	90	1	05/03/24	05/06/24 14:42	EH
Fluorene	ND		ug/kg dry	90	90	1	05/03/24	05/06/24 14:42	EH
Indeno[1,2,3-cd]pyrene	ND		ug/kg dry	90	90	1	05/03/24	05/06/24 14:42	EH
2-Methylnaphthalene	ND		ug/kg dry	90	90	1	05/03/24	05/06/24 14:42	EH
Naphthalene	ND		ug/kg dry	90	90	1	05/03/24	05/06/24 14:42	EH
Phenanthrene	ND		ug/kg dry	90	90	1	05/03/24	05/06/24 14:42	EH
Pyrene	ND		ug/kg dry	90	90	1	05/03/24	05/06/24 14:42	EH
Surrogate: 2-Fluorophenol			*23-121*	*91 %*	*05/03/24*		*05/06/24 14:42*		
Surrogate: Phenol-d5			*24-113*	*95 %*	*05/03/24*		*05/06/24 14:42*		
Surrogate: Nitrobenzene-d5			*23-120*	*92 %*	*05/03/24*		*05/06/24 14:42*		
Surrogate: 2,4,6-Tribromophenol			*19-122*	*89 %*	*05/03/24*		*05/06/24 14:42*		
Surrogate: 2-Fluorobiphenyl			*30-115*	*92 %*	*05/03/24*		*05/06/24 14:42*		
Surrogate: Terphenyl-d14			*18-137*	*95 %*	*05/03/24*		*05/06/24 14:42*		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**89**		%			1	05/01/24	05/02/24 08:31	AB

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rabecka Koons, Quality Assurance Officer

All analyses performed at Maryland Spectral Services included in the report are TNI certified except as indicated at the end of the report.

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

OU-2A

4050124-01 (Soil)
Sampled on: 05/01/24 15:00

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
POLYCHLORINATED BIPHENYLS BY EPA 8082A (GC/ECD) Prepared by 3540-GC(Soxhlet) ClPestPCB									
Aroclor-1016	ND		ug/kg dry	44.8	44.8	1	05/03/24	05/08/24 10:09	ARS
Aroclor-1221	ND		ug/kg dry	44.8	44.8	1	05/03/24	05/08/24 10:09	ARS
Aroclor-1232	ND		ug/kg dry	44.8	44.8	1	05/03/24	05/08/24 10:09	ARS
Aroclor-1242	ND		ug/kg dry	44.8	44.8	1	05/03/24	05/08/24 10:09	ARS
Aroclor-1248	ND		ug/kg dry	44.8	44.8	1	05/03/24	05/08/24 10:09	ARS
Aroclor-1254	ND		ug/kg dry	44.8	44.8	1	05/03/24	05/08/24 10:09	ARS
Aroclor-1260	ND		ug/kg dry	44.8	44.8	1	05/03/24	05/08/24 10:09	ARS
Aroclor-1262	ND		ug/kg dry	44.8	44.8	1	05/03/24	05/08/24 10:09	ARS
Aroclor-1268	ND		ug/kg dry	44.8	44.8	1	05/03/24	05/08/24 10:09	ARS
Surrogate: Tetrachloro-m-xylene			*40-150*	*91 %*		*05/03/24*		*05/08/24 10:09*	
Surrogate: Decachlorobiphenyl			*40-150*	*88 %*		*05/03/24*		*05/08/24 10:09*	
Total Metals Analysis by EPA 6020B Prepared by 3050B-Metals Digestion									
Antimony	ND		mg/kg dry	0.280	0.280	1	05/02/24	05/03/24 16:59	AWH
Arsenic	**5.25**		mg/kg dry	0.280	0.280	1	05/02/24	05/03/24 16:59	AWH
Beryllium	**0.357**		mg/kg dry	0.280	0.280	1	05/02/24	05/03/24 16:59	AWH
Cadmium	ND		mg/kg dry	0.280	0.280	1	05/02/24	05/03/24 16:59	AWH
Chromium	**20.8**		mg/kg dry	0.280	0.280	1	05/02/24	05/03/24 16:59	AWH
Copper	**7.21**		mg/kg dry	0.280	0.280	1	05/02/24	05/03/24 16:59	AWH
Lead	**5.18**		mg/kg dry	0.280	0.280	1	05/02/24	05/03/24 16:59	AWH
Mercury	**0.0270**		mg/kg dry	0.0140	0.0140	1	05/02/24	05/03/24 16:59	AWH
Nickel	**4.38**		mg/kg dry	0.280	0.280	1	05/02/24	05/03/24 16:59	AWH
Selenium	**1.10**		mg/kg dry	0.280	0.280	1	05/02/24	05/03/24 16:59	AWH
Silver	ND		mg/kg dry	0.280	0.280	1	05/02/24	05/03/24 16:59	AWH
Thallium	ND		mg/kg dry	0.280	0.280	1	05/02/24	05/03/24 16:59	AWH
Zinc	**15.1**		mg/kg dry	1.40	1.40	1	05/02/24	05/03/24 16:59	AWH

Rebecka Koons

Rabecka Koons, Quality Assurance Officer

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Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

OU-2A

4050124-01 (Soil)
Sampled on: 05/01/24 15:00

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Hexavalent Chromium by EPA 7199 Prepared by 3060A-Hexavalent Chromium Digestion									
Chromium, Hexavalent	**0.171**	J	mg/kg dry	0.224	0.168	1	05/03/24	05/06/24 18:28	CRP

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Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

OU-2B

4050124-02 (Soil)
Sampled on: 05/01/24 15:05

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Semivolatile Organics by EPA 8270D (GC/MS) Prepared by 3540-GCMS(Soxhlet)									
Acenaphthene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 15:03	EH
Acenaphthylene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 15:03	EH
Anthracene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 15:03	EH
Benzo[a]anthracene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 15:03	EH
Benzo[b]fluoranthene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 15:03	EH
Benzo[k]fluoranthene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 15:03	EH
Benzo[g,h,i]perylene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 15:03	EH
Benzo[a]pyrene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 15:03	EH
Chrysene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 15:03	EH
Dibenz[a,h]anthracene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 15:03	EH
Fluoranthene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 15:03	EH
Fluorene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 15:03	EH
Indeno[1,2,3-cd]pyrene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 15:03	EH
2-Methylnaphthalene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 15:03	EH
Naphthalene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 15:03	EH
Phenanthrene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 15:03	EH
Pyrene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 15:03	EH
Surrogate: 2-Fluorophenol			*23-121*	*92 %*	*05/03/24*		*05/06/24 15:03*		
Surrogate: Phenol-d5			*24-113*	*98 %*	*05/03/24*		*05/06/24 15:03*		
Surrogate: Nitrobenzene-d5			*23-120*	*95 %*	*05/03/24*		*05/06/24 15:03*		
Surrogate: 2,4,6-Tribromophenol			*19-122*	*96 %*	*05/03/24*		*05/06/24 15:03*		
Surrogate: 2-Fluorobiphenyl			*30-115*	*94 %*	*05/03/24*		*05/06/24 15:03*		
Surrogate: Terphenyl-d14			*18-137*	*96 %*	*05/03/24*		*05/06/24 15:03*		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**87**		%			1	05/01/24	05/02/24 08:31	AB

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Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

OU-2B

4050124-02 (Soil)
Sampled on: 05/01/24 15:05

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
POLYCHLORINATED BIPHENYLS BY EPA 8082A (GC/ECD) Prepared by 3540-GC(Soxhlet) ClPestPCB									
Aroclor-1016	ND		ug/kg dry	45.8	45.8	1	05/03/24	05/08/24 10:25	ARS
Aroclor-1221	ND		ug/kg dry	45.8	45.8	1	05/03/24	05/08/24 10:25	ARS
Aroclor-1232	ND		ug/kg dry	45.8	45.8	1	05/03/24	05/08/24 10:25	ARS
Aroclor-1242	ND		ug/kg dry	45.8	45.8	1	05/03/24	05/08/24 10:25	ARS
Aroclor-1248	ND		ug/kg dry	45.8	45.8	1	05/03/24	05/08/24 10:25	ARS
Aroclor-1254	ND		ug/kg dry	45.8	45.8	1	05/03/24	05/08/24 10:25	ARS
Aroclor-1260	ND		ug/kg dry	45.8	45.8	1	05/03/24	05/08/24 10:25	ARS
Aroclor-1262	ND		ug/kg dry	45.8	45.8	1	05/03/24	05/08/24 10:25	ARS
Aroclor-1268	ND		ug/kg dry	45.8	45.8	1	05/03/24	05/08/24 10:25	ARS
Surrogate: Tetrachloro-m-xylene			*40-150*	*78 %*		*05/03/24*		*05/08/24 10:25*	
Surrogate: Decachlorobiphenyl			*40-150*	*81 %*		*05/03/24*		*05/08/24 10:25*	
Total Metals Analysis by EPA 6020B Prepared by 3050B-Metals Digestion									
Antimony	ND		mg/kg dry	0.287	0.287	1	05/02/24	05/03/24 17:16	AWH
Arsenic	**3.99**		mg/kg dry	0.287	0.287	1	05/02/24	05/03/24 17:16	AWH
Beryllium	**0.430**		mg/kg dry	0.287	0.287	1	05/02/24	05/03/24 17:16	AWH
Cadmium	ND		mg/kg dry	0.287	0.287	1	05/02/24	05/03/24 17:16	AWH
Chromium	**17.7**		mg/kg dry	0.287	0.287	1	05/02/24	05/03/24 17:16	AWH
Copper	**8.32**		mg/kg dry	0.287	0.287	1	05/02/24	05/03/24 17:16	AWH
Lead	**6.72**		mg/kg dry	0.287	0.287	1	05/02/24	05/03/24 17:16	AWH
Mercury	**0.0344**		mg/kg dry	0.0143	0.0143	1	05/02/24	05/03/24 17:16	AWH
Nickel	**8.06**		mg/kg dry	0.287	0.287	1	05/02/24	05/03/24 17:16	AWH
Selenium	**1.27**		mg/kg dry	0.287	0.287	1	05/02/24	05/03/24 17:16	AWH
Silver	ND		mg/kg dry	0.287	0.287	1	05/02/24	05/03/24 17:16	AWH
Thallium	ND		mg/kg dry	0.287	0.287	1	05/02/24	05/03/24 17:16	AWH
Zinc	**22.8**		mg/kg dry	1.43	1.43	1	05/02/24	05/03/24 17:16	AWH

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Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

OU-2B

4050124-02 (Soil)
Sampled on: 05/01/24 15:05

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Hexavalent Chromium by EPA 7199 Prepared by 3060A-Hexavalent Chromium Digestion									
Chromium, Hexavalent	**0.263**		mg/kg dry	0.229	0.172	1	05/03/24	05/06/24 18:46	CRP

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Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

OU-2C

4050124-03 (Soil)
Sampled on: 05/01/24 15:10

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Semivolatile Organics by EPA 8270D (GC/MS) Prepared by 3540-GCMS(Soxhlet)									
Acenaphthene	ND		ug/kg dry	92	92	1	05/02/24	05/03/24 15:44	EH
Acenaphthylene	ND		ug/kg dry	92	92	1	05/02/24	05/03/24 15:44	EH
Anthracene	ND		ug/kg dry	92	92	1	05/02/24	05/03/24 15:44	EH
Benzo[a]anthracene	ND		ug/kg dry	92	92	1	05/02/24	05/03/24 15:44	EH
Benzo[b]fluoranthene	ND		ug/kg dry	92	92	1	05/02/24	05/03/24 15:44	EH
Benzo[k]fluoranthene	ND		ug/kg dry	92	92	1	05/02/24	05/03/24 15:44	EH
Benzo[g,h,i]perylene	ND		ug/kg dry	92	92	1	05/02/24	05/03/24 15:44	EH
Benzo[a]pyrene	ND		ug/kg dry	92	92	1	05/02/24	05/03/24 15:44	EH
Chrysene	ND		ug/kg dry	92	92	1	05/02/24	05/03/24 15:44	EH
Dibenz[a,h]anthracene	ND		ug/kg dry	92	92	1	05/02/24	05/03/24 15:44	EH
Fluoranthene	ND		ug/kg dry	92	92	1	05/02/24	05/03/24 15:44	EH
Fluorene	ND		ug/kg dry	92	92	1	05/02/24	05/03/24 15:44	EH
Indeno[1,2,3-cd]pyrene	ND		ug/kg dry	92	92	1	05/02/24	05/03/24 15:44	EH
2-Methylnaphthalene	ND		ug/kg dry	92	92	1	05/02/24	05/03/24 15:44	EH
Naphthalene	ND		ug/kg dry	92	92	1	05/02/24	05/03/24 15:44	EH
Phenanthrene	ND		ug/kg dry	92	92	1	05/02/24	05/03/24 15:44	EH
Pyrene	ND		ug/kg dry	92	92	1	05/02/24	05/03/24 15:44	EH
Surrogate: 2-Fluorophenol			*23-121*	*82 %*	*05/02/24*		*05/03/24 15:44*		
Surrogate: Phenol-d5			*24-113*	*83 %*	*05/02/24*		*05/03/24 15:44*		
Surrogate: Nitrobenzene-d5			*23-120*	*82 %*	*05/02/24*		*05/03/24 15:44*		
Surrogate: 2,4,6-Tribromophenol			*19-122*	*84 %*	*05/02/24*		*05/03/24 15:44*		
Surrogate: 2-Fluorobiphenyl			*30-115*	*84 %*	*05/02/24*		*05/03/24 15:44*		
Surrogate: Terphenyl-d14			*18-137*	*88 %*	*05/02/24*		*05/03/24 15:44*		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**87**		%			1	05/01/24	05/02/24 08:31	AB

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Baltimore MD 21227
410-247-7600
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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

OU-2C

4050124-03 (Soil)
Sampled on: 05/01/24 15:10

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
POLYCHLORINATED BIPHENYLS BY EPA 8082A (GC/ECD) Prepared by 3540-GC(Soxhlet) ClPestPCB									
Aroclor-1016	ND		ug/kg dry	46.0	46.0	1	05/03/24	05/08/24 10:41	ARS
Aroclor-1221	ND		ug/kg dry	46.0	46.0	1	05/03/24	05/08/24 10:41	ARS
Aroclor-1232	ND		ug/kg dry	46.0	46.0	1	05/03/24	05/08/24 10:41	ARS
Aroclor-1242	ND		ug/kg dry	46.0	46.0	1	05/03/24	05/08/24 10:41	ARS
Aroclor-1248	ND		ug/kg dry	46.0	46.0	1	05/03/24	05/08/24 10:41	ARS
Aroclor-1254	ND		ug/kg dry	46.0	46.0	1	05/03/24	05/08/24 10:41	ARS
Aroclor-1260	ND		ug/kg dry	46.0	46.0	1	05/03/24	05/08/24 10:41	ARS
Aroclor-1262	ND		ug/kg dry	46.0	46.0	1	05/03/24	05/08/24 10:41	ARS
Aroclor-1268	ND		ug/kg dry	46.0	46.0	1	05/03/24	05/08/24 10:41	ARS
Surrogate: Tetrachloro-m-xylene			*40-150*	*94 %*		*05/03/24*		*05/08/24 10:41*	
Surrogate: Decachlorobiphenyl			*40-150*	*89 %*		*05/03/24*		*05/08/24 10:41*	
Total Metals Analysis by EPA 6020B Prepared by 3050B-Metals Digestion									
Antimony	ND		mg/kg dry	0.288	0.288	1	05/02/24	05/03/24 17:19	AWH
Arsenic	**3.61**		mg/kg dry	0.288	0.288	1	05/02/24	05/03/24 17:19	AWH
Beryllium	**0.317**		mg/kg dry	0.288	0.288	1	05/02/24	05/03/24 17:19	AWH
Cadmium	ND		mg/kg dry	0.288	0.288	1	05/02/24	05/03/24 17:19	AWH
Chromium	**18.1**		mg/kg dry	0.288	0.288	1	05/02/24	05/03/24 17:19	AWH
Copper	**7.79**		mg/kg dry	0.288	0.288	1	05/02/24	05/03/24 17:19	AWH
Lead	**3.90**		mg/kg dry	0.288	0.288	1	05/02/24	05/03/24 17:19	AWH
Mercury	ND		mg/kg dry	0.0144	0.0144	1	05/02/24	05/03/24 17:19	AWH
Nickel	**1.56**		mg/kg dry	0.288	0.288	1	05/02/24	05/03/24 17:19	AWH
Selenium	**1.23**		mg/kg dry	0.288	0.288	1	05/02/24	05/03/24 17:19	AWH
Silver	ND		mg/kg dry	0.288	0.288	1	05/02/24	05/03/24 17:19	AWH
Thallium	ND		mg/kg dry	0.288	0.288	1	05/02/24	05/03/24 17:19	AWH
Zinc	**6.59**		mg/kg dry	1.44	1.44	1	05/02/24	05/03/24 17:19	AWH

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Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

OU-2C

4050124-03 (Soil)
Sampled on: 05/01/24 15:10

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Hexavalent Chromium by EPA 7199 Prepared by 3060A-Hexavalent Chromium Digestion									
Chromium, Hexavalent	**0.382**		mg/kg dry	0.230	0.173	1	05/03/24	05/06/24 19:05	CRP

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Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

OU-2D

4050124-04 (Soil)
Sampled on: 05/01/24 15:15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Semivolatile Organics by EPA 8270D (GC/MS) Prepared by 3540-GCMS(Soxhlet)									
Acenaphthene	ND		ug/kg dry	97	97	1	05/02/24	05/03/24 16:04	EH
Acenaphthylene	ND		ug/kg dry	97	97	1	05/02/24	05/03/24 16:04	EH
Anthracene	ND		ug/kg dry	97	97	1	05/02/24	05/03/24 16:04	EH
Benzo[a]anthracene	ND		ug/kg dry	97	97	1	05/02/24	05/03/24 16:04	EH
Benzo[b]fluoranthene	ND		ug/kg dry	97	97	1	05/02/24	05/03/24 16:04	EH
Benzo[k]fluoranthene	ND		ug/kg dry	97	97	1	05/02/24	05/03/24 16:04	EH
Benzo[g,h,i]perylene	ND		ug/kg dry	97	97	1	05/02/24	05/03/24 16:04	EH
Benzo[a]pyrene	ND		ug/kg dry	97	97	1	05/02/24	05/03/24 16:04	EH
Chrysene	ND		ug/kg dry	97	97	1	05/02/24	05/03/24 16:04	EH
Dibenz[a,h]anthracene	ND		ug/kg dry	97	97	1	05/02/24	05/03/24 16:04	EH
Fluoranthene	ND		ug/kg dry	97	97	1	05/02/24	05/03/24 16:04	EH
Fluorene	ND		ug/kg dry	97	97	1	05/02/24	05/03/24 16:04	EH
Indeno[1,2,3-cd]pyrene	ND		ug/kg dry	97	97	1	05/02/24	05/03/24 16:04	EH
2-Methylnaphthalene	ND		ug/kg dry	97	97	1	05/02/24	05/03/24 16:04	EH
Naphthalene	ND		ug/kg dry	97	97	1	05/02/24	05/03/24 16:04	EH
Phenanthrene	ND		ug/kg dry	97	97	1	05/02/24	05/03/24 16:04	EH
Pyrene	ND		ug/kg dry	97	97	1	05/02/24	05/03/24 16:04	EH
Surrogate: 2-Fluorophenol			*23-121*	*86 %*	*05/02/24*		*05/03/24 16:04*		
Surrogate: Phenol-d5			*24-113*	*90 %*	*05/02/24*		*05/03/24 16:04*		
Surrogate: Nitrobenzene-d5			*23-120*	*86 %*	*05/02/24*		*05/03/24 16:04*		
Surrogate: 2,4,6-Tribromophenol			*19-122*	*82 %*	*05/02/24*		*05/03/24 16:04*		
Surrogate: 2-Fluorobiphenyl			*30-115*	*81 %*	*05/02/24*		*05/03/24 16:04*		
Surrogate: Terphenyl-d14			*18-137*	*84 %*	*05/02/24*		*05/03/24 16:04*		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**82**		%			1	05/01/24	05/02/24 08:31	AB

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Rabecka Koons, Quality Assurance Officer

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Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

OU-2D

4050124-04 (Soil)
Sampled on: 05/01/24 15:15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
POLYCHLORINATED BIPHENYLS BY EPA 8082A (GC/ECD) Prepared by 3540-GC(Soxhlet) ClPestPCB									
Aroclor-1016	ND		ug/kg dry	48.6	48.6	1	05/03/24	05/08/24 10:57	ARS
Aroclor-1221	ND		ug/kg dry	48.6	48.6	1	05/03/24	05/08/24 10:57	ARS
Aroclor-1232	ND		ug/kg dry	48.6	48.6	1	05/03/24	05/08/24 10:57	ARS
Aroclor-1242	ND		ug/kg dry	48.6	48.6	1	05/03/24	05/08/24 10:57	ARS
Aroclor-1248	ND		ug/kg dry	48.6	48.6	1	05/03/24	05/08/24 10:57	ARS
Aroclor-1254	ND		ug/kg dry	48.6	48.6	1	05/03/24	05/08/24 10:57	ARS
Aroclor-1260	ND		ug/kg dry	48.6	48.6	1	05/03/24	05/08/24 10:57	ARS
Aroclor-1262	ND		ug/kg dry	48.6	48.6	1	05/03/24	05/08/24 10:57	ARS
Aroclor-1268	ND		ug/kg dry	48.6	48.6	1	05/03/24	05/08/24 10:57	ARS
Surrogate: Tetrachloro-m-xylene			*40-150*	*82 %*		*05/03/24*		*05/08/24 10:57*	
Surrogate: Decachlorobiphenyl			*40-150*	*72 %*		*05/03/24*		*05/08/24 10:57*	
Total Metals Analysis by EPA 6020B Prepared by 3050B-Metals Digestion									
Antimony	ND		mg/kg dry	0.304	0.304	1	05/02/24	05/03/24 17:26	AWH
Arsenic	**5.63**		mg/kg dry	0.304	0.304	1	05/02/24	05/03/24 17:26	AWH
Beryllium	ND		mg/kg dry	0.304	0.304	1	05/02/24	05/03/24 17:26	AWH
Cadmium	ND		mg/kg dry	0.304	0.304	1	05/02/24	05/03/24 17:26	AWH
Chromium	**25.9**		mg/kg dry	0.304	0.304	1	05/02/24	05/03/24 17:26	AWH
Copper	**12.2**		mg/kg dry	0.304	0.304	1	05/02/24	05/03/24 17:26	AWH
Lead	**5.40**		mg/kg dry	0.304	0.304	1	05/02/24	05/03/24 17:26	AWH
Mercury	**0.0307**		mg/kg dry	0.0152	0.0152	1	05/02/24	05/03/24 17:26	AWH
Nickel	**0.709**		mg/kg dry	0.304	0.304	1	05/02/24	05/03/24 17:26	AWH
Selenium	**1.69**		mg/kg dry	0.304	0.304	1	05/02/24	05/03/24 17:26	AWH
Silver	ND		mg/kg dry	0.304	0.304	1	05/02/24	05/03/24 17:26	AWH
Thallium	ND		mg/kg dry	0.304	0.304	1	05/02/24	05/03/24 17:26	AWH
Zinc	**8.51**		mg/kg dry	1.52	1.52	1	05/02/24	05/03/24 17:26	AWH

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

OU-2D

4050124-04 (Soil)
Sampled on: 05/01/24 15:15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Hexavalent Chromium by EPA 7199 Prepared by 3060A-Hexavalent Chromium Digestion									
Chromium, Hexavalent	**0.461**		mg/kg dry	0.243	0.182	1	05/03/24	05/06/24 19:23	CRP

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-01

4050124-05 (Soil)
Sampled on: 05/01/24 10:15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS									
Acetone	ND		ug/kg dry	11.9	11.9	1	05/03/24	05/03/24 16:11	LL
tert-Amyl alcohol (TAA)	ND		ug/kg dry	59.7	59.7	1	05/03/24	05/03/24 16:11	LL
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Benzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Bromobenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Bromochloromethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Bromodichloromethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Bromoform	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Bromomethane	ND		ug/kg dry	6.0	6.0	1	05/03/24	05/03/24 16:11	LL
tert-Butanol (TBA)	ND		ug/kg dry	59.7	59.7	1	05/03/24	05/03/24 16:11	LL
2-Butanone (MEK)	ND		ug/kg dry	11.9	11.9	1	05/03/24	05/03/24 16:11	LL
n-Butylbenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
sec-Butylbenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
tert-Butylbenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Carbon disulfide	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Carbon tetrachloride	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Chlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Chloroethane	ND		ug/kg dry	6.0	6.0	1	05/03/24	05/03/24 16:11	LL
Chloroform	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Chloromethane	ND		ug/kg dry	6.0	6.0	1	05/03/24	05/03/24 16:11	LL
2-Chlorotoluene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
4-Chlorotoluene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Dibromochloromethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
1,2-Dibromoethane (EDB)	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Dibromomethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
1,2-Dichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
1,3-Dichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
1,4-Dichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Dichlorodifluoromethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
1,1-Dichloroethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
1,2-Dichloroethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
1,1-Dichloroethene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-01

4050124-05 (Soil)
Sampled on: 05/01/24 10:15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
trans-1,2-Dichloroethene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Dichlorofluoromethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
1,2-Dichloropropane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
1,3-Dichloropropane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
2,2-Dichloropropane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
1,1-Dichloropropene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
cis-1,3-Dichloropropene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
trans-1,3-Dichloropropene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Diisopropyl ether (DIPE)	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Ethylbenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Hexachlorobutadiene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
2-Hexanone	ND		ug/kg dry	11.9	11.9	1	05/03/24	05/03/24 16:11	LL
Isopropylbenzene (Cumene)	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
4-Isopropyltoluene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
4-Methyl-2-pentanone	ND		ug/kg dry	11.9	11.9	1	05/03/24	05/03/24 16:11	LL
Methylene chloride	**27.4**	L	ug/kg dry	23.9	23.9	1	05/03/24	05/03/24 16:11	LL
Naphthalene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
n-Propylbenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Styrene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Tetrachloroethene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Toluene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
1,2,3-Trichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
1,2,4-Trichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
1,1,1-Trichloroethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
1,1,2-Trichloroethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Trichloroethene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
1,2,3-Trichloropropane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-01

4050124-05 (Soil)
Sampled on: 05/01/24 10:15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
1,3,5-Trimethylbenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Vinyl chloride	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
o-Xylene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
m- & p-Xylenes	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 16:11	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*95 %*	*05/03/24*		*05/03/24 16:11*		
Surrogate: Toluene-d8			*75-120*	*98 %*	*05/03/24*		*05/03/24 16:11*		
Surrogate: 4-Bromofluorobenzene			*65-120*	*101 %*	*05/03/24*		*05/03/24 16:11*		
GASOLINE RANGE ORGANICS BY EPA 5030/8015C Prepared by 5030-GC									
Gasoline-Range Organics	ND		mg/kg dry	0.12	0.12	1	05/07/24	05/07/24 12:44	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*103 %*	*05/07/24*		*05/07/24 12:44*		
DIESEL RANGE ORGANICS BY EPA 3540/8015C Prepared by 3540-GC(Soxhlet)									
Diesel-Range Organics (C10-C28)	ND		mg/kg dry	9.5	9.5	1	05/02/24	05/03/24 18:42	EH
Surrogate: o-Terphenyl			*70-130*	*103 %*	*05/02/24*		*05/03/24 18:42*		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**84**		%			1	05/01/24	05/02/24 08:31	AB

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-03

4050124-06 (Soil)
Sampled on: 05/01/24 09:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS									
Acetone	ND		ug/kg dry	12.4	12.4	1	05/03/24	05/03/24 16:38	LL
tert-Amyl alcohol (TAA)	ND		ug/kg dry	62.2	62.2	1	05/03/24	05/03/24 16:38	LL
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Benzene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Bromobenzene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Bromochloromethane	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Bromodichloromethane	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Bromoform	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Bromomethane	ND		ug/kg dry	6.2	6.2	1	05/03/24	05/03/24 16:38	LL
tert-Butanol (TBA)	ND		ug/kg dry	62.2	62.2	1	05/03/24	05/03/24 16:38	LL
2-Butanone (MEK)	ND		ug/kg dry	12.4	12.4	1	05/03/24	05/03/24 16:38	LL
n-Butylbenzene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
sec-Butylbenzene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
tert-Butylbenzene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Carbon disulfide	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Carbon tetrachloride	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Chlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Chloroethane	ND		ug/kg dry	6.2	6.2	1	05/03/24	05/03/24 16:38	LL
Chloroform	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Chloromethane	ND		ug/kg dry	6.2	6.2	1	05/03/24	05/03/24 16:38	LL
2-Chlorotoluene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
4-Chlorotoluene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Dibromochloromethane	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
1,2-Dibromoethane (EDB)	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Dibromomethane	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
1,2-Dichlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
1,3-Dichlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
1,4-Dichlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Dichlorodifluoromethane	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
1,1-Dichloroethane	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
1,2-Dichloroethane	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
1,1-Dichloroethene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL

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Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-03

4050124-06 (Soil)
Sampled on: 05/01/24 09:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
trans-1,2-Dichloroethene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Dichlorofluoromethane	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
1,2-Dichloropropane	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
1,3-Dichloropropane	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
2,2-Dichloropropane	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
1,1-Dichloropropene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
cis-1,3-Dichloropropene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
trans-1,3-Dichloropropene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Diisopropyl ether (DIPE)	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Ethylbenzene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Hexachlorobutadiene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
2-Hexanone	ND		ug/kg dry	12.4	12.4	1	05/03/24	05/03/24 16:38	LL
Isopropylbenzene (Cumene)	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
4-Isopropyltoluene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
4-Methyl-2-pentanone	ND		ug/kg dry	12.4	12.4	1	05/03/24	05/03/24 16:38	LL
Methylene chloride	**34.7**	L	ug/kg dry	24.9	24.9	1	05/03/24	05/03/24 16:38	LL
Naphthalene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
n-Propylbenzene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Styrene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Tetrachloroethene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Toluene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
1,2,3-Trichlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
1,2,4-Trichlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
1,1,1-Trichloroethane	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
1,1,2-Trichloroethane	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Trichloroethene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
1,2,3-Trichloropropane	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL

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Baltimore MD 21227
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www.mdspectral.com

Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-03

4050124-06 (Soil)
Sampled on: 05/01/24 09:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
1,3,5-Trimethylbenzene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Vinyl chloride	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
o-Xylene	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
m- & p-Xylenes	ND		ug/kg dry	6.2	2.5	1	05/03/24	05/03/24 16:38	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*95 %*	*05/03/24*		*05/03/24 16:38*		
Surrogate: Toluene-d8			*75-120*	*99 %*	*05/03/24*		*05/03/24 16:38*		
Surrogate: 4-Bromofluorobenzene			*65-120*	*101 %*	*05/03/24*		*05/03/24 16:38*		
GASOLINE RANGE ORGANICS BY EPA 5030/8015C Prepared by 5030-GC									
Gasoline-Range Organics	ND		mg/kg dry	0.12	0.12	1	05/07/24	05/07/24 13:12	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*104 %*	*05/07/24*		*05/07/24 13:12*		
DIESEL RANGE ORGANICS BY EPA 3540/8015C Prepared by 3540-GC(Soxhlet)									
Diesel-Range Organics (C10-C28)	ND		mg/kg dry	10.0	10.0	1	05/02/24	05/03/24 19:10	EH
Surrogate: o-Terphenyl			*70-130*	*99 %*	*05/02/24*		*05/03/24 19:10*		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**80**		%			1	05/01/24	05/02/24 08:31	AB

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-04

4050124-07 (Soil)
Sampled on: 05/01/24 10:45

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS									
Acetone	ND		ug/kg dry	10.8	10.8	1	05/03/24	05/03/24 17:06	LL
tert-Amyl alcohol (TAA)	ND		ug/kg dry	53.8	53.8	1	05/03/24	05/03/24 17:06	LL
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Benzene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Bromobenzene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Bromochloromethane	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Bromodichloromethane	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Bromoform	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Bromomethane	ND		ug/kg dry	5.4	5.4	1	05/03/24	05/03/24 17:06	LL
tert-Butanol (TBA)	ND		ug/kg dry	53.8	53.8	1	05/03/24	05/03/24 17:06	LL
2-Butanone (MEK)	ND		ug/kg dry	10.8	10.8	1	05/03/24	05/03/24 17:06	LL
n-Butylbenzene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
sec-Butylbenzene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
tert-Butylbenzene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Carbon disulfide	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Carbon tetrachloride	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Chlorobenzene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Chloroethane	ND		ug/kg dry	5.4	5.4	1	05/03/24	05/03/24 17:06	LL
Chloroform	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Chloromethane	ND		ug/kg dry	5.4	5.4	1	05/03/24	05/03/24 17:06	LL
2-Chlorotoluene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
4-Chlorotoluene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Dibromochloromethane	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
1,2-Dibromoethane (EDB)	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Dibromomethane	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
1,2-Dichlorobenzene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
1,3-Dichlorobenzene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
1,4-Dichlorobenzene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Dichlorodifluoromethane	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
1,1-Dichloroethane	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
1,2-Dichloroethane	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
1,1-Dichloroethene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-04

4050124-07 (Soil)
Sampled on: 05/01/24 10:45

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
trans-1,2-Dichloroethene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Dichlorofluoromethane	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
1,2-Dichloropropane	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
1,3-Dichloropropane	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
2,2-Dichloropropane	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
1,1-Dichloropropene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
cis-1,3-Dichloropropene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
trans-1,3-Dichloropropene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Diisopropyl ether (DIPE)	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Ethylbenzene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Hexachlorobutadiene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
2-Hexanone	ND		ug/kg dry	10.8	10.8	1	05/03/24	05/03/24 17:06	LL
Isopropylbenzene (Cumene)	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
4-Isopropyltoluene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
4-Methyl-2-pentanone	ND		ug/kg dry	10.8	10.8	1	05/03/24	05/03/24 17:06	LL
Methylene chloride	**28.8**	L	ug/kg dry	21.5	21.5	1	05/03/24	05/03/24 17:06	LL
Naphthalene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
n-Propylbenzene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Styrene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Tetrachloroethene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Toluene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
1,2,3-Trichlorobenzene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
1,2,4-Trichlorobenzene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
1,1,1-Trichloroethane	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
1,1,2-Trichloroethane	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Trichloroethene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
1,2,3-Trichloropropane	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-04

4050124-07 (Soil)
Sampled on: 05/01/24 10:45

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
1,3,5-Trimethylbenzene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Vinyl chloride	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
o-Xylene	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
m- & p-Xylenes	ND		ug/kg dry	5.4	2.2	1	05/03/24	05/03/24 17:06	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*97 %*		*05/03/24*		*05/03/24 17:06*	
Surrogate: Toluene-d8			*75-120*	*99 %*		*05/03/24*		*05/03/24 17:06*	
Surrogate: 4-Bromofluorobenzene			*65-120*	*101 %*		*05/03/24*		*05/03/24 17:06*	
GASOLINE RANGE ORGANICS BY EPA 5030/8015C Prepared by 5030-GC									
Gasoline-Range Organics	ND		mg/kg dry	0.11	0.11	1	05/07/24	05/07/24 13:39	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*104 %*		*05/07/24*		*05/07/24 13:39*	
DIESEL RANGE ORGANICS BY EPA 3540/8015C Prepared by 3540-GC(Soxhlet)									
Diesel-Range Organics (C10-C28)	**11.1**		mg/kg dry	8.6	8.6	1	05/02/24	05/03/24 19:40	EH
Surrogate: o-Terphenyl			*70-130*	*101 %*		*05/02/24*		*05/03/24 19:40*	
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**93**		%			1	05/01/24	05/02/24 08:31	AB

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-05

4050124-08 (Soil)
Sampled on: 05/01/24 11:00

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS									
Acetone	ND		ug/kg dry	10.6	10.6	1	05/03/24	05/03/24 17:33	LL
tert-Amyl alcohol (TAA)	ND		ug/kg dry	53.1	53.1	1	05/03/24	05/03/24 17:33	LL
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Benzene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Bromobenzene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Bromochloromethane	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Bromodichloromethane	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Bromoform	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Bromomethane	ND		ug/kg dry	5.3	5.3	1	05/03/24	05/03/24 17:33	LL
tert-Butanol (TBA)	ND		ug/kg dry	53.1	53.1	1	05/03/24	05/03/24 17:33	LL
2-Butanone (MEK)	ND		ug/kg dry	10.6	10.6	1	05/03/24	05/03/24 17:33	LL
n-Butylbenzene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
sec-Butylbenzene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
tert-Butylbenzene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Carbon disulfide	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Carbon tetrachloride	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Chlorobenzene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Chloroethane	ND		ug/kg dry	5.3	5.3	1	05/03/24	05/03/24 17:33	LL
Chloroform	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Chloromethane	ND		ug/kg dry	5.3	5.3	1	05/03/24	05/03/24 17:33	LL
2-Chlorotoluene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
4-Chlorotoluene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Dibromochloromethane	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
1,2-Dibromoethane (EDB)	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Dibromomethane	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
1,2-Dichlorobenzene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
1,3-Dichlorobenzene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
1,4-Dichlorobenzene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Dichlorodifluoromethane	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
1,1-Dichloroethane	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
1,2-Dichloroethane	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
1,1-Dichloroethene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-05

4050124-08 (Soil)
Sampled on: 05/01/24 11:00

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
trans-1,2-Dichloroethene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Dichlorofluoromethane	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
1,2-Dichloropropane	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
1,3-Dichloropropane	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
2,2-Dichloropropane	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
1,1-Dichloropropene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
cis-1,3-Dichloropropene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
trans-1,3-Dichloropropene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Diisopropyl ether (DIPE)	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Ethylbenzene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Hexachlorobutadiene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
2-Hexanone	ND		ug/kg dry	10.6	10.6	1	05/03/24	05/03/24 17:33	LL
Isopropylbenzene (Cumene)	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
4-Isopropyltoluene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
4-Methyl-2-pentanone	ND		ug/kg dry	10.6	10.6	1	05/03/24	05/03/24 17:33	LL
Methylene chloride	**22.7**	L	ug/kg dry	21.2	21.2	1	05/03/24	05/03/24 17:33	LL
Naphthalene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
n-Propylbenzene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Styrene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Tetrachloroethene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Toluene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
1,2,3-Trichlorobenzene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
1,2,4-Trichlorobenzene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
1,1,1-Trichloroethane	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
1,1,2-Trichloroethane	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Trichloroethene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
1,2,3-Trichloropropane	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-05

4050124-08 (Soil)
Sampled on: 05/01/24 11:00

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
1,3,5-Trimethylbenzene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Vinyl chloride	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
o-Xylene	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
m- & p-Xylenes	ND		ug/kg dry	5.3	2.1	1	05/03/24	05/03/24 17:33	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*96 %*		*05/03/24*		*05/03/24 17:33*	
Surrogate: Toluene-d8			*75-120*	*99 %*		*05/03/24*		*05/03/24 17:33*	
Surrogate: 4-Bromofluorobenzene			*65-120*	*102 %*		*05/03/24*		*05/03/24 17:33*	
GASOLINE RANGE ORGANICS BY EPA 5030/8015C Prepared by 5030-GC									
Gasoline-Range Organics	ND		mg/kg dry	0.11	0.11	1	05/07/24	05/07/24 14:07	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*104 %*		*05/07/24*		*05/07/24 14:07*	
DIESEL RANGE ORGANICS BY EPA 3540/8015C Prepared by 3540-GC(Soxhlet)									
Diesel-Range Organics (C10-C28)	**11.0**		mg/kg dry	8.5	8.5	1	05/02/24	05/03/24 20:09	EH
Surrogate: o-Terphenyl			*70-130*	*103 %*		*05/02/24*		*05/03/24 20:09*	
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**94**		%			1	05/01/24	05/02/24 08:31	AB

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-06

4050124-09 (Soil)
Sampled on: 05/01/24 13:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS									
Acetone	ND		ug/kg dry	11.7	11.7	1	05/03/24	05/03/24 18:01	LL
tert-Amyl alcohol (TAA)	ND		ug/kg dry	58.6	58.6	1	05/03/24	05/03/24 18:01	LL
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Benzene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Bromobenzene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Bromochloromethane	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Bromodichloromethane	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Bromoform	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Bromomethane	ND		ug/kg dry	5.9	5.9	1	05/03/24	05/03/24 18:01	LL
tert-Butanol (TBA)	ND		ug/kg dry	58.6	58.6	1	05/03/24	05/03/24 18:01	LL
2-Butanone (MEK)	ND		ug/kg dry	11.7	11.7	1	05/03/24	05/03/24 18:01	LL
n-Butylbenzene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
sec-Butylbenzene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
tert-Butylbenzene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Carbon disulfide	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Carbon tetrachloride	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Chlorobenzene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Chloroethane	ND		ug/kg dry	5.9	5.9	1	05/03/24	05/03/24 18:01	LL
Chloroform	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Chloromethane	ND		ug/kg dry	5.9	5.9	1	05/03/24	05/03/24 18:01	LL
2-Chlorotoluene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
4-Chlorotoluene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Dibromochloromethane	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
1,2-Dibromoethane (EDB)	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Dibromomethane	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
1,2-Dichlorobenzene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
1,3-Dichlorobenzene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
1,4-Dichlorobenzene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Dichlorodifluoromethane	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
1,1-Dichloroethane	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
1,2-Dichloroethane	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
1,1-Dichloroethene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-06

4050124-09 (Soil)
Sampled on: 05/01/24 13:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
trans-1,2-Dichloroethene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Dichlorofluoromethane	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
1,2-Dichloropropane	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
1,3-Dichloropropane	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
2,2-Dichloropropane	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
1,1-Dichloropropene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
cis-1,3-Dichloropropene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
trans-1,3-Dichloropropene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Diisopropyl ether (DIPE)	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Ethylbenzene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Hexachlorobutadiene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
2-Hexanone	ND		ug/kg dry	11.7	11.7	1	05/03/24	05/03/24 18:01	LL
Isopropylbenzene (Cumene)	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
4-Isopropyltoluene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
4-Methyl-2-pentanone	ND		ug/kg dry	11.7	11.7	1	05/03/24	05/03/24 18:01	LL
Methylene chloride	**30.0**	L	ug/kg dry	23.4	23.4	1	05/03/24	05/03/24 18:01	LL
Naphthalene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
n-Propylbenzene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Styrene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Tetrachloroethene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Toluene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
1,2,3-Trichlorobenzene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
1,2,4-Trichlorobenzene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
1,1,1-Trichloroethane	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
1,1,2-Trichloroethane	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Trichloroethene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
1,2,3-Trichloropropane	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-06

4050124-09 (Soil)
Sampled on: 05/01/24 13:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
1,3,5-Trimethylbenzene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Vinyl chloride	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
o-Xylene	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
m- & p-Xylenes	ND		ug/kg dry	5.9	2.3	1	05/03/24	05/03/24 18:01	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*96 %*		*05/03/24*		*05/03/24 18:01*	
Surrogate: Toluene-d8			*75-120*	*98 %*		*05/03/24*		*05/03/24 18:01*	
Surrogate: 4-Bromofluorobenzene			*65-120*	*101 %*		*05/03/24*		*05/03/24 18:01*	
GASOLINE RANGE ORGANICS BY EPA 5030/8015C Prepared by 5030-GC									
Gasoline-Range Organics	ND		mg/kg dry	0.12	0.12	1	05/07/24	05/07/24 14:35	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*104 %*		*05/07/24*		*05/07/24 14:35*	
DIESEL RANGE ORGANICS BY EPA 3540/8015C Prepared by 3540-GC(Soxhlet)									
Diesel-Range Organics (C10-C28)	ND		mg/kg dry	9.4	9.4	1	05/02/24	05/03/24 20:38	EH
Surrogate: o-Terphenyl			*70-130*	*96 %*		*05/02/24*		*05/03/24 20:38*	
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**85**		%			1	05/01/24	05/02/24 08:31	AB

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-07

4050124-10 (Soil)
Sampled on: 05/01/24 11:45

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS									
Acetone	ND		ug/kg dry	12.0	12.0	1	05/03/24	05/03/24 18:28	LL
tert-Amyl alcohol (TAA)	ND		ug/kg dry	59.8	59.8	1	05/03/24	05/03/24 18:28	LL
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Benzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Bromobenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Bromochloromethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Bromodichloromethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Bromoform	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Bromomethane	ND		ug/kg dry	6.0	6.0	1	05/03/24	05/03/24 18:28	LL
tert-Butanol (TBA)	ND		ug/kg dry	59.8	59.8	1	05/03/24	05/03/24 18:28	LL
2-Butanone (MEK)	ND		ug/kg dry	12.0	12.0	1	05/03/24	05/03/24 18:28	LL
n-Butylbenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
sec-Butylbenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
tert-Butylbenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Carbon disulfide	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Carbon tetrachloride	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Chlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Chloroethane	ND		ug/kg dry	6.0	6.0	1	05/03/24	05/03/24 18:28	LL
Chloroform	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Chloromethane	ND		ug/kg dry	6.0	6.0	1	05/03/24	05/03/24 18:28	LL
2-Chlorotoluene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
4-Chlorotoluene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Dibromochloromethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
1,2-Dibromoethane (EDB)	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Dibromomethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
1,2-Dichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
1,3-Dichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
1,4-Dichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Dichlorodifluoromethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
1,1-Dichloroethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
1,2-Dichloroethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
1,1-Dichloroethene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL

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Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-07

4050124-10 (Soil)
Sampled on: 05/01/24 11:45

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
trans-1,2-Dichloroethene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Dichlorofluoromethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
1,2-Dichloropropane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
1,3-Dichloropropane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
2,2-Dichloropropane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
1,1-Dichloropropene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
cis-1,3-Dichloropropene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
trans-1,3-Dichloropropene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Diisopropyl ether (DIPE)	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Ethylbenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Hexachlorobutadiene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
2-Hexanone	ND		ug/kg dry	12.0	12.0	1	05/03/24	05/03/24 18:28	LL
Isopropylbenzene (Cumene)	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
4-Isopropyltoluene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
4-Methyl-2-pentanone	ND		ug/kg dry	12.0	12.0	1	05/03/24	05/03/24 18:28	LL
Methylene chloride	**29.0**	L	ug/kg dry	23.9	23.9	1	05/03/24	05/03/24 18:28	LL
Naphthalene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
n-Propylbenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Styrene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Tetrachloroethene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Toluene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
1,2,3-Trichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
1,2,4-Trichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
1,1,1-Trichloroethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
1,1,2-Trichloroethane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Trichloroethene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
1,2,3-Trichloropropane	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-07

4050124-10 (Soil)
Sampled on: 05/01/24 11:45

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
1,3,5-Trimethylbenzene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Vinyl chloride	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
o-Xylene	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
m- & p-Xylenes	ND		ug/kg dry	6.0	2.4	1	05/03/24	05/03/24 18:28	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*94 %*	*05/03/24*		*05/03/24 18:28*		
Surrogate: Toluene-d8			*75-120*	*100 %*	*05/03/24*		*05/03/24 18:28*		
Surrogate: 4-Bromofluorobenzene			*65-120*	*102 %*	*05/03/24*		*05/03/24 18:28*		
GASOLINE RANGE ORGANICS BY EPA 5030/8015C Prepared by 5030-GC									
Gasoline-Range Organics	ND		mg/kg dry	0.12	0.12	1	05/07/24	05/07/24 15:03	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*104 %*	*05/07/24*		*05/07/24 15:03*		
DIESEL RANGE ORGANICS BY EPA 3540/8015C Prepared by 3540-GC(Soxhlet)									
Diesel-Range Organics (C10-C28)	ND		mg/kg dry	9.6	9.6	1	05/02/24	05/03/24 21:07	EH
Surrogate: o-Terphenyl			*70-130*	*96 %*	*05/02/24*		*05/03/24 21:07*		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**84**		%			1	05/01/24	05/02/24 08:31	AB

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-09

4050124-11 (Soil)
Sampled on: 05/01/24 14:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS									
Acetone	ND		ug/kg dry	12.2	12.2	1	05/03/24	05/03/24 18:56	LL
tert-Amyl alcohol (TAA)	ND		ug/kg dry	60.8	60.8	1	05/03/24	05/03/24 18:56	LL
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Benzene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Bromobenzene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Bromochloromethane	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Bromodichloromethane	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Bromoform	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Bromomethane	ND		ug/kg dry	6.1	6.1	1	05/03/24	05/03/24 18:56	LL
tert-Butanol (TBA)	ND		ug/kg dry	60.8	60.8	1	05/03/24	05/03/24 18:56	LL
2-Butanone (MEK)	ND		ug/kg dry	12.2	12.2	1	05/03/24	05/03/24 18:56	LL
n-Butylbenzene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
sec-Butylbenzene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
tert-Butylbenzene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Carbon disulfide	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Carbon tetrachloride	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Chlorobenzene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Chloroethane	ND		ug/kg dry	6.1	6.1	1	05/03/24	05/03/24 18:56	LL
Chloroform	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Chloromethane	ND		ug/kg dry	6.1	6.1	1	05/03/24	05/03/24 18:56	LL
2-Chlorotoluene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
4-Chlorotoluene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Dibromochloromethane	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
1,2-Dibromoethane (EDB)	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Dibromomethane	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
1,2-Dichlorobenzene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
1,3-Dichlorobenzene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
1,4-Dichlorobenzene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Dichlorodifluoromethane	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
1,1-Dichloroethane	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
1,2-Dichloroethane	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
1,1-Dichloroethene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-09

4050124-11 (Soil)
Sampled on: 05/01/24 14:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
trans-1,2-Dichloroethene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Dichlorofluoromethane	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
1,2-Dichloropropane	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
1,3-Dichloropropane	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
2,2-Dichloropropane	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
1,1-Dichloropropene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
cis-1,3-Dichloropropene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
trans-1,3-Dichloropropene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Diisopropyl ether (DIPE)	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Ethylbenzene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Hexachlorobutadiene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
2-Hexanone	ND		ug/kg dry	12.2	12.2	1	05/03/24	05/03/24 18:56	LL
Isopropylbenzene (Cumene)	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
4-Isopropyltoluene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
4-Methyl-2-pentanone	ND		ug/kg dry	12.2	12.2	1	05/03/24	05/03/24 18:56	LL
Methylene chloride	**31.2**	L	ug/kg dry	24.3	24.3	1	05/03/24	05/03/24 18:56	LL
Naphthalene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
n-Propylbenzene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Styrene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Tetrachloroethene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Toluene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
1,2,3-Trichlorobenzene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
1,2,4-Trichlorobenzene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
1,1,1-Trichloroethane	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
1,1,2-Trichloroethane	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Trichloroethene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
1,2,3-Trichloropropane	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-09

4050124-11 (Soil)
Sampled on: 05/01/24 14:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
1,3,5-Trimethylbenzene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Vinyl chloride	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
o-Xylene	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
m- & p-Xylenes	ND		ug/kg dry	6.1	2.4	1	05/03/24	05/03/24 18:56	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*97 %*	*05/03/24*		*05/03/24 18:56*		
Surrogate: Toluene-d8			*75-120*	*98 %*	*05/03/24*		*05/03/24 18:56*		
Surrogate: 4-Bromofluorobenzene			*65-120*	*100 %*	*05/03/24*		*05/03/24 18:56*		
GASOLINE RANGE ORGANICS BY EPA 5030/8015C Prepared by 5030-GC									
Gasoline-Range Organics	ND		mg/kg dry	0.12	0.12	1	05/07/24	05/07/24 15:30	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*105 %*	*05/07/24*		*05/07/24 15:30*		
DIESEL RANGE ORGANICS BY EPA 3540/8015C Prepared by 3540-GC(Soxhlet)									
Diesel-Range Organics (C10-C28)	ND		mg/kg dry	9.7	9.7	1	05/02/24	05/03/24 21:36	EH
Surrogate: o-Terphenyl			*70-130*	*96 %*	*05/02/24*		*05/03/24 21:36*		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**82**		%			1	05/02/24	05/03/24 08:25	RS

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-10

4050124-12 (Soil)
Sampled on: 05/01/24 14:15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS									
Acetone	ND		ug/kg dry	11.0	11.0	1	05/03/24	05/03/24 19:23	LL
tert-Amyl alcohol (TAA)	ND		ug/kg dry	55.2	55.2	1	05/03/24	05/03/24 19:23	LL
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Benzene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Bromobenzene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Bromochloromethane	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Bromodichloromethane	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Bromoform	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Bromomethane	ND		ug/kg dry	5.5	5.5	1	05/03/24	05/03/24 19:23	LL
tert-Butanol (TBA)	ND		ug/kg dry	55.2	55.2	1	05/03/24	05/03/24 19:23	LL
2-Butanone (MEK)	ND		ug/kg dry	11.0	11.0	1	05/03/24	05/03/24 19:23	LL
n-Butylbenzene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
sec-Butylbenzene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
tert-Butylbenzene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Carbon disulfide	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Carbon tetrachloride	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Chlorobenzene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Chloroethane	ND		ug/kg dry	5.5	5.5	1	05/03/24	05/03/24 19:23	LL
Chloroform	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Chloromethane	ND		ug/kg dry	5.5	5.5	1	05/03/24	05/03/24 19:23	LL
2-Chlorotoluene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
4-Chlorotoluene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Dibromochloromethane	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
1,2-Dibromoethane (EDB)	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Dibromomethane	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
1,2-Dichlorobenzene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
1,3-Dichlorobenzene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
1,4-Dichlorobenzene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Dichlorodifluoromethane	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
1,1-Dichloroethane	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
1,2-Dichloroethane	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
1,1-Dichloroethene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rabecka Koons, Quality Assurance Officer

All analyses performed at Maryland Spectral Services included in the report are TNI certified except as indicated at the end of the report.

Analytical Results

Project: Saddle Creek
Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-10

4050124-12 (Soil)
Sampled on: 05/01/24 14:15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
trans-1,2-Dichloroethene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Dichlorofluoromethane	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
1,2-Dichloropropane	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
1,3-Dichloropropane	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
2,2-Dichloropropane	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
1,1-Dichloropropene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
cis-1,3-Dichloropropene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
trans-1,3-Dichloropropene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Diisopropyl ether (DIPE)	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Ethylbenzene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Hexachlorobutadiene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
2-Hexanone	ND		ug/kg dry	11.0	11.0	1	05/03/24	05/03/24 19:23	LL
Isopropylbenzene (Cumene)	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
4-Isopropyltoluene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
4-Methyl-2-pentanone	ND		ug/kg dry	11.0	11.0	1	05/03/24	05/03/24 19:23	LL
Methylene chloride	**25.8**	L	ug/kg dry	22.1	22.1	1	05/03/24	05/03/24 19:23	LL
Naphthalene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
n-Propylbenzene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Styrene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Tetrachloroethene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Toluene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
1,2,3-Trichlorobenzene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
1,2,4-Trichlorobenzene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
1,1,1-Trichloroethane	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
1,1,2-Trichloroethane	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Trichloroethene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
1,2,3-Trichloropropane	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL

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Rabecka Koons, Quality Assurance Officer

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1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

2-10

4050124-12 (Soil)
Sampled on: 05/01/24 14:15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
1,3,5-Trimethylbenzene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Vinyl chloride	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
o-Xylene	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
m- & p-Xylenes	ND		ug/kg dry	5.5	2.2	1	05/03/24	05/03/24 19:23	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*97 %*		*05/03/24*		*05/03/24 19:23*	
Surrogate: Toluene-d8			*75-120*	*98 %*		*05/03/24*		*05/03/24 19:23*	
Surrogate: 4-Bromofluorobenzene			*65-120*	*100 %*		*05/03/24*		*05/03/24 19:23*	
GASOLINE RANGE ORGANICS BY EPA 5030/8015C Prepared by 5030-GC									
Gasoline-Range Organics	ND		mg/kg dry	0.11	0.11	1	05/07/24	05/07/24 15:58	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*104 %*		*05/07/24*		*05/07/24 15:58*	
DIESEL RANGE ORGANICS BY EPA 3540/8015C Prepared by 3540-GC(Soxhlet)									
Diesel-Range Organics (C10-C28)	ND		mg/kg dry	8.8	8.8	1	05/02/24	05/03/24 22:06	EH
Surrogate: o-Terphenyl			*70-130*	*108 %*		*05/02/24*		*05/03/24 22:06*	
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**91**		%			1	05/02/24	05/03/24 08:25	RS

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Rabecka Koons, Quality Assurance Officer

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Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

Maryland Spectral Services does not maintain certification for the following analytical parameters:

Maryland Spectral Services

Matrix , Method , Analyte

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Rabecka Koons, Quality Assurance Officer

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Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 13:37

Notes and Definitions

S-PCB	This QC sample was spiked for EPA 8081B only. EPA 8082A spike recovery was not evaluated.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QM-06	Due to non-homogeneity of the QC sample matrix, the MS/MSD or MS/DUP did not provide reliable results for accuracy and precision. Sample results for the QC batch were accepted based on LCS percent recoveries.
L	Analyte is a possible laboratory contaminant
J	Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
RE	Sample reanalyses are done at the laboratory's discretion as a mechanism to improve data quality. Any client requested reanalysis will be identified with a sample qualifier.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
%-Solids	Percent Solids is a supportive test and as such does not require accredidation

If this report contains any samples analyzed for gasoline range organics (GRO) by EPA Method 8015C and no trip blank was shipped, stored, and received with the sample(s) as required by Section 3.1 of the EPA Method, the sample analysis contained in this report cannot exclude the possibility that any reportable GRO measurement was due to environmental contamination of the sample during shipping or storage.

Rebecka Koons

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rabecka Koons, Quality Assurance Officer

All analyses performed at Maryland Spectral Services included in the report are TNI certified except as indicated at the end of the report.

Company Name:	Project Manager:
ECS Baltimore	Nick Stella
Project Name: Saddle Creek	Project ID: 18315-A
Sampler(s): Nick Stella	P.O. Number:
State of Origin: MD	

CHAIN-OF-CUSTODY RECORD

Maryland Spectral Services, Inc.
1500 Caton Center Drive, Suite G
Baltimore, MD 21227
410-247-7600 * Fax 410-247-7602
reporting@mdspectral.com

Matrix Codes: NPW - non-potable water; DW - drinking water

Field Sample ID:	Date	Time	DW	NPW	Soil	Other	Grab	Composite	# of containers	PAHs - 8270	PCBs - 8082	PP Metals - 6020	Hex Chrom - 7199	Preservative	Field Notes	MSS Lab ID
OU-2A	5/1/24	1500			X			X	2	X	X	X	X			4050124-01
OU-2B		1505			X			X		X	X	X	X			-02
OU-2C		1510			X			X		X	X	X	X			-03
OU-2D		1515			X			X		X	X	X	X			-04

Analysis Requested

Relinquished by: (Signature)	Date /Time	Relinquished by: (Signature)
(Printed) Nick Stella	5/1/24	(Printed)
Relinquished by: (Signature)	Date /Time 5/1/24 16:05	Received by lab: (Signature)
(Printed)		(Printed) Jaeden Tucker

Special Instructions / QC Requirements & Comments: 1 of 2

Please indicate if any of the following certifications are required:
- ☐ Virginia VELAP
- ☐ Pennsylvania NELAP
- ☐ West Virginia DEP
- ☐ MD Drinking Water
- ☐ VA Drinking Water
- ☐ Other _____

Turn Around Time:
- ☐ Normal (7 day)
- ☒ 5 day
- ☐ 4 day
- ☐ 3 day
- ☐ Rush (2 day)
- ☐ Next Day
- ☐ Other: _____
- ☐ Specific Due Date: _____

Delivery Method:
- ☐ Courier
- ☒ Client
- ☐ UPS
- ☐ Fed Ex
- ☐ USPS
- ☐ Other _____

Lab Use:
Temp: 3.0 °C
- ☒ Received on Ice
- ☐ Received Same Day

T-41

Sample Disposal:
- ☐ Return to Client
- ☐ Disposal by lab
- ☐ Archive for __ days

Company Name:	Project Manager:
ECS Baltimore	Nick Stella
Project Name: Saddle Creek	Project ID: 18315-A
Sampler(s): Nick Stella	P.O. Number:
State of Origin: MD	

CHAIN-OF-CUSTODY RECORD

Maryland Spectral Services, Inc.
1500 Caton Center Drive, Suite G
Baltimore, MD 21227
410-247-7600 * Fax 410-247-7602
reporting@mdspectral.com

Matrix Codes: NPW - non-potable water; DW - drinking water

Field Sample ID:	Date	Time	DW	NPW	Soil	Other	Grab	Composite	# of containers	Analysis Requested: TPH-DRO - 8015	TPH-GRO - 8015	VOCs - 8260	Preservative	Field Notes	MSS Lab ID
2-01	5/1/24	1015			X		X		1	X	X	X			4050124-05
2-03		0930			X		X			X	X	X			-06
2-04		1045			X		X			X	X	X			-07
2-05		1100			X		X			X	X	X			-08
2-06		1330			X		X			X	X	X			-09
2-07		1145			X		X			X	X	X			-10
2-09		1430			X		X			X	X	X			-11
2-10		1415			X		X			X	X	X			-12

Relinquished by: (Signature)	Date /Time	Relinquished by: (Signature)
(Printed) Nick Stella	5/1/24	(Printed)
Relinquished by: (Signature)	Date /Time	Received by lab: (Signature)
(Printed)	5/1/24 16:05	(Printed) Jaeden Tucker

Special Instructions / QC Requirements & Comments: 2 of 2

Please indicate if any of the following certifications are required:
- ☐ Virginia VELAP
- ☐ Pennsylvania NELAP
- ☐ West Virginia DEP
- ☐ MD Drinking Water
- ☐ VA Drinking Water
- ☐ Other _____

Turn Around Time:
- ☐ Normal (7 day)
- ☒ 5 day
- ☐ 4 day
- ☐ 3 day
- ☐ Rush (2 day)
- ☐ Next Day
- ☐ Other: _____
- ☐ Specific Due Date: _____

Delivery Method:
- ☐ Courier
- ☒ Client
- ☐ UPS
- ☐ Fed Ex
- ☐ USPS
- ☐ Other _____

Lab Use:
Temp: 3.0 °C
- ☑ Received on Ice
- ☑ Received Same Day

T-41

Sample Disposal:
- ☐ Return to Client
- ☐ Disposal by lab
- ☐ Archive for __ days

Maryland spectral Services

Analytical Chemistry Services

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com
VELAP ID 460040

09 May 2024

Nick Stella
ECS-Baltimore
1340 Charwood Rd, Suite A
Baltimore, MD 21076
RE: Saddle Creek

Enclosed are the results of analyses for samples received by the laboratory on 05/02/24 15:48.

Maryland Spectral Services, Inc. is a TNI 2016 Standard accredited laboratory and as such, all analyses performed at Maryland Spectral Services included in this report are 2016 TNI certified except as indicated at the end of this report. Please visit our website at www.mdspectral.com for a complete listing of our TNI 2016 Standard accreditations.

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

Sincerely,

Rabecka Koons
Quality Assurance Officer

Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
OU-1A		4050228-01	Soil	05/02/24 13:30	05/02/24 15:48
OU-1B		4050228-02	Soil	05/02/24 13:35	05/02/24 15:48
OU-1C		4050228-03	Soil	05/02/24 13:40	05/02/24 15:48
OU-1D		4050228-04	Soil	05/02/24 13:45	05/02/24 15:48
1-01		4050228-05	Soil	05/02/24 09:30	05/02/24 15:48
1-03		4050228-06	Soil	05/02/24 10:30	05/02/24 15:48
1-04		4050228-07	Soil	05/02/24 13:00	05/02/24 15:48
1-05		4050228-08	Soil	05/02/24 11:00	05/02/24 15:48
1-06		4050228-09	Soil	05/02/24 10:45	05/02/24 15:48
1-08		4050228-10	Soil	05/02/24 11:15	05/02/24 15:48
1-09		4050228-11	Soil	05/02/24 11:45	05/02/24 15:48
1-10		4050228-12	Soil	05/02/24 11:30	05/02/24 15:48
GW1-01		4050228-13	Nonpotable Water	05/02/24 12:10	05/02/24 15:48
GW1-03		4050228-14	Nonpotable Water	05/02/24 12:30	05/02/24 15:48
GW1-08		4050228-15	Nonpotable Water	05/02/24 12:20	05/02/24 15:48
GW1-09		4050228-16	Nonpotable Water	05/02/24 12:00	05/02/24 15:48

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Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

OU-1A

4050228-01 (Soil)
Sampled on: 05/02/24 13:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Semivolatile Organics by EPA 8270D (GC/MS) Prepared by 3540-GCMS(Soxhlet)									
Acenaphthene	ND		ug/kg dry	86	86	1	05/03/24	05/06/24 15:24	EH
Acenaphthylene	ND		ug/kg dry	86	86	1	05/03/24	05/06/24 15:24	EH
Anthracene	ND		ug/kg dry	86	86	1	05/03/24	05/06/24 15:24	EH
Benzo[a]anthracene	ND		ug/kg dry	86	86	1	05/03/24	05/06/24 15:24	EH
Benzo[b]fluoranthene	ND		ug/kg dry	86	86	1	05/03/24	05/06/24 15:24	EH
Benzo[k]fluoranthene	ND		ug/kg dry	86	86	1	05/03/24	05/06/24 15:24	EH
Benzo[g,h,i]perylene	ND		ug/kg dry	86	86	1	05/03/24	05/06/24 15:24	EH
Benzo[a]pyrene	ND		ug/kg dry	86	86	1	05/03/24	05/06/24 15:24	EH
Chrysene	ND		ug/kg dry	86	86	1	05/03/24	05/06/24 15:24	EH
Dibenz[a,h]anthracene	ND		ug/kg dry	86	86	1	05/03/24	05/06/24 15:24	EH
Fluoranthene	ND		ug/kg dry	86	86	1	05/03/24	05/06/24 15:24	EH
Fluorene	ND		ug/kg dry	86	86	1	05/03/24	05/06/24 15:24	EH
Indeno[1,2,3-cd]pyrene	ND		ug/kg dry	86	86	1	05/03/24	05/06/24 15:24	EH
2-Methylnaphthalene	ND		ug/kg dry	86	86	1	05/03/24	05/06/24 15:24	EH
Naphthalene	ND		ug/kg dry	86	86	1	05/03/24	05/06/24 15:24	EH
Phenanthrene	ND		ug/kg dry	86	86	1	05/03/24	05/06/24 15:24	EH
Pyrene	ND		ug/kg dry	86	86	1	05/03/24	05/06/24 15:24	EH
Surrogate: 2-Fluorophenol			*23-121*	*87 %*	*05/03/24*		*05/06/24 15:24*		
Surrogate: Phenol-d5			*24-113*	*90 %*	*05/03/24*		*05/06/24 15:24*		
Surrogate: Nitrobenzene-d5			*23-120*	*91 %*	*05/03/24*		*05/06/24 15:24*		
Surrogate: 2,4,6-Tribromophenol			*19-122*	*90 %*	*05/03/24*		*05/06/24 15:24*		
Surrogate: 2-Fluorobiphenyl			*30-115*	*89 %*	*05/03/24*		*05/06/24 15:24*		
Surrogate: Terphenyl-d14			*18-137*	*91 %*	*05/03/24*		*05/06/24 15:24*		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**93**		%			1	05/02/24	05/03/24 08:25	RS

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Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

OU-1A

4050228-01 (Soil)
Sampled on: 05/02/24 13:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
POLYCHLORINATED BIPHENYLS BY EPA 8082A (GC/ECD) Prepared by 3540-GC(Soxhlet) ClPestPCB									
Aroclor-1016	ND		ug/kg dry	43.1	43.1	1	05/03/24	05/08/24 21:37	ARS
Aroclor-1221	ND		ug/kg dry	43.1	43.1	1	05/03/24	05/08/24 21:37	ARS
Aroclor-1232	ND		ug/kg dry	43.1	43.1	1	05/03/24	05/08/24 21:37	ARS
Aroclor-1242	ND		ug/kg dry	43.1	43.1	1	05/03/24	05/08/24 21:37	ARS
Aroclor-1248	ND		ug/kg dry	43.1	43.1	1	05/03/24	05/08/24 21:37	ARS
Aroclor-1254	ND		ug/kg dry	43.1	43.1	1	05/03/24	05/08/24 21:37	ARS
Aroclor-1260	ND		ug/kg dry	43.1	43.1	1	05/03/24	05/08/24 21:37	ARS
Aroclor-1262	ND		ug/kg dry	43.1	43.1	1	05/03/24	05/08/24 21:37	ARS
Aroclor-1268	ND		ug/kg dry	43.1	43.1	1	05/03/24	05/08/24 21:37	ARS
Surrogate: Tetrachloro-m-xylene			*40-150*	*88 %*		*05/03/24*		*05/08/24 21:37*	
Surrogate: Decachlorobiphenyl			*40-150*	*83 %*		*05/03/24*		*05/08/24 21:37*	
Total Metals Analysis by EPA 6020B Prepared by 3050B-Metals Digestion									
Antimony	ND		mg/kg dry	0.270	0.270	1	05/02/24	05/03/24 17:29	AWH
Arsenic	**1.88**		mg/kg dry	0.270	0.270	1	05/02/24	05/03/24 17:29	AWH
Beryllium	ND		mg/kg dry	0.270	0.270	1	05/02/24	05/03/24 17:29	AWH
Cadmium	ND		mg/kg dry	0.270	0.270	1	05/02/24	05/03/24 17:29	AWH
Chromium	**10.5**		mg/kg dry	0.270	0.270	1	05/02/24	05/03/24 17:29	AWH
Copper	**5.06**		mg/kg dry	0.270	0.270	1	05/02/24	05/03/24 17:29	AWH
Lead	**4.46**		mg/kg dry	0.270	0.270	1	05/02/24	05/03/24 17:29	AWH
Mercury	**0.0148**		mg/kg dry	0.0135	0.0135	1	05/02/24	05/03/24 17:29	AWH
Nickel	**2.88**		mg/kg dry	0.270	0.270	1	05/02/24	05/03/24 17:29	AWH
Selenium	**0.747**		mg/kg dry	0.270	0.270	1	05/02/24	05/03/24 17:29	AWH
Silver	ND		mg/kg dry	0.270	0.270	1	05/02/24	05/03/24 17:29	AWH
Thallium	ND		mg/kg dry	0.270	0.270	1	05/02/24	05/03/24 17:29	AWH
Zinc	**8.65**		mg/kg dry	1.35	1.35	1	05/02/24	05/03/24 17:29	AWH

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Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

OU-1A

4050228-01 (Soil)
Sampled on: 05/02/24 13:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Hexavalent Chromium by EPA 7199 Prepared by 3060A-Hexavalent Chromium Digestion									
Chromium, Hexavalent	ND		mg/kg dry	0.216	0.162	1	05/07/24	05/08/24 20:56	CRP

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Baltimore MD 21227
410-247-7600
www.mdspectral.com

Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

OU-1B

4050228-02 (Soil)
Sampled on: 05/02/24 13:35

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Semivolatile Organics by EPA 8270D (GC/MS) Prepared by 3540-GCMS(Soxhlet)									
Acenaphthene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 15:45	EH
Acenaphthylene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 15:45	EH
Anthracene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 15:45	EH
Benzo[a]anthracene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 15:45	EH
Benzo[b]fluoranthene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 15:45	EH
Benzo[k]fluoranthene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 15:45	EH
Benzo[g,h,i]perylene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 15:45	EH
Benzo[a]pyrene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 15:45	EH
Chrysene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 15:45	EH
Dibenz[a,h]anthracene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 15:45	EH
Fluoranthene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 15:45	EH
Fluorene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 15:45	EH
Indeno[1,2,3-cd]pyrene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 15:45	EH
2-Methylnaphthalene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 15:45	EH
Naphthalene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 15:45	EH
Phenanthrene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 15:45	EH
Pyrene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 15:45	EH
Surrogate: 2-Fluorophenol			*23-121*	*89 %*	*05/03/24*		*05/06/24 15:45*		
Surrogate: Phenol-d5			*24-113*	*91 %*	*05/03/24*		*05/06/24 15:45*		
Surrogate: Nitrobenzene-d5			*23-120*	*89 %*	*05/03/24*		*05/06/24 15:45*		
Surrogate: 2,4,6-Tribromophenol			*19-122*	*89 %*	*05/03/24*		*05/06/24 15:45*		
Surrogate: 2-Fluorobiphenyl			*30-115*	*86 %*	*05/03/24*		*05/06/24 15:45*		
Surrogate: Terphenyl-d14			*18-137*	*93 %*	*05/03/24*		*05/06/24 15:45*		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**90**		%			1	05/02/24	05/03/24 08:25	RS

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Analytical Results

1500 Caton Center Dr Suite G
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410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

OU-1B

4050228-02 (Soil)
Sampled on: 05/02/24 13:35

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
POLYCHLORINATED BIPHENYLS BY EPA 8082A (GC/ECD) Prepared by 3540-GC(Soxhlet) ClPestPCB									
Aroclor-1016	ND		ug/kg dry	44.4	44.4	1	05/03/24	05/08/24 21:53	ARS
Aroclor-1221	ND		ug/kg dry	44.4	44.4	1	05/03/24	05/08/24 21:53	ARS
Aroclor-1232	ND		ug/kg dry	44.4	44.4	1	05/03/24	05/08/24 21:53	ARS
Aroclor-1242	ND		ug/kg dry	44.4	44.4	1	05/03/24	05/08/24 21:53	ARS
Aroclor-1248	ND		ug/kg dry	44.4	44.4	1	05/03/24	05/08/24 21:53	ARS
Aroclor-1254	ND		ug/kg dry	44.4	44.4	1	05/03/24	05/08/24 21:53	ARS
Aroclor-1260	ND		ug/kg dry	44.4	44.4	1	05/03/24	05/08/24 21:53	ARS
Aroclor-1262	ND		ug/kg dry	44.4	44.4	1	05/03/24	05/08/24 21:53	ARS
Aroclor-1268	ND		ug/kg dry	44.4	44.4	1	05/03/24	05/08/24 21:53	ARS
Surrogate: Tetrachloro-m-xylene			*40-150*	*88 %*		*05/03/24*		*05/08/24 21:53*	
Surrogate: Decachlorobiphenyl			*40-150*	*85 %*		*05/03/24*		*05/08/24 21:53*	
Total Metals Analysis by EPA 6020B Prepared by 3050B-Metals Digestion									
Antimony	ND		mg/kg dry	0.277	0.277	1	05/02/24	05/03/24 17:31	AWH
Arsenic	**2.93**		mg/kg dry	0.277	0.277	1	05/02/24	05/03/24 17:31	AWH
Beryllium	**0.315**		mg/kg dry	0.277	0.277	1	05/02/24	05/03/24 17:31	AWH
Cadmium	ND		mg/kg dry	0.277	0.277	1	05/02/24	05/03/24 17:31	AWH
Chromium	**15.4**		mg/kg dry	0.277	0.277	1	05/02/24	05/03/24 17:31	AWH
Copper	**5.65**		mg/kg dry	0.277	0.277	1	05/02/24	05/03/24 17:31	AWH
Lead	**4.22**		mg/kg dry	0.277	0.277	1	05/02/24	05/03/24 17:31	AWH
Mercury	**0.0172**		mg/kg dry	0.0139	0.0139	1	05/02/24	05/03/24 17:31	AWH
Nickel	**2.93**		mg/kg dry	0.277	0.277	1	05/02/24	05/03/24 17:31	AWH
Selenium	**0.854**		mg/kg dry	0.277	0.277	1	05/02/24	05/03/24 17:31	AWH
Silver	ND		mg/kg dry	0.277	0.277	1	05/02/24	05/03/24 17:31	AWH
Thallium	ND		mg/kg dry	0.277	0.277	1	05/02/24	05/03/24 17:31	AWH
Zinc	**8.72**		mg/kg dry	1.39	1.39	1	05/02/24	05/03/24 17:31	AWH

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Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

OU-1B

4050228-02 (Soil)
Sampled on: 05/02/24 13:35

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Hexavalent Chromium by EPA 7199 Prepared by 3060A-Hexavalent Chromium Digestion									
Chromium, Hexavalent	ND		mg/kg dry	0.222	0.166	1	05/07/24	05/08/24 21:14	CRP

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Analytical Results

1500 Caton Center Dr Suite G
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410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

OU-1C

4050228-03 (Soil)
Sampled on: 05/02/24 13:40

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Semivolatile Organics by EPA 8270D (GC/MS) Prepared by 3540-GCMS(Soxhlet)									
Acenaphthene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 16:06	EH
Acenaphthylene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 16:06	EH
Anthracene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 16:06	EH
Benzo[a]anthracene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 16:06	EH
Benzo[b]fluoranthene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 16:06	EH
Benzo[k]fluoranthene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 16:06	EH
Benzo[g,h,i]perylene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 16:06	EH
Benzo[a]pyrene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 16:06	EH
Chrysene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 16:06	EH
Dibenz[a,h]anthracene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 16:06	EH
Fluoranthene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 16:06	EH
Fluorene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 16:06	EH
Indeno[1,2,3-cd]pyrene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 16:06	EH
2-Methylnaphthalene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 16:06	EH
Naphthalene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 16:06	EH
Phenanthrene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 16:06	EH
Pyrene	ND		ug/kg dry	89	89	1	05/03/24	05/06/24 16:06	EH
Surrogate: 2-Fluorophenol			*23-121*	*90 %*	*05/03/24*		*05/06/24 16:06*		
Surrogate: Phenol-d5			*24-113*	*92 %*	*05/03/24*		*05/06/24 16:06*		
Surrogate: Nitrobenzene-d5			*23-120*	*93 %*	*05/03/24*		*05/06/24 16:06*		
Surrogate: 2,4,6-Tribromophenol			*19-122*	*93 %*	*05/03/24*		*05/06/24 16:06*		
Surrogate: 2-Fluorobiphenyl			*30-115*	*89 %*	*05/03/24*		*05/06/24 16:06*		
Surrogate: Terphenyl-d14			*18-137*	*95 %*	*05/03/24*		*05/06/24 16:06*		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**90**		%			1	05/02/24	05/03/24 08:25	RS

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Analytical Results

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Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

OU-1C

4050228-03 (Soil)
Sampled on: 05/02/24 13:40

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
POLYCHLORINATED BIPHENYLS BY EPA 8082A (GC/ECD) Prepared by 3540-GC(Soxhlet) ClPestPCB									
Aroclor-1016	ND		ug/kg dry	44.4	44.4	1	05/03/24	05/08/24 22:10	ARS
Aroclor-1221	ND		ug/kg dry	44.4	44.4	1	05/03/24	05/08/24 22:10	ARS
Aroclor-1232	ND		ug/kg dry	44.4	44.4	1	05/03/24	05/08/24 22:10	ARS
Aroclor-1242	ND		ug/kg dry	44.4	44.4	1	05/03/24	05/08/24 22:10	ARS
Aroclor-1248	ND		ug/kg dry	44.4	44.4	1	05/03/24	05/08/24 22:10	ARS
Aroclor-1254	ND		ug/kg dry	44.4	44.4	1	05/03/24	05/08/24 22:10	ARS
Aroclor-1260	ND		ug/kg dry	44.4	44.4	1	05/03/24	05/08/24 22:10	ARS
Aroclor-1262	ND		ug/kg dry	44.4	44.4	1	05/03/24	05/08/24 22:10	ARS
Aroclor-1268	ND		ug/kg dry	44.4	44.4	1	05/03/24	05/08/24 22:10	ARS
Surrogate: Tetrachloro-m-xylene			*40-150*	*84 %*		*05/03/24*		*05/08/24 22:10*	
Surrogate: Decachlorobiphenyl			*40-150*	*83 %*		*05/03/24*		*05/08/24 22:10*	
Total Metals Analysis by EPA 6020B Prepared by 3050B-Metals Digestion									
Antimony	ND		mg/kg dry	0.278	0.278	1	05/02/24	05/03/24 17:34	AWH
Arsenic	**2.59**		mg/kg dry	0.278	0.278	1	05/02/24	05/03/24 17:34	AWH
Beryllium	ND		mg/kg dry	0.278	0.278	1	05/02/24	05/03/24 17:34	AWH
Cadmium	ND		mg/kg dry	0.278	0.278	1	05/02/24	05/03/24 17:34	AWH
Chromium	**10.7**		mg/kg dry	0.278	0.278	1	05/02/24	05/03/24 17:34	AWH
Copper	**6.49**		mg/kg dry	0.278	0.278	1	05/02/24	05/03/24 17:34	AWH
Lead	**3.96**		mg/kg dry	0.278	0.278	1	05/02/24	05/03/24 17:34	AWH
Mercury	**0.0176**		mg/kg dry	0.0139	0.0139	1	05/02/24	05/03/24 17:34	AWH
Nickel	**2.53**		mg/kg dry	0.278	0.278	1	05/02/24	05/03/24 17:34	AWH
Selenium	**1.07**		mg/kg dry	0.278	0.278	1	05/02/24	05/03/24 17:34	AWH
Silver	ND		mg/kg dry	0.278	0.278	1	05/02/24	05/03/24 17:34	AWH
Thallium	ND		mg/kg dry	0.278	0.278	1	05/02/24	05/03/24 17:34	AWH
Zinc	**8.81**		mg/kg dry	1.39	1.39	1	05/02/24	05/03/24 17:34	AWH

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Analytical Results

1500 Caton Center Dr Suite G
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410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

OU-1C

4050228-03 (Soil)
Sampled on: 05/02/24 13:40

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Hexavalent Chromium by EPA 7199 Prepared by 3060A-Hexavalent Chromium Digestion									
Chromium, Hexavalent	ND		mg/kg dry	0.222	0.167	1	05/07/24	05/08/24 21:32	CRP

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Analytical Results

1500 Caton Center Dr Suite G
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410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

OU-1D

4050228-04 (Soil)
Sampled on: 05/02/24 13:45

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Semivolatile Organics by EPA 8270D (GC/MS) Prepared by 3540-GCMS(Soxhlet)									
Acenaphthene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 16:26	EH
Acenaphthylene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 16:26	EH
Anthracene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 16:26	EH
Benzo[a]anthracene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 16:26	EH
Benzo[b]fluoranthene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 16:26	EH
Benzo[k]fluoranthene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 16:26	EH
Benzo[g,h,i]perylene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 16:26	EH
Benzo[a]pyrene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 16:26	EH
Chrysene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 16:26	EH
Dibenz[a,h]anthracene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 16:26	EH
Fluoranthene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 16:26	EH
Fluorene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 16:26	EH
Indeno[1,2,3-cd]pyrene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 16:26	EH
2-Methylnaphthalene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 16:26	EH
Naphthalene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 16:26	EH
Phenanthrene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 16:26	EH
Pyrene	ND		ug/kg dry	92	92	1	05/03/24	05/06/24 16:26	EH
Surrogate: 2-Fluorophenol			*23-121*	*86 %*	*05/03/24*		*05/06/24 16:26*		
Surrogate: Phenol-d5			*24-113*	*91 %*	*05/03/24*		*05/06/24 16:26*		
Surrogate: Nitrobenzene-d5			*23-120*	*93 %*	*05/03/24*		*05/06/24 16:26*		
Surrogate: 2,4,6-Tribromophenol			*19-122*	*96 %*	*05/03/24*		*05/06/24 16:26*		
Surrogate: 2-Fluorobiphenyl			*30-115*	*91 %*	*05/03/24*		*05/06/24 16:26*		
Surrogate: Terphenyl-d14			*18-137*	*97 %*	*05/03/24*		*05/06/24 16:26*		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**87**		%			1	05/02/24	05/03/24 08:25	RS

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Baltimore MD 21227
410-247-7600
www.mdspectral.com

Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

OU-1D

4050228-04 (Soil)
Sampled on: 05/02/24 13:45

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
POLYCHLORINATED BIPHENYLS BY EPA 8082A (GC/ECD) Prepared by 3540-GC(Soxhlet) ClPestPCB									
Aroclor-1016	ND		ug/kg dry	45.9	45.9	1	05/03/24	05/08/24 22:26	ARS
Aroclor-1221	ND		ug/kg dry	45.9	45.9	1	05/03/24	05/08/24 22:26	ARS
Aroclor-1232	ND		ug/kg dry	45.9	45.9	1	05/03/24	05/08/24 22:26	ARS
Aroclor-1242	ND		ug/kg dry	45.9	45.9	1	05/03/24	05/08/24 22:26	ARS
Aroclor-1248	ND		ug/kg dry	45.9	45.9	1	05/03/24	05/08/24 22:26	ARS
Aroclor-1254	ND		ug/kg dry	45.9	45.9	1	05/03/24	05/08/24 22:26	ARS
Aroclor-1260	ND		ug/kg dry	45.9	45.9	1	05/03/24	05/08/24 22:26	ARS
Aroclor-1262	ND		ug/kg dry	45.9	45.9	1	05/03/24	05/08/24 22:26	ARS
Aroclor-1268	ND		ug/kg dry	45.9	45.9	1	05/03/24	05/08/24 22:26	ARS
Surrogate: Tetrachloro-m-xylene			*40-150*	*87 %*		*05/03/24*		*05/08/24 22:26*	
Surrogate: Decachlorobiphenyl			*40-150*	*81 %*		*05/03/24*		*05/08/24 22:26*	
Total Metals Analysis by EPA 6020B Prepared by 3050B-Metals Digestion									
Antimony	ND		mg/kg dry	0.287	0.287	1	05/02/24	05/03/24 17:37	AWH
Arsenic	**1.97**		mg/kg dry	0.287	0.287	1	05/02/24	05/03/24 17:37	AWH
Beryllium	ND		mg/kg dry	0.287	0.287	1	05/02/24	05/03/24 17:37	AWH
Cadmium	ND		mg/kg dry	0.287	0.287	1	05/02/24	05/03/24 17:37	AWH
Chromium	**9.82**		mg/kg dry	0.287	0.287	1	05/02/24	05/03/24 17:37	AWH
Copper	**4.45**		mg/kg dry	0.287	0.287	1	05/02/24	05/03/24 17:37	AWH
Lead	**3.09**		mg/kg dry	0.287	0.287	1	05/02/24	05/03/24 17:37	AWH
Mercury	**0.0199**		mg/kg dry	0.0143	0.0143	1	05/02/24	05/03/24 17:37	AWH
Nickel	**2.88**		mg/kg dry	0.287	0.287	1	05/02/24	05/03/24 17:37	AWH
Selenium	**1.23**		mg/kg dry	0.287	0.287	1	05/02/24	05/03/24 17:37	AWH
Silver	ND		mg/kg dry	0.287	0.287	1	05/02/24	05/03/24 17:37	AWH
Thallium	ND		mg/kg dry	0.287	0.287	1	05/02/24	05/03/24 17:37	AWH
Zinc	**8.26**		mg/kg dry	1.43	1.43	1	05/02/24	05/03/24 17:37	AWH

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Analytical Results

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410-247-7600
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Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

OU-1D

4050228-04 (Soil)
Sampled on: 05/02/24 13:45

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Hexavalent Chromium by EPA 7199 Prepared by 3060A-Hexavalent Chromium Digestion									
Chromium, Hexavalent	ND		mg/kg dry	0.229	0.172	1	05/07/24	05/08/24 21:49	CRP

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Analytical Results

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www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-01

4050228-05 (Soil)
Sampled on: 05/02/24 09:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS									
Acetone	ND		ug/kg dry	10.8	10.8	1	05/07/24	05/07/24 14:45	LL
tert-Amyl alcohol (TAA)	ND		ug/kg dry	53.8	53.8	1	05/07/24	05/07/24 14:45	LL
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Benzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Bromobenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Bromochloromethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Bromodichloromethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Bromoform	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Bromomethane	ND		ug/kg dry	5.4	5.4	1	05/07/24	05/07/24 14:45	LL
tert-Butanol (TBA)	ND		ug/kg dry	53.8	53.8	1	05/07/24	05/07/24 14:45	LL
2-Butanone (MEK)	ND		ug/kg dry	10.8	10.8	1	05/07/24	05/07/24 14:45	LL
n-Butylbenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
sec-Butylbenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
tert-Butylbenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Carbon disulfide	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Carbon tetrachloride	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Chlorobenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Chloroethane	ND		ug/kg dry	5.4	5.4	1	05/07/24	05/07/24 14:45	LL
Chloroform	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Chloromethane	ND		ug/kg dry	5.4	5.4	1	05/07/24	05/07/24 14:45	LL
2-Chlorotoluene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
4-Chlorotoluene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Dibromochloromethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
1,2-Dibromoethane (EDB)	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Dibromomethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
1,2-Dichlorobenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
1,3-Dichlorobenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
1,4-Dichlorobenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Dichlorodifluoromethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
1,1-Dichloroethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
1,2-Dichloroethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
1,1-Dichloroethene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL

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Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-01

4050228-05 (Soil)
Sampled on: 05/02/24 09:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
trans-1,2-Dichloroethene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Dichlorofluoromethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
1,2-Dichloropropane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
1,3-Dichloropropane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
2,2-Dichloropropane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
1,1-Dichloropropene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
cis-1,3-Dichloropropene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
trans-1,3-Dichloropropene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Diisopropyl ether (DIPE)	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Ethylbenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Hexachlorobutadiene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
2-Hexanone	ND		ug/kg dry	10.8	10.8	1	05/07/24	05/07/24 14:45	LL
Isopropylbenzene (Cumene)	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
4-Isopropyltoluene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
4-Methyl-2-pentanone	ND		ug/kg dry	10.8	10.8	1	05/07/24	05/07/24 14:45	LL
Methylene chloride	**28.2**	L	ug/kg dry	21.5	21.5	1	05/07/24	05/07/24 14:45	LL
Naphthalene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
n-Propylbenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Styrene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Tetrachloroethene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Toluene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
1,2,3-Trichlorobenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
1,2,4-Trichlorobenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
1,1,1-Trichloroethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
1,1,2-Trichloroethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Trichloroethene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
1,2,3-Trichloropropane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-01

4050228-05 (Soil)
Sampled on: 05/02/24 09:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
1,3,5-Trimethylbenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Vinyl chloride	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
o-Xylene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
m- & p-Xylenes	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 14:45	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*95 %*	*05/07/24*		*05/07/24 14:45*		
Surrogate: Toluene-d8			*75-120*	*98 %*	*05/07/24*		*05/07/24 14:45*		
Surrogate: 4-Bromofluorobenzene			*65-120*	*99 %*	*05/07/24*		*05/07/24 14:45*		
GASOLINE RANGE ORGANICS BY EPA 5030/8015C Prepared by 5030-GC									
Gasoline-Range Organics	ND		mg/kg dry	0.11	0.11	1	05/08/24	05/08/24 12:51	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*103 %*	*05/08/24*		*05/08/24 12:51*		
DIESEL RANGE ORGANICS BY EPA 3540/8015C Prepared by 3540-GC(Soxhlet)									
Diesel-Range Organics (C10-C28)	ND		mg/kg dry	8.6	8.6	1	05/03/24	05/06/24 14:44	TS
Surrogate: o-Terphenyl			*70-130*	*98 %*	*05/03/24*		*05/06/24 14:44*		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**93**		%			1	05/02/24	05/03/24 08:25	RS

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-03

4050228-06 (Soil)
Sampled on: 05/02/24 10:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS									
Acetone	**13.0**		ug/kg dry	12.4	12.4	1	05/07/24	05/07/24 15:13	LL
tert-Amyl alcohol (TAA)	ND		ug/kg dry	62.2	62.2	1	05/07/24	05/07/24 15:13	LL
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Benzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Bromobenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Bromochloromethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Bromodichloromethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Bromoform	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Bromomethane	ND		ug/kg dry	6.2	6.2	1	05/07/24	05/07/24 15:13	LL
tert-Butanol (TBA)	ND		ug/kg dry	62.2	62.2	1	05/07/24	05/07/24 15:13	LL
2-Butanone (MEK)	ND		ug/kg dry	12.4	12.4	1	05/07/24	05/07/24 15:13	LL
n-Butylbenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
sec-Butylbenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
tert-Butylbenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Carbon disulfide	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Carbon tetrachloride	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Chlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Chloroethane	ND		ug/kg dry	6.2	6.2	1	05/07/24	05/07/24 15:13	LL
Chloroform	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Chloromethane	ND		ug/kg dry	6.2	6.2	1	05/07/24	05/07/24 15:13	LL
2-Chlorotoluene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
4-Chlorotoluene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Dibromochloromethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
1,2-Dibromoethane (EDB)	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Dibromomethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
1,2-Dichlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
1,3-Dichlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
1,4-Dichlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Dichlorodifluoromethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
1,1-Dichloroethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
1,2-Dichloroethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
1,1-Dichloroethene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-03

4050228-06 (Soil)
Sampled on: 05/02/24 10:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
trans-1,2-Dichloroethene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Dichlorofluoromethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
1,2-Dichloropropane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
1,3-Dichloropropane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
2,2-Dichloropropane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
1,1-Dichloropropene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
cis-1,3-Dichloropropene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
trans-1,3-Dichloropropene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Diisopropyl ether (DIPE)	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Ethylbenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Hexachlorobutadiene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
2-Hexanone	ND		ug/kg dry	12.4	12.4	1	05/07/24	05/07/24 15:13	LL
Isopropylbenzene (Cumene)	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
4-Isopropyltoluene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
4-Methyl-2-pentanone	ND		ug/kg dry	12.4	12.4	1	05/07/24	05/07/24 15:13	LL
Methylene chloride	**32.5**	L	ug/kg dry	24.9	24.9	1	05/07/24	05/07/24 15:13	LL
Naphthalene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
n-Propylbenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Styrene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Tetrachloroethene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Toluene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
1,2,3-Trichlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
1,2,4-Trichlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
1,1,1-Trichloroethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
1,1,2-Trichloroethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Trichloroethene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
1,2,3-Trichloropropane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-03

4050228-06 (Soil)
Sampled on: 05/02/24 10:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
1,3,5-Trimethylbenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Vinyl chloride	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
o-Xylene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
m- & p-Xylenes	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 15:13	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*96 %*	*05/07/24*		*05/07/24 15:13*		
Surrogate: Toluene-d8			*75-120*	*98 %*	*05/07/24*		*05/07/24 15:13*		
Surrogate: 4-Bromofluorobenzene			*65-120*	*102 %*	*05/07/24*		*05/07/24 15:13*		
GASOLINE RANGE ORGANICS BY EPA 5030/8015C Prepared by 5030-GC									
Gasoline-Range Organics	ND		mg/kg dry	0.12	0.12	1	05/08/24	05/08/24 13:19	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*103 %*	*05/08/24*		*05/08/24 13:19*		
DIESEL RANGE ORGANICS BY EPA 3540/8015C Prepared by 3540-GC(Soxhlet)									
Diesel-Range Organics (C10-C28)	ND		mg/kg dry	9.9	9.9	1	05/03/24	05/06/24 15:13	TS
Surrogate: o-Terphenyl			*70-130*	*73 %*	*05/03/24*		*05/06/24 15:13*		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**80**		%			1	05/02/24	05/03/24 08:25	RS

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-04

4050228-07 (Soil)
Sampled on: 05/02/24 13:00

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS									
Acetone	**51.5**		ug/kg dry	10.9	10.9	1	05/07/24	05/07/24 15:40	LL
tert-Amyl alcohol (TAA)	ND		ug/kg dry	54.4	54.4	1	05/07/24	05/07/24 15:40	LL
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Benzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Bromobenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Bromochloromethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Bromodichloromethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Bromoform	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Bromomethane	ND		ug/kg dry	5.4	5.4	1	05/07/24	05/07/24 15:40	LL
tert-Butanol (TBA)	ND		ug/kg dry	54.4	54.4	1	05/07/24	05/07/24 15:40	LL
2-Butanone (MEK)	ND		ug/kg dry	10.9	10.9	1	05/07/24	05/07/24 15:40	LL
n-Butylbenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
sec-Butylbenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
tert-Butylbenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Carbon disulfide	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Carbon tetrachloride	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Chlorobenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Chloroethane	ND		ug/kg dry	5.4	5.4	1	05/07/24	05/07/24 15:40	LL
Chloroform	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Chloromethane	ND		ug/kg dry	5.4	5.4	1	05/07/24	05/07/24 15:40	LL
2-Chlorotoluene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
4-Chlorotoluene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Dibromochloromethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
1,2-Dibromoethane (EDB)	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Dibromomethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
1,2-Dichlorobenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
1,3-Dichlorobenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
1,4-Dichlorobenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Dichlorodifluoromethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
1,1-Dichloroethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
1,2-Dichloroethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
1,1-Dichloroethene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-04

4050228-07 (Soil)
Sampled on: 05/02/24 13:00

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
trans-1,2-Dichloroethene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Dichlorofluoromethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
1,2-Dichloropropane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
1,3-Dichloropropane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
2,2-Dichloropropane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
1,1-Dichloropropene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
cis-1,3-Dichloropropene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
trans-1,3-Dichloropropene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Diisopropyl ether (DIPE)	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Ethylbenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Hexachlorobutadiene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
2-Hexanone	ND		ug/kg dry	10.9	10.9	1	05/07/24	05/07/24 15:40	LL
Isopropylbenzene (Cumene)	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
4-Isopropyltoluene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
4-Methyl-2-pentanone	ND		ug/kg dry	10.9	10.9	1	05/07/24	05/07/24 15:40	LL
Methylene chloride	**27.5**	L	ug/kg dry	21.7	21.7	1	05/07/24	05/07/24 15:40	LL
Naphthalene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
n-Propylbenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Styrene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Tetrachloroethene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Toluene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
1,2,3-Trichlorobenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
1,2,4-Trichlorobenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
1,1,1-Trichloroethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
1,1,2-Trichloroethane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Trichloroethene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
1,2,3-Trichloropropane	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-04

4050228-07 (Soil)
Sampled on: 05/02/24 13:00

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
1,3,5-Trimethylbenzene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Vinyl chloride	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
o-Xylene	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
m- & p-Xylenes	ND		ug/kg dry	5.4	2.2	1	05/07/24	05/07/24 15:40	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*97 %*	*05/07/24*		*05/07/24 15:40*		
Surrogate: Toluene-d8			*75-120*	*100 %*	*05/07/24*		*05/07/24 15:40*		
Surrogate: 4-Bromofluorobenzene			*65-120*	*98 %*	*05/07/24*		*05/07/24 15:40*		
GASOLINE RANGE ORGANICS BY EPA 5030/8015C Prepared by 5030-GC									
Gasoline-Range Organics	ND		mg/kg dry	0.11	0.11	1	05/08/24	05/08/24 13:47	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*102 %*	*05/08/24*		*05/08/24 13:47*		
DIESEL RANGE ORGANICS BY EPA 3540/8015C Prepared by 3540-GC(Soxhlet)									
Diesel-Range Organics (C10-C28)	**24.2**		mg/kg dry	8.7	8.7	1	05/03/24	05/06/24 15:43	TS
Surrogate: o-Terphenyl			*70-130*	*70 %*	*05/03/24*		*05/06/24 15:43*		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**92**		%			1	05/02/24	05/03/24 08:25	RS

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-05

4050228-08 (Soil)
Sampled on: 05/02/24 11:00

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS									
Acetone	**101**		ug/kg dry	11.9	11.9	1	05/07/24	05/07/24 16:08	LL
tert-Amyl alcohol (TAA)	ND		ug/kg dry	59.6	59.6	1	05/07/24	05/07/24 16:08	LL
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Benzene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Bromobenzene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Bromochloromethane	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Bromodichloromethane	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Bromoform	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Bromomethane	ND		ug/kg dry	6.0	6.0	1	05/07/24	05/07/24 16:08	LL
tert-Butanol (TBA)	ND		ug/kg dry	59.6	59.6	1	05/07/24	05/07/24 16:08	LL
2-Butanone (MEK)	ND		ug/kg dry	11.9	11.9	1	05/07/24	05/07/24 16:08	LL
n-Butylbenzene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
sec-Butylbenzene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
tert-Butylbenzene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Carbon disulfide	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Carbon tetrachloride	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Chlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Chloroethane	ND		ug/kg dry	6.0	6.0	1	05/07/24	05/07/24 16:08	LL
Chloroform	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Chloromethane	ND		ug/kg dry	6.0	6.0	1	05/07/24	05/07/24 16:08	LL
2-Chlorotoluene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
4-Chlorotoluene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Dibromochloromethane	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
1,2-Dibromoethane (EDB)	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Dibromomethane	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
1,2-Dichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
1,3-Dichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
1,4-Dichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Dichlorodifluoromethane	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
1,1-Dichloroethane	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
1,2-Dichloroethane	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
1,1-Dichloroethene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL

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410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-05

4050228-08 (Soil)
Sampled on: 05/02/24 11:00

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
trans-1,2-Dichloroethene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Dichlorofluoromethane	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
1,2-Dichloropropane	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
1,3-Dichloropropane	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
2,2-Dichloropropane	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
1,1-Dichloropropene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
cis-1,3-Dichloropropene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
trans-1,3-Dichloropropene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Diisopropyl ether (DIPE)	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Ethylbenzene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Hexachlorobutadiene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
2-Hexanone	ND		ug/kg dry	11.9	11.9	1	05/07/24	05/07/24 16:08	LL
Isopropylbenzene (Cumene)	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
4-Isopropyltoluene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
4-Methyl-2-pentanone	ND		ug/kg dry	11.9	11.9	1	05/07/24	05/07/24 16:08	LL
Methylene chloride	**33.6**	L	ug/kg dry	23.9	23.9	1	05/07/24	05/07/24 16:08	LL
Naphthalene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
n-Propylbenzene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Styrene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Tetrachloroethene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Toluene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
1,2,3-Trichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
1,2,4-Trichlorobenzene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
1,1,1-Trichloroethane	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
1,1,2-Trichloroethane	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Trichloroethene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
1,2,3-Trichloropropane	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL

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www.mdspectral.com

Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-05

4050228-08 (Soil)
Sampled on: 05/02/24 11:00

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
1,3,5-Trimethylbenzene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Vinyl chloride	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
o-Xylene	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
m- & p-Xylenes	ND		ug/kg dry	6.0	2.4	1	05/07/24	05/07/24 16:08	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*98 %*		*05/07/24*		*05/07/24 16:08*	
Surrogate: Toluene-d8			*75-120*	*100 %*		*05/07/24*		*05/07/24 16:08*	
Surrogate: 4-Bromofluorobenzene			*65-120*	*96 %*		*05/07/24*		*05/07/24 16:08*	
GASOLINE RANGE ORGANICS BY EPA 5030/8015C Prepared by 5030-GC									
Gasoline-Range Organics	ND		mg/kg dry	0.12	0.12	1	05/08/24	05/08/24 14:14	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*101 %*		*05/08/24*		*05/08/24 14:14*	
DIESEL RANGE ORGANICS BY EPA 3540/8015C Prepared by 3540-GC(Soxhlet)									
Diesel-Range Organics (C10-C28)	ND		mg/kg dry	9.5	9.5	1	05/03/24	05/06/24 16:12	TS
Surrogate: o-Terphenyl			*70-130*	*85 %*		*05/03/24*		*05/06/24 16:12*	
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**84**		%			1	05/02/24	05/03/24 08:25	RS

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-06

4050228-09 (Soil)
Sampled on: 05/02/24 10:45

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS									
Acetone	ND		ug/kg dry	12.4	12.4	1	05/07/24	05/07/24 16:36	LL
tert-Amyl alcohol (TAA)	ND		ug/kg dry	62.0	62.0	1	05/07/24	05/07/24 16:36	LL
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Benzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Bromobenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Bromochloromethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Bromodichloromethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Bromoform	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Bromomethane	ND		ug/kg dry	6.2	6.2	1	05/07/24	05/07/24 16:36	LL
tert-Butanol (TBA)	ND		ug/kg dry	62.0	62.0	1	05/07/24	05/07/24 16:36	LL
2-Butanone (MEK)	ND		ug/kg dry	12.4	12.4	1	05/07/24	05/07/24 16:36	LL
n-Butylbenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
sec-Butylbenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
tert-Butylbenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Carbon disulfide	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Carbon tetrachloride	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Chlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Chloroethane	ND		ug/kg dry	6.2	6.2	1	05/07/24	05/07/24 16:36	LL
Chloroform	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Chloromethane	ND		ug/kg dry	6.2	6.2	1	05/07/24	05/07/24 16:36	LL
2-Chlorotoluene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
4-Chlorotoluene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Dibromochloromethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
1,2-Dibromoethane (EDB)	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Dibromomethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
1,2-Dichlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
1,3-Dichlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
1,4-Dichlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Dichlorodifluoromethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
1,1-Dichloroethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
1,2-Dichloroethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
1,1-Dichloroethene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL

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Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-06

4050228-09 (Soil)
Sampled on: 05/02/24 10:45

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
trans-1,2-Dichloroethene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Dichlorofluoromethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
1,2-Dichloropropane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
1,3-Dichloropropane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
2,2-Dichloropropane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
1,1-Dichloropropene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
cis-1,3-Dichloropropene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
trans-1,3-Dichloropropene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Diisopropyl ether (DIPE)	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Ethylbenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Hexachlorobutadiene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
2-Hexanone	ND		ug/kg dry	12.4	12.4	1	05/07/24	05/07/24 16:36	LL
Isopropylbenzene (Cumene)	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
4-Isopropyltoluene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
4-Methyl-2-pentanone	ND		ug/kg dry	12.4	12.4	1	05/07/24	05/07/24 16:36	LL
Methylene chloride	**33.1**	L	ug/kg dry	24.8	24.8	1	05/07/24	05/07/24 16:36	LL
Naphthalene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
n-Propylbenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Styrene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Tetrachloroethene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Toluene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
1,2,3-Trichlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
1,2,4-Trichlorobenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
1,1,1-Trichloroethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
1,1,2-Trichloroethane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Trichloroethene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
1,2,3-Trichloropropane	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-06

4050228-09 (Soil)
Sampled on: 05/02/24 10:45

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
1,3,5-Trimethylbenzene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Vinyl chloride	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
o-Xylene	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
m- & p-Xylenes	ND		ug/kg dry	6.2	2.5	1	05/07/24	05/07/24 16:36	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*98 %*	*05/07/24*		*05/07/24 16:36*		
Surrogate: Toluene-d8			*75-120*	*99 %*	*05/07/24*		*05/07/24 16:36*		
Surrogate: 4-Bromofluorobenzene			*65-120*	*101 %*	*05/07/24*		*05/07/24 16:36*		
GASOLINE RANGE ORGANICS BY EPA 5030/8015C Prepared by 5030-GC									
Gasoline-Range Organics	ND		mg/kg dry	0.12	0.12	1	05/08/24	05/08/24 14:42	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*102 %*	*05/08/24*		*05/08/24 14:42*		
DIESEL RANGE ORGANICS BY EPA 3540/8015C Prepared by 3540-GC(Soxhlet)									
Diesel-Range Organics (C10-C28)	ND		mg/kg dry	9.9	9.9	1	05/03/24	05/06/24 16:41	TS
Surrogate: o-Terphenyl			*70-130*	*101 %*	*05/03/24*		*05/06/24 16:41*		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**81**		%			1	05/02/24	05/03/24 08:25	RS

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www.mdspectral.com

Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-08

4050228-10 (Soil)
Sampled on: 05/02/24 11:15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS									
Acetone	ND		ug/kg dry	12.3	12.3	1	05/07/24	05/07/24 17:03	LL
tert-Amyl alcohol (TAA)	ND		ug/kg dry	61.3	61.3	1	05/07/24	05/07/24 17:03	LL
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Benzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Bromobenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Bromochloromethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Bromodichloromethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Bromoform	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Bromomethane	ND		ug/kg dry	6.1	6.1	1	05/07/24	05/07/24 17:03	LL
tert-Butanol (TBA)	ND		ug/kg dry	61.3	61.3	1	05/07/24	05/07/24 17:03	LL
2-Butanone (MEK)	ND		ug/kg dry	12.3	12.3	1	05/07/24	05/07/24 17:03	LL
n-Butylbenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
sec-Butylbenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
tert-Butylbenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Carbon disulfide	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Carbon tetrachloride	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Chlorobenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Chloroethane	ND		ug/kg dry	6.1	6.1	1	05/07/24	05/07/24 17:03	LL
Chloroform	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Chloromethane	ND		ug/kg dry	6.1	6.1	1	05/07/24	05/07/24 17:03	LL
2-Chlorotoluene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
4-Chlorotoluene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Dibromochloromethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
1,2-Dibromoethane (EDB)	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Dibromomethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
1,2-Dichlorobenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
1,3-Dichlorobenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
1,4-Dichlorobenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Dichlorodifluoromethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
1,1-Dichloroethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
1,2-Dichloroethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
1,1-Dichloroethene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL

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Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-08

4050228-10 (Soil)
Sampled on: 05/02/24 11:15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
trans-1,2-Dichloroethene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Dichlorofluoromethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
1,2-Dichloropropane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
1,3-Dichloropropane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
2,2-Dichloropropane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
1,1-Dichloropropene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
cis-1,3-Dichloropropene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
trans-1,3-Dichloropropene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Diisopropyl ether (DIPE)	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Ethylbenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Hexachlorobutadiene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
2-Hexanone	ND		ug/kg dry	12.3	12.3	1	05/07/24	05/07/24 17:03	LL
Isopropylbenzene (Cumene)	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
4-Isopropyltoluene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
4-Methyl-2-pentanone	ND		ug/kg dry	12.3	12.3	1	05/07/24	05/07/24 17:03	LL
Methylene chloride	**35.3**	L	ug/kg dry	24.5	24.5	1	05/07/24	05/07/24 17:03	LL
Naphthalene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
n-Propylbenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Styrene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Tetrachloroethene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Toluene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
1,2,3-Trichlorobenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
1,2,4-Trichlorobenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
1,1,1-Trichloroethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
1,1,2-Trichloroethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Trichloroethene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
1,2,3-Trichloropropane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL

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Baltimore MD 21227
410-247-7600
www.mdspectral.com

Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-08

4050228-10 (Soil)
Sampled on: 05/02/24 11:15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
1,3,5-Trimethylbenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Vinyl chloride	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
o-Xylene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
m- & p-Xylenes	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:03	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*96 %*		*05/07/24*		*05/07/24 17:03*	
Surrogate: Toluene-d8			*75-120*	*97 %*		*05/07/24*		*05/07/24 17:03*	
Surrogate: 4-Bromofluorobenzene			*65-120*	*99 %*		*05/07/24*		*05/07/24 17:03*	
GASOLINE RANGE ORGANICS BY EPA 5030/8015C Prepared by 5030-GC									
Gasoline-Range Organics	ND		mg/kg dry	0.12	0.12	1	05/08/24	05/08/24 15:10	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*103 %*		*05/08/24*		*05/08/24 15:10*	
DIESEL RANGE ORGANICS BY EPA 3540/8015C Prepared by 3540-GC(Soxhlet)									
Diesel-Range Organics (C10-C28)	ND		mg/kg dry	9.8	9.8	1	05/03/24	05/06/24 17:10	TS
Surrogate: o-Terphenyl			*70-130*	*95 %*		*05/03/24*		*05/06/24 17:10*	
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**82**		%			1	05/02/24	05/03/24 08:25	RS

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-09

4050228-11 (Soil)
Sampled on: 05/02/24 11:45

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS									
Acetone	ND		ug/kg dry	12.3	12.3	1	05/07/24	05/07/24 17:31	LL
tert-Amyl alcohol (TAA)	ND		ug/kg dry	61.5	61.5	1	05/07/24	05/07/24 17:31	LL
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Benzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Bromobenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Bromochloromethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Bromodichloromethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Bromoform	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Bromomethane	ND		ug/kg dry	6.1	6.1	1	05/07/24	05/07/24 17:31	LL
tert-Butanol (TBA)	ND		ug/kg dry	61.5	61.5	1	05/07/24	05/07/24 17:31	LL
2-Butanone (MEK)	ND		ug/kg dry	12.3	12.3	1	05/07/24	05/07/24 17:31	LL
n-Butylbenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
sec-Butylbenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
tert-Butylbenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Carbon disulfide	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Carbon tetrachloride	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Chlorobenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Chloroethane	ND		ug/kg dry	6.1	6.1	1	05/07/24	05/07/24 17:31	LL
Chloroform	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Chloromethane	ND		ug/kg dry	6.1	6.1	1	05/07/24	05/07/24 17:31	LL
2-Chlorotoluene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
4-Chlorotoluene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Dibromochloromethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
1,2-Dibromoethane (EDB)	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Dibromomethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
1,2-Dichlorobenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
1,3-Dichlorobenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
1,4-Dichlorobenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Dichlorodifluoromethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
1,1-Dichloroethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
1,2-Dichloroethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
1,1-Dichloroethene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-09

4050228-11 (Soil)
Sampled on: 05/02/24 11:45

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
trans-1,2-Dichloroethene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Dichlorofluoromethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
1,2-Dichloropropane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
1,3-Dichloropropane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
2,2-Dichloropropane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
1,1-Dichloropropene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
cis-1,3-Dichloropropene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
trans-1,3-Dichloropropene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Diisopropyl ether (DIPE)	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Ethylbenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Hexachlorobutadiene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
2-Hexanone	ND		ug/kg dry	12.3	12.3	1	05/07/24	05/07/24 17:31	LL
Isopropylbenzene (Cumene)	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
4-Isopropyltoluene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
4-Methyl-2-pentanone	ND		ug/kg dry	12.3	12.3	1	05/07/24	05/07/24 17:31	LL
Methylene chloride	**34.6**	L	ug/kg dry	24.6	24.6	1	05/07/24	05/07/24 17:31	LL
Naphthalene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
n-Propylbenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Styrene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Tetrachloroethene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Toluene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
1,2,3-Trichlorobenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
1,2,4-Trichlorobenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
1,1,1-Trichloroethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
1,1,2-Trichloroethane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Trichloroethene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
1,2,3-Trichloropropane	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-09

4050228-11 (Soil)
Sampled on: 05/02/24 11:45

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
1,3,5-Trimethylbenzene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Vinyl chloride	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
o-Xylene	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
m- & p-Xylenes	ND		ug/kg dry	6.1	2.5	1	05/07/24	05/07/24 17:31	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*94 %*	*05/07/24*		*05/07/24 17:31*		
Surrogate: Toluene-d8			*75-120*	*98 %*	*05/07/24*		*05/07/24 17:31*		
Surrogate: 4-Bromofluorobenzene			*65-120*	*99 %*	*05/07/24*		*05/07/24 17:31*		
GASOLINE RANGE ORGANICS BY EPA 5030/8015C Prepared by 5030-GC									
Gasoline-Range Organics	ND		mg/kg dry	0.12	0.12	1	05/08/24	05/08/24 15:37	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*103 %*	*05/08/24*		*05/08/24 15:37*		
DIESEL RANGE ORGANICS BY EPA 3540/8015C Prepared by 3540-GC(Soxhlet)									
Diesel-Range Organics (C10-C28)	ND		mg/kg dry	9.8	9.8	1	05/03/24	05/06/24 17:40	TS
Surrogate: o-Terphenyl			*70-130*	*94 %*	*05/03/24*		*05/06/24 17:40*		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**81**		%			1	05/02/24	05/03/24 08:25	RS

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Baltimore MD 21227
410-247-7600
www.mdspectral.com

Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-10

4050228-12 (Soil)
Sampled on: 05/02/24 11:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS									
Acetone	ND		ug/kg dry	10.9	10.9	1	05/07/24	05/07/24 17:58	LL
tert-Amyl alcohol (TAA)	ND		ug/kg dry	54.5	54.5	1	05/07/24	05/07/24 17:58	LL
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Benzene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Bromobenzene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Bromochloromethane	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Bromodichloromethane	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Bromoform	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Bromomethane	ND		ug/kg dry	5.5	5.5	1	05/07/24	05/07/24 17:58	LL
tert-Butanol (TBA)	ND		ug/kg dry	54.5	54.5	1	05/07/24	05/07/24 17:58	LL
2-Butanone (MEK)	ND		ug/kg dry	10.9	10.9	1	05/07/24	05/07/24 17:58	LL
n-Butylbenzene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
sec-Butylbenzene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
tert-Butylbenzene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Carbon disulfide	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Carbon tetrachloride	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Chlorobenzene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Chloroethane	ND		ug/kg dry	5.5	5.5	1	05/07/24	05/07/24 17:58	LL
Chloroform	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Chloromethane	ND		ug/kg dry	5.5	5.5	1	05/07/24	05/07/24 17:58	LL
2-Chlorotoluene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
4-Chlorotoluene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Dibromochloromethane	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
1,2-Dibromoethane (EDB)	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Dibromomethane	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
1,2-Dichlorobenzene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
1,3-Dichlorobenzene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
1,4-Dichlorobenzene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Dichlorodifluoromethane	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
1,1-Dichloroethane	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
1,2-Dichloroethane	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
1,1-Dichloroethene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-10

4050228-12 (Soil)
Sampled on: 05/02/24 11:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
trans-1,2-Dichloroethene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Dichlorofluoromethane	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
1,2-Dichloropropane	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
1,3-Dichloropropane	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
2,2-Dichloropropane	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
1,1-Dichloropropene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
cis-1,3-Dichloropropene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
trans-1,3-Dichloropropene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Diisopropyl ether (DIPE)	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Ethylbenzene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Hexachlorobutadiene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
2-Hexanone	ND		ug/kg dry	10.9	10.9	1	05/07/24	05/07/24 17:58	LL
Isopropylbenzene (Cumene)	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
4-Isopropyltoluene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
4-Methyl-2-pentanone	ND		ug/kg dry	10.9	10.9	1	05/07/24	05/07/24 17:58	LL
Methylene chloride	**26.0**	L	ug/kg dry	21.8	21.8	1	05/07/24	05/07/24 17:58	LL
Naphthalene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
n-Propylbenzene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Styrene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Tetrachloroethene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Toluene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
1,2,3-Trichlorobenzene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
1,2,4-Trichlorobenzene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
1,1,1-Trichloroethane	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
1,1,2-Trichloroethane	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Trichloroethene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
1,2,3-Trichloropropane	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

1-10

4050228-12 (Soil)
Sampled on: 05/02/24 11:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
1,3,5-Trimethylbenzene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Vinyl chloride	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
o-Xylene	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
m- & p-Xylenes	ND		ug/kg dry	5.5	2.2	1	05/07/24	05/07/24 17:58	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*96 %*			*05/07/24*	*05/07/24 17:58*	
Surrogate: Toluene-d8			*75-120*	*99 %*			*05/07/24*	*05/07/24 17:58*	
Surrogate: 4-Bromofluorobenzene			*65-120*	*99 %*			*05/07/24*	*05/07/24 17:58*	
GASOLINE RANGE ORGANICS BY EPA 5030/8015C Prepared by 5030-GC									
Gasoline-Range Organics	ND		mg/kg dry	0.11	0.11	1	05/08/24	05/08/24 16:05	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*103 %*			*05/08/24*	*05/08/24 16:05*	
DIESEL RANGE ORGANICS BY EPA 3540/8015C Prepared by 3540-GC(Soxhlet)									
Diesel-Range Organics (C10-C28)	ND		mg/kg dry	8.7	8.7	1	05/03/24	05/06/24 18:09	TS
Surrogate: o-Terphenyl			*70-130*	*109 %*			*05/03/24*	*05/06/24 18:09*	
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**92**		%			1	05/02/24	05/03/24 08:25	RS

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

GW1-01

4050228-13 (Nonpotable Water)
Sampled on: 05/02/24 12:10

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	**114**		ug/L	10.0	10.0	1	05/06/24	05/06/24 19:18	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	05/06/24	05/06/24 19:18	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Benzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Bromoform	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Bromomethane	ND		ug/L	5.0	5.0	1	05/06/24	05/06/24 19:18	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	05/06/24	05/06/24 19:18	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	05/06/24	05/06/24 19:18	LL
n-Butylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Carbon disulfide	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Chloroethane	ND		ug/L	5.0	3.0	1	05/06/24	05/06/24 19:18	LL
Chloroform	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Chloromethane	ND		ug/L	5.0	5.0	1	05/06/24	05/06/24 19:18	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

GW1-01

4050228-13 (Nonpotable Water)
Sampled on: 05/02/24 12:10

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Ethylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	05/06/24	05/06/24 19:18	LL
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	05/06/24	05/06/24 19:18	LL
Methylene chloride	ND		ug/L	10.0	5.0	1	05/06/24	05/06/24 19:18	LL
Naphthalene	ND		ug/L	2.0	2.0	1	05/06/24	05/06/24 19:18	LL
n-Propylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Styrene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Tetrachloroethene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Toluene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Trichloroethene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

GW1-01

4050228-13 (Nonpotable Water)
Sampled on: 05/02/24 12:10

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
o-Xylene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:18	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*93 %*	*05/06/24*		*05/06/24 19:18*		
Surrogate: Toluene-d8			*75-120*	*94 %*	*05/06/24*		*05/06/24 19:18*		
Surrogate: 4-Bromofluorobenzene			*75-120*	*95 %*	*05/06/24*		*05/06/24 19:18*		
GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES									
Gasoline-Range Organics	ND		ug/L	100	45.0	1	05/06/24	05/06/24 17:11	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*107 %*	*05/06/24*		*05/06/24 17:11*		
DIESEL RANGE ORGANICS BY EPA 3510/8015C Prepared by 3510-GC(Sep Funnel)									**MX-01**
Diesel-Range Organics (C10-C28)	ND		mg/L	0.23	0.23	1	05/06/24	05/07/24 21:34	TS
Surrogate: o-Terphenyl			*60-120*	*88 %*	*05/06/24*		*05/07/24 21:34*		

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

GW1-03

4050228-14 (Nonpotable Water)
Sampled on: 05/02/24 12:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	**17.3**		ug/L	10.0	10.0	1	05/06/24	05/06/24 19:43	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	05/06/24	05/06/24 19:43	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Benzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Bromoform	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Bromomethane	ND		ug/L	5.0	5.0	1	05/06/24	05/06/24 19:43	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	05/06/24	05/06/24 19:43	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	05/06/24	05/06/24 19:43	LL
n-Butylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Carbon disulfide	**1.3**	J	ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Chloroethane	ND		ug/L	5.0	3.0	1	05/06/24	05/06/24 19:43	LL
Chloroform	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Chloromethane	ND		ug/L	5.0	5.0	1	05/06/24	05/06/24 19:43	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL

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Baltimore MD 21227
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www.mdspectral.com

Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

GW1-03

4050228-14 (Nonpotable Water)
Sampled on: 05/02/24 12:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Ethylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	05/06/24	05/06/24 19:43	LL
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	05/06/24	05/06/24 19:43	LL
Methylene chloride	ND		ug/L	10.0	5.0	1	05/06/24	05/06/24 19:43	LL
Naphthalene	ND		ug/L	2.0	2.0	1	05/06/24	05/06/24 19:43	LL
n-Propylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Styrene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Tetrachloroethene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Toluene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Trichloroethene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

GW1-03

4050228-14 (Nonpotable Water)
Sampled on: 05/02/24 12:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
o-Xylene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 19:43	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*93 %*	*05/06/24*		*05/06/24 19:43*		
Surrogate: Toluene-d8			*75-120*	*95 %*	*05/06/24*		*05/06/24 19:43*		
Surrogate: 4-Bromofluorobenzene			*75-120*	*93 %*	*05/06/24*		*05/06/24 19:43*		
GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES									
Gasoline-Range Organics	ND		ug/L	100	45.0	1	05/06/24	05/06/24 17:37	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*108 %*	*05/06/24*		*05/06/24 17:37*		
DIESEL RANGE ORGANICS BY EPA 3510/8015C Prepared by 3510-GC(Sep Funnel)									**MX-01**
Diesel-Range Organics (C10-C28)	ND		mg/L	0.27	0.27	1	05/06/24	05/07/24 22:01	TS
Surrogate: o-Terphenyl			*60-120*	*87 %*	*05/06/24*		*05/07/24 22:01*		

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

GW1-08

4050228-15 (Nonpotable Water)
Sampled on: 05/02/24 12:20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	**32.9**		ug/L	10.0	10.0	1	05/06/24	05/06/24 20:08	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	05/06/24	05/06/24 20:08	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Benzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Bromoform	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Bromomethane	ND		ug/L	5.0	5.0	1	05/06/24	05/06/24 20:08	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	05/06/24	05/06/24 20:08	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	05/06/24	05/06/24 20:08	LL
n-Butylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Carbon disulfide	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Chloroethane	ND		ug/L	5.0	3.0	1	05/06/24	05/06/24 20:08	LL
Chloroform	**4.3**		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Chloromethane	ND		ug/L	5.0	5.0	1	05/06/24	05/06/24 20:08	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

GW1-08

4050228-15 (Nonpotable Water)
Sampled on: 05/02/24 12:20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Ethylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	05/06/24	05/06/24 20:08	LL
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	05/06/24	05/06/24 20:08	LL
Methylene chloride	ND		ug/L	10.0	5.0	1	05/06/24	05/06/24 20:08	LL
Naphthalene	ND		ug/L	2.0	2.0	1	05/06/24	05/06/24 20:08	LL
n-Propylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Styrene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Tetrachloroethene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Toluene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Trichloroethene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

GW1-08

4050228-15 (Nonpotable Water)
Sampled on: 05/02/24 12:20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
o-Xylene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:08	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*97 %*	*05/06/24*		*05/06/24 20:08*		
Surrogate: Toluene-d8			*75-120*	*94 %*	*05/06/24*		*05/06/24 20:08*		
Surrogate: 4-Bromofluorobenzene			*75-120*	*95 %*	*05/06/24*		*05/06/24 20:08*		
GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES									
Gasoline-Range Organics	ND		ug/L	100	45.0	1	05/06/24	05/06/24 18:03	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*107 %*	*05/06/24*		*05/06/24 18:03*		
DIESEL RANGE ORGANICS BY EPA 3510/8015C Prepared by 3510-GC(Sep Funnel)									**MX-01**
Diesel-Range Organics (C10-C28)	ND		mg/L	0.24	0.24	1	05/06/24	05/07/24 22:28	TS
Surrogate: o-Terphenyl			*60-120*	*90 %*	*05/06/24*		*05/07/24 22:28*		

Rebecka Koons

Rabecka Koons, Quality Assurance Officer

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All analyses performed at Maryland Spectral Services included in the report are TNI certified except as indicated at the end of the report.

Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

GW1-09

4050228-16 (Nonpotable Water)
Sampled on: 05/02/24 12:00

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	05/06/24	05/06/24 20:33	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	05/06/24	05/06/24 20:33	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Benzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Bromoform	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Bromomethane	ND		ug/L	5.0	5.0	1	05/06/24	05/06/24 20:33	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	05/06/24	05/06/24 20:33	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	05/06/24	05/06/24 20:33	LL
n-Butylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Carbon disulfide	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Chloroethane	ND		ug/L	5.0	3.0	1	05/06/24	05/06/24 20:33	LL
Chloroform	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Chloromethane	ND		ug/L	5.0	5.0	1	05/06/24	05/06/24 20:33	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rabecka Koons, Quality Assurance Officer

All analyses performed at Maryland Spectral Services included in the report are TNI certified except as indicated at the end of the report.

Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

GW1-09

4050228-16 (Nonpotable Water)
Sampled on: 05/02/24 12:00

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Ethylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	05/06/24	05/06/24 20:33	LL
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	05/06/24	05/06/24 20:33	LL
Methylene chloride	ND		ug/L	10.0	5.0	1	05/06/24	05/06/24 20:33	LL
Naphthalene	ND		ug/L	2.0	2.0	1	05/06/24	05/06/24 20:33	LL
n-Propylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Styrene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Tetrachloroethene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Toluene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Trichloroethene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL

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Rabecka Koons, Quality Assurance Officer

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1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

GW1-09

4050228-16 (Nonpotable Water)
Sampled on: 05/02/24 12:00

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
o-Xylene	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	05/06/24	05/06/24 20:33	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*97 %*	*05/06/24*		*05/06/24 20:33*		
Surrogate: Toluene-d8			*75-120*	*94 %*	*05/06/24*		*05/06/24 20:33*		
Surrogate: 4-Bromofluorobenzene			*75-120*	*96 %*	*05/06/24*		*05/06/24 20:33*		
GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES									
Gasoline-Range Organics	ND		ug/L	100	45.0	1	05/06/24	05/06/24 18:28	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*107 %*	*05/06/24*		*05/06/24 18:28*		
DIESEL RANGE ORGANICS BY EPA 3510/8015C Prepared by 3510-GC(Sep Funnel)									**MX-01**
Diesel-Range Organics (C10-C28)	ND		mg/L	0.26	0.26	1	05/06/24	05/07/24 22:56	TS
Surrogate: o-Terphenyl			*60-120*	*90 %*	*05/06/24*		*05/07/24 22:56*		

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Rabecka Koons, Quality Assurance Officer

All analyses performed at Maryland Spectral Services included in the report are TNI certified except as indicated at the end of the report.

Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

Maryland Spectral Services does not maintain certification for the following analytical parameters:

Maryland Spectral Services

Matrix , Method , Analyte

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rabecka Koons, Quality Assurance Officer

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Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/09/24 13:59

Notes and Definitions

S-PCB	This QC sample was spiked for EPA 8081B only. EPA 8082A spike recovery was not evaluated.
S-01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QM-06	Due to non-homogeneity of the QC sample matrix, the MS/MSD or MS/DUP did not provide reliable results for accuracy and precision. Sample results for the QC batch were accepted based on LCS percent recoveries.
MX-01	Due to the presence of sediment in the sample, the container was not rinsed in accordance with EPA Method 3510 Section 7.4.
L	Analyte is a possible laboratory contaminant
J	Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
RE	Sample reanalyses are done at the laboratory's discretion as a mechanism to improve data quality. Any client requested reanalysis will be identified with a sample qualifier.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
%-Solids	Percent Solids is a supportive test and as such does not require accredidation

If this report contains any samples analyzed for gasoline range organics (GRO) by EPA Method 8015C and no trip blank was shipped, stored, and received with the sample(s) as required by Section 3.1 of the EPA Method, the sample analysis contained in this report cannot exclude the possibility that any reportable GRO measurement was due to environmental contamination of the sample during shipping or storage.

Rabecka Koons, Quality Assurance Officer

All analyses performed at Maryland Spectral Services included in the report are TNI certified except as indicated at the end of the report.

Company Name:	Project Manager:
ECS Baltimore	Nick Stella
Project Name: Saddle Creek	Project ID: 18315-A
Sampler(s): Nick Stella	P.O. Number:
State of Origin: MD	

CHAIN-OF-CUSTODY RECORD

Maryland Spectral Services, Inc.
1500 Caton Center Drive, Suite G
Baltimore, MD 21227
410-247-7600 * Fax 410-247-7602
reporting@mdspectral.com

Matrix Codes: NPW - non-potable water; DW - drinking water

Field Sample ID:	Date	Time	DW	NPW	Soil	Other	Grab	Composite	# of containers	PAHs - 8270	PCBs - 8082	PP Metals - 6020	Hex Chrom - 7199	TPH-DRO - 8015	TPH-GRO - 8015	VOCs - 8260	Preservative	Field Notes	MSS Lab ID
OU-1A	5/2/24	1330			X			X	2	X	X	X	X						4050228-01 A
OU-1B		1335			X			X		X	X	X	X						-02
OU-1C		1340			X			X		X	X	X	X						-03
OU-1D		1345			X			X		X	X	X	X						-04
1-01		0930			X		X		1					X	X	X			-05
1-03		1030			X		X							X	X	X			-06
1-04		1300			X		X							X	X	X			-07
1-05		1100			X		X							X	X	X			-08
1-06		1045			X		X							X	X	X			-09
1-08		1115			X		X							X	X	X			-10

Relinquished by: (Signature)	Date /Time	Relinquished by: (Signature)
(Printed) Nick Stella	5/2/24	(Printed)
Relinquished by: (Signature)	Date /Time	Received by lab: (Signature)
(Printed)	5-2-24 15:48	(Printed) Lori Foster

Special Instructions / QC Requirements & Comments: 1 of 2

Please indicate if any of the following certifications are required:
- ☐ Virginia VELAP
- ☐ Pennsylvania NELAP
- ☐ West Virginia DEP
- ☐ MD Drinking Water
- ☐ VA Drinking Water
- ☐ Other _____

Turn Around Time:
- ☐ Normal (7 day)
- ☑ 5 day
- ☐ 4 day
- ☐ 3 day
- ☐ Rush (2 day)
- ☐ Next Day
- ☐ Other: _____
- ☐ Specific Due Date: _____

Delivery Method:
- ☐ Courier
- ☒ Client
- ☐ UPS
- ☐ Fed Ex
- ☐ USPS
- ☐ Other _____

Lab Use:
Temp: 2.5 °C
- ☑ Received on Ice
- ☑ Received Same Day

T-41

Sample Disposal:
- ☐ Return to Client
- ☐ Disposal by lab
- ☐ Archive for ___ days

Company Name:	Project Manager:
ECS Baltimore	Nick Stella
Project Name: Saddle Creek	Project ID: 18315-A
Sampler(s): Nick Stella	P.O. Number:
State of Origin: MD	

CHAIN-OF-CUSTODY RECORD

Maryland Spectral Services, Inc.
1500 Caton Center Drive, Suite G
Baltimore, MD 21227
410-247-7600 * Fax 410-247-7602
reporting@mdspectral.com

Matrix Codes: NPW - non-potable water
DW - drinking water

Field Sample ID:	Date	Time	DW	NPW	Soil	Other	Grab	Composite	# of containers	Analysis Requested: TPH-DRO - 8015	TPH-GRO - 8015	VOCs - 8260	Preservative	Field Notes	MSS Lab ID
1-09	5/2/24	1145			X		X		1	X	X	X			4050228-11 A
1-10		1130			X		X		1	X	X	X			-12
GW1-01		1210		X			X		4	X	X	X			-13
GW1-03		1230		X			X			X	X	X			-14
GW1-08		1220		X			X			X	X	X			-15
GW1-09		1200		X			X			X	X	X			-16

Relinquished by: (Signature)	Date /Time	Relinquished by: (Signature)
(Printed) Nick Stella	5/2/24	(Printed)
Relinquished by: (Signature)	Date /Time	Received by lab: (Signature)
(Printed)	5-2-24 15:48	(Printed) Lori Foster

Special Instructions / QC Requirements & Comments: 2 of 2

Please indicate if any of the following certifications are required:
- ☐ Virginia VELAP
- ☐ Pennsylvania NELAP
- ☐ West Virginia DEP
- ☐ MD Drinking Water
- ☐ VA Drinking Water
- ☐ Other _____

Turn Around Time:
- ☐ Normal (7 day)
- ☑ 5 day
- ☐ 4 day
- ☐ 3 day
- ☐ Rush (2 day)
- ☐ Next Day
- ☐ Other: _____
- ☐ Specific Due Date: _____

Delivery Method:
- ☐ Courier
- ☒ Client
- ☐ UPS
- ☐ Fed Ex
- ☐ USPS
- ☐ Other _____

Lab Use:
Temp: 2.5 °C
- ☑ Received on Ice
- ☑ Received Same Day

T-41

Sample Disposal:
- ☐ Return to Client
- ☐ Disposal by lab
- ☐ Archive for ___ days

Maryland spectral Services

Analytical Chemistry Services

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com
VELAP ID 460040

08 May 2024

Nick Stella
ECS-Baltimore
1340 Charwood Rd, Suite A
Baltimore, MD 21076
RE: Saddle Creek

Enclosed are the results of analyses for samples received by the laboratory on 05/02/24 15:48.

Maryland Spectral Services, Inc. is a TNI 2016 Standard accredited laboratory and as such, all analyses performed at Maryland Spectral Services included in this report are 2016 TNI certified except as indicated at the end of this report. Please visit our website at www.mdspectral.com for a complete listing of our TNI 2016 Standard accreditations.

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

Sincerely,

Rabecka Koons
Quality Assurance Officer

Maryland spectral Services

Analytical Chemistry Services

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 10:01

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV2-01		4050231-01	Vapor	05/02/24 12:28	05/02/24 15:48
SV2-05		4050231-02	Vapor	05/02/24 12:31	05/02/24 15:48
SV1-01		4050231-04	Vapor	05/02/24 12:44	05/02/24 15:48
SV1-06		4050231-05	Vapor	05/02/24 12:47	05/02/24 15:48
SV1-10		4050231-06	Vapor	05/02/24 12:51	05/02/24 15:48

Narrative

Results for the following sample(s) are not included in this data package:

MSS ID	Client ID	Matrix
4050231-03	SV2-09	Vapor

The sample listed above was received with no sample collection. Upon inspection the canister was in working order. The flow controller was inspected and found to be within acceptable limits for sample collection. This may indicate an issue with the field sample collection procedure.

Rabecka Koons, Quality Assurance Officer

All analyses performed at Maryland Spectral Services included in the report are TNI certified except as indicated at the end of the report.

Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 10:01

SV2-01

4050231-01 (Vapor)
Collected from 05/02/24 08:42 thru 05/02/24 12:28

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA TO-15 (GC/MS) Prepared by TO-15 Prep									
Acetone	**12.3**		ug/m³	9.60	9.60	4	05/03/24	05/03/24 15:04	WB
Benzene	**11.0**		ug/m³	2.56	0.64	4	05/03/24	05/03/24 15:04	WB
Benzyl chloride	ND		ug/m³	4.00	1.00	4	05/03/24	05/03/24 15:04	WB
Bromodichloromethane	ND		ug/m³	5.20	1.30	4	05/03/24	05/03/24 15:04	WB
Bromoform	ND		ug/m³	8.40	2.10	4	05/03/24	05/03/24 15:04	WB
Bromomethane	ND		ug/m³	3.12	0.78	4	05/03/24	05/03/24 15:04	WB
1,3-Butadiene	**4.25**		ug/m³	1.76	1.76	4	05/03/24	05/03/24 15:04	WB
Carbon disulfide	ND		ug/m³	6.24	6.24	4	05/03/24	05/03/24 15:04	WB
Carbon tetrachloride	ND		ug/m³	5.20	1.30	4	05/03/24	05/03/24 15:04	WB
Chlorobenzene	ND		ug/m³	3.68	0.92	4	05/03/24	05/03/24 15:04	WB
Chloroethane	ND		ug/m³	2.12	1.06	4	05/03/24	05/03/24 15:04	WB
Chloroform	**5.86**		ug/m³	3.88	0.97	4	05/03/24	05/03/24 15:04	WB
Chloromethane	ND		ug/m³	1.64	0.41	4	05/03/24	05/03/24 15:04	WB
3-Chloropropene	ND		ug/m³	2.52	0.63	4	05/03/24	05/03/24 15:04	WB
Cyclohexane	ND		ug/m³	2.76	0.69	4	05/03/24	05/03/24 15:04	WB
Dibromochloromethane	ND		ug/m³	5.20	1.30	4	05/03/24	05/03/24 15:04	WB
1,2-Dibromoethane (EDB)	ND		ug/m³	5.60	1.40	4	05/03/24	05/03/24 15:04	WB
1,2-Dichlorobenzene	ND		ug/m³	4.80	1.20	4	05/03/24	05/03/24 15:04	WB
1,3-Dichlorobenzene	ND		ug/m³	4.80	1.20	4	05/03/24	05/03/24 15:04	WB
1,4-Dichlorobenzene	**33.4**		ug/m³	4.80	1.20	4	05/03/24	05/03/24 15:04	WB
Dichlorodifluoromethane	ND		ug/m³	3.96	3.96	4	05/03/24	05/03/24 15:04	WB
1,1-Dichloroethane	ND		ug/m³	3.24	0.81	4	05/03/24	05/03/24 15:04	WB
1,2-Dichloroethane	ND		ug/m³	3.24	0.81	4	05/03/24	05/03/24 15:04	WB
1,1-Dichloroethene	ND		ug/m³	3.16	0.79	4	05/03/24	05/03/24 15:04	WB
cis-1,2-Dichloroethene	ND		ug/m³	3.16	0.79	4	05/03/24	05/03/24 15:04	WB
trans-1,2-Dichloroethene	ND		ug/m³	3.16	0.79	4	05/03/24	05/03/24 15:04	WB
1,2-Dichloropropane	ND		ug/m³	3.68	0.92	4	05/03/24	05/03/24 15:04	WB
cis-1,3-Dichloropropene	ND		ug/m³	3.64	0.91	4	05/03/24	05/03/24 15:04	WB
trans-1,3-Dichloropropene	ND		ug/m³	3.64	0.91	4	05/03/24	05/03/24 15:04	WB
1,4-Dioxane	ND		ug/m³	2.88	0.72	4	05/03/24	05/03/24 15:04	WB
Ethyl acetate	ND		ug/m³	14.4	14.4	4	05/03/24	05/03/24 15:04	WB
Ethylbenzene	**1.56**	J	ug/m³	3.48	0.87	4	05/03/24	05/03/24 15:04	WB
4-Ethyltoluene	ND		ug/m³	3.92	0.98	4	05/03/24	05/03/24 15:04	WB
Freon 113	ND		ug/m³	6.00	1.50	4	05/03/24	05/03/24 15:04	WB

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Rabecka Koons, Quality Assurance Officer

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1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 10:01

SV2-01

4050231-01 (Vapor)
Collected from 05/02/24 08:42 thru 05/02/24 12:28

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA TO-15 (GC/MS) Prepared by TO-15 Prep (continued)									
Freon 114	ND		ug/m³	5.60	5.60	4	05/03/24	05/03/24 15:04	WB
n-Heptane	**6.89**		ug/m³	3.28	0.82	4	05/03/24	05/03/24 15:04	WB
Hexachlorobutadiene	ND		ug/m³	8.40	8.40	4	05/03/24	05/03/24 15:04	WB
Hexane	ND		ug/m³	56.0	56.0	4	05/03/24	05/03/24 15:04	WB
2-Hexanone	ND		ug/m³	3.28	0.59	4	05/03/24	05/03/24 15:04	WB
Isopropylbenzene (Cumene)	ND		ug/m³	4.40	1.60	4	05/03/24	05/03/24 15:04	WB
Methyl tert-butyl ether (MTBE)	ND		ug/m³	2.88	0.82	4	05/03/24	05/03/24 15:04	WB
Methylene chloride	ND		ug/m³	72.0	72.0	4	05/03/24	05/03/24 15:04	WB
Methyl ethyl ketone (2-Butanone)	ND		ug/m³	2.36	1.36	4	05/03/24	05/03/24 15:04	WB
Methyl isobutyl ketone	ND		ug/m³	3.28	3.28	4	05/03/24	05/03/24 15:04	WB
Naphthalene	ND		ug/m³	4.40	2.80	4	05/03/24	05/03/24 15:04	WB
Propene	**22.7**		ug/m³	1.36	1.36	4	05/03/24	05/03/24 15:04	WB
n-Propylbenzene	ND		ug/m³	3.92	1.60	4	05/03/24	05/03/24 15:04	WB
Styrene	**1.02**	J	ug/m³	3.40	0.59	4	05/03/24	05/03/24 15:04	WB
1,1,2,2-Tetrachloroethane	ND		ug/m³	5.60	1.40	4	05/03/24	05/03/24 15:04	WB
Tetrachloroethene	ND		ug/m³	5.60	2.80	4	05/03/24	05/03/24 15:04	WB
Tetrahydrofuran	ND		ug/m³	2.36	0.59	4	05/03/24	05/03/24 15:04	WB
Toluene	**21.6**		ug/m³	3.00	1.40	4	05/03/24	05/03/24 15:04	WB
1,2,4-Trichlorobenzene	ND		ug/m³	6.00	1.50	4	05/03/24	05/03/24 15:04	WB
1,1,1-Trichloroethane	ND		ug/m³	4.40	1.10	4	05/03/24	05/03/24 15:04	WB
1,1,2-Trichloroethane	ND		ug/m³	4.40	1.10	4	05/03/24	05/03/24 15:04	WB
Trichloroethene	ND		ug/m³	4.40	1.10	4	05/03/24	05/03/24 15:04	WB
Trichlorofluoromethane (Freon 11)	**1.35**	J	ug/m³	4.40	1.10	4	05/03/24	05/03/24 15:04	WB
1,2,4-Trimethylbenzene	ND		ug/m³	3.92	0.98	4	05/03/24	05/03/24 15:04	WB
1,3,5-Trimethylbenzene	ND		ug/m³	3.92	0.98	4	05/03/24	05/03/24 15:04	WB
2,2,4-Trimethylpentane	**2.06**	J	ug/m³	3.72	0.93	4	05/03/24	05/03/24 15:04	WB
Vinyl acetate	ND		ug/m³	2.80	2.80	4	05/03/24	05/03/24 15:04	WB
Vinyl bromide	ND		ug/m³	3.48	0.87	4	05/03/24	05/03/24 15:04	WB
Vinyl chloride	**0.51**	J	ug/m³	2.04	0.51	4	05/03/24	05/03/24 15:04	WB
o-Xylene	**1.22**	J	ug/m³	3.48	0.87	4	05/03/24	05/03/24 15:04	WB
m- & p-Xylenes	**3.13**	J	ug/m³	6.80	1.70	4	05/03/24	05/03/24 15:04	WB
Surrogate: 4-Bromofluorobenzene			*73-115*	*93 %*			*05/03/24*	*05/03/24 15:04*	

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 10:01

SV2-05

4050231-02 (Vapor)
Collected from 05/02/24 08:46 thru 05/02/24 12:31

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA TO-15 (GC/MS) Prepared by TO-15 Prep									
Acetone	**15.8**		ug/m³	9.60	9.60	4	05/03/24	05/03/24 15:32	WB
Benzene	ND		ug/m³	2.56	0.64	4	05/03/24	05/03/24 15:32	WB
Benzyl chloride	ND		ug/m³	4.00	1.00	4	05/03/24	05/03/24 15:32	WB
Bromodichloromethane	ND		ug/m³	5.20	1.30	4	05/03/24	05/03/24 15:32	WB
Bromoform	ND		ug/m³	8.40	2.10	4	05/03/24	05/03/24 15:32	WB
Bromomethane	ND		ug/m³	3.12	0.78	4	05/03/24	05/03/24 15:32	WB
1,3-Butadiene	ND		ug/m³	1.76	1.76	4	05/03/24	05/03/24 15:32	WB
Carbon disulfide	ND		ug/m³	6.24	6.24	4	05/03/24	05/03/24 15:32	WB
Carbon tetrachloride	ND		ug/m³	5.20	1.30	4	05/03/24	05/03/24 15:32	WB
Chlorobenzene	ND		ug/m³	3.68	0.92	4	05/03/24	05/03/24 15:32	WB
Chloroethane	ND		ug/m³	2.12	1.06	4	05/03/24	05/03/24 15:32	WB
Chloroform	ND		ug/m³	3.88	0.97	4	05/03/24	05/03/24 15:32	WB
Chloromethane	**0.99**	J	ug/m³	1.64	0.41	4	05/03/24	05/03/24 15:32	WB
3-Chloropropene	ND		ug/m³	2.52	0.63	4	05/03/24	05/03/24 15:32	WB
Cyclohexane	ND		ug/m³	2.76	0.69	4	05/03/24	05/03/24 15:32	WB
Dibromochloromethane	ND		ug/m³	5.20	1.30	4	05/03/24	05/03/24 15:32	WB
1,2-Dibromoethane (EDB)	ND		ug/m³	5.60	1.40	4	05/03/24	05/03/24 15:32	WB
1,2-Dichlorobenzene	ND		ug/m³	4.80	1.20	4	05/03/24	05/03/24 15:32	WB
1,3-Dichlorobenzene	ND		ug/m³	4.80	1.20	4	05/03/24	05/03/24 15:32	WB
1,4-Dichlorobenzene	**50.7**		ug/m³	4.80	1.20	4	05/03/24	05/03/24 15:32	WB
Dichlorodifluoromethane	ND		ug/m³	3.96	3.96	4	05/03/24	05/03/24 15:32	WB
1,1-Dichloroethane	ND		ug/m³	3.24	0.81	4	05/03/24	05/03/24 15:32	WB
1,2-Dichloroethane	ND		ug/m³	3.24	0.81	4	05/03/24	05/03/24 15:32	WB
1,1-Dichloroethene	ND		ug/m³	3.16	0.79	4	05/03/24	05/03/24 15:32	WB
cis-1,2-Dichloroethene	ND		ug/m³	3.16	0.79	4	05/03/24	05/03/24 15:32	WB
trans-1,2-Dichloroethene	ND		ug/m³	3.16	0.79	4	05/03/24	05/03/24 15:32	WB
1,2-Dichloropropane	ND		ug/m³	3.68	0.92	4	05/03/24	05/03/24 15:32	WB
cis-1,3-Dichloropropene	ND		ug/m³	3.64	0.91	4	05/03/24	05/03/24 15:32	WB
trans-1,3-Dichloropropene	ND		ug/m³	3.64	0.91	4	05/03/24	05/03/24 15:32	WB
1,4-Dioxane	ND		ug/m³	2.88	0.72	4	05/03/24	05/03/24 15:32	WB
Ethyl acetate	ND		ug/m³	14.4	14.4	4	05/03/24	05/03/24 15:32	WB
Ethylbenzene	ND		ug/m³	3.48	0.87	4	05/03/24	05/03/24 15:32	WB
4-Ethyltoluene	ND		ug/m³	3.92	0.98	4	05/03/24	05/03/24 15:32	WB

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 10:01

SV2-05

4050231-02 (Vapor)
Collected from 05/02/24 08:46 thru 05/02/24 12:31

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA TO-15 (GC/MS) Prepared by TO-15 Prep (continued)									
Freon 113	ND		ug/m³	6.00	1.50	4	05/03/24	05/03/24 15:32	WB
Freon 114	ND		ug/m³	5.60	5.60	4	05/03/24	05/03/24 15:32	WB
n-Heptane	**0.98**	J	ug/m³	3.28	0.82	4	05/03/24	05/03/24 15:32	WB
Hexachlorobutadiene	ND		ug/m³	8.40	8.40	4	05/03/24	05/03/24 15:32	WB
Hexane	ND		ug/m³	56.0	56.0	4	05/03/24	05/03/24 15:32	WB
2-Hexanone	ND		ug/m³	3.28	0.59	4	05/03/24	05/03/24 15:32	WB
Isopropylbenzene (Cumene)	ND		ug/m³	4.40	1.60	4	05/03/24	05/03/24 15:32	WB
Methyl tert-butyl ether (MTBE)	ND		ug/m³	2.88	0.82	4	05/03/24	05/03/24 15:32	WB
Methylene chloride	ND		ug/m³	72.0	72.0	4	05/03/24	05/03/24 15:32	WB
Methyl ethyl ketone (2-Butanone)	ND		ug/m³	2.36	1.36	4	05/03/24	05/03/24 15:32	WB
Methyl isobutyl ketone	ND		ug/m³	3.28	3.28	4	05/03/24	05/03/24 15:32	WB
Naphthalene	ND		ug/m³	4.40	2.80	4	05/03/24	05/03/24 15:32	WB
Propene	**9.29**		ug/m³	1.36	1.36	4	05/03/24	05/03/24 15:32	WB
n-Propylbenzene	ND		ug/m³	3.92	1.60	4	05/03/24	05/03/24 15:32	WB
Styrene	**1.70**	J	ug/m³	3.40	0.59	4	05/03/24	05/03/24 15:32	WB
1,1,2,2-Tetrachloroethane	ND		ug/m³	5.60	1.40	4	05/03/24	05/03/24 15:32	WB
Tetrachloroethene	ND		ug/m³	5.60	2.80	4	05/03/24	05/03/24 15:32	WB
Tetrahydrofuran	ND		ug/m³	2.36	0.59	4	05/03/24	05/03/24 15:32	WB
Toluene	**3.77**		ug/m³	3.00	1.40	4	05/03/24	05/03/24 15:32	WB
1,2,4-Trichlorobenzene	ND		ug/m³	6.00	1.50	4	05/03/24	05/03/24 15:32	WB
1,1,1-Trichloroethane	ND		ug/m³	4.40	1.10	4	05/03/24	05/03/24 15:32	WB
1,1,2-Trichloroethane	ND		ug/m³	4.40	1.10	4	05/03/24	05/03/24 15:32	WB
Trichloroethene	ND		ug/m³	4.40	1.10	4	05/03/24	05/03/24 15:32	WB
Trichlorofluoromethane (Freon 11)	**1.35**	J	ug/m³	4.40	1.10	4	05/03/24	05/03/24 15:32	WB
1,2,4-Trimethylbenzene	ND		ug/m³	3.92	0.98	4	05/03/24	05/03/24 15:32	WB
1,3,5-Trimethylbenzene	ND		ug/m³	3.92	0.98	4	05/03/24	05/03/24 15:32	WB
2,2,4-Trimethylpentane	ND		ug/m³	3.72	0.93	4	05/03/24	05/03/24 15:32	WB
Vinyl acetate	ND		ug/m³	2.80	2.80	4	05/03/24	05/03/24 15:32	WB
Vinyl bromide	ND		ug/m³	3.48	0.87	4	05/03/24	05/03/24 15:32	WB
Vinyl chloride	ND		ug/m³	2.04	0.51	4	05/03/24	05/03/24 15:32	WB
o-Xylene	ND		ug/m³	3.48	0.87	4	05/03/24	05/03/24 15:32	WB
m- & p-Xylenes	**1.91**	J	ug/m³	6.80	1.70	4	05/03/24	05/03/24 15:32	WB
Surrogate: 4-Bromofluorobenzene			*73-115*	*93 %*			*05/03/24*	*05/03/24 15:32*	

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Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 10:01

SV1-01

4050231-04 (Vapor)
Collected from 05/02/24 08:59 thru 05/02/24 12:44

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA TO-15 (GC/MS) Prepared by TO-15 Prep									
Acetone	**31.5**		ug/m³	9.60	9.60	4	05/03/24	05/03/24 16:00	WB
Benzene	**5.75**		ug/m³	2.56	0.64	4	05/03/24	05/03/24 16:00	WB
Benzyl chloride	ND		ug/m³	4.00	1.00	4	05/03/24	05/03/24 16:00	WB
Bromodichloromethane	ND		ug/m³	5.20	1.30	4	05/03/24	05/03/24 16:00	WB
Bromoform	ND		ug/m³	8.40	2.10	4	05/03/24	05/03/24 16:00	WB
Bromomethane	ND		ug/m³	3.12	0.78	4	05/03/24	05/03/24 16:00	WB
1,3-Butadiene	ND		ug/m³	1.76	1.76	4	05/03/24	05/03/24 16:00	WB
Carbon disulfide	**6.48**		ug/m³	6.24	6.24	4	05/03/24	05/03/24 16:00	WB
Carbon tetrachloride	ND		ug/m³	5.20	1.30	4	05/03/24	05/03/24 16:00	WB
Chlorobenzene	ND		ug/m³	3.68	0.92	4	05/03/24	05/03/24 16:00	WB
Chloroethane	ND		ug/m³	2.12	1.06	4	05/03/24	05/03/24 16:00	WB
Chloroform	**1.76**	J	ug/m³	3.88	0.97	4	05/03/24	05/03/24 16:00	WB
Chloromethane	**0.50**	J	ug/m³	1.64	0.41	4	05/03/24	05/03/24 16:00	WB
3-Chloropropene	ND		ug/m³	2.52	0.63	4	05/03/24	05/03/24 16:00	WB
Cyclohexane	**1.51**	J	ug/m³	2.76	0.69	4	05/03/24	05/03/24 16:00	WB
Dibromochloromethane	ND		ug/m³	5.20	1.30	4	05/03/24	05/03/24 16:00	WB
1,2-Dibromoethane (EDB)	ND		ug/m³	5.60	1.40	4	05/03/24	05/03/24 16:00	WB
1,2-Dichlorobenzene	ND		ug/m³	4.80	1.20	4	05/03/24	05/03/24 16:00	WB
1,3-Dichlorobenzene	ND		ug/m³	4.80	1.20	4	05/03/24	05/03/24 16:00	WB
1,4-Dichlorobenzene	ND		ug/m³	4.80	1.20	4	05/03/24	05/03/24 16:00	WB
Dichlorodifluoromethane	ND		ug/m³	3.96	3.96	4	05/03/24	05/03/24 16:00	WB
1,1-Dichloroethane	ND		ug/m³	3.24	0.81	4	05/03/24	05/03/24 16:00	WB
1,2-Dichloroethane	ND		ug/m³	3.24	0.81	4	05/03/24	05/03/24 16:00	WB
1,1-Dichloroethene	ND		ug/m³	3.16	0.79	4	05/03/24	05/03/24 16:00	WB
cis-1,2-Dichloroethene	ND		ug/m³	3.16	0.79	4	05/03/24	05/03/24 16:00	WB
trans-1,2-Dichloroethene	ND		ug/m³	3.16	0.79	4	05/03/24	05/03/24 16:00	WB
1,2-Dichloropropane	ND		ug/m³	3.68	0.92	4	05/03/24	05/03/24 16:00	WB
cis-1,3-Dichloropropene	ND		ug/m³	3.64	0.91	4	05/03/24	05/03/24 16:00	WB
trans-1,3-Dichloropropene	ND		ug/m³	3.64	0.91	4	05/03/24	05/03/24 16:00	WB
1,4-Dioxane	ND		ug/m³	2.88	0.72	4	05/03/24	05/03/24 16:00	WB
Ethyl acetate	ND		ug/m³	14.4	14.4	4	05/03/24	05/03/24 16:00	WB
Ethylbenzene	**2.43**	J	ug/m³	3.48	0.87	4	05/03/24	05/03/24 16:00	WB
4-Ethyltoluene	**1.57**	J	ug/m³	3.92	0.98	4	05/03/24	05/03/24 16:00	WB
Freon 113	ND		ug/m³	6.00	1.50	4	05/03/24	05/03/24 16:00	WB

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Baltimore MD 21227
410-247-7600
www.mdspectral.com

Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 10:01

SV1-01

4050231-04 (Vapor)
Collected from 05/02/24 08:59 thru 05/02/24 12:44

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA TO-15 (GC/MS) Prepared by TO-15 Prep (continued)									
Freon 114	ND		ug/m³	5.60	5.60	4	05/03/24	05/03/24 16:00	WB
n-Heptane	**14.9**		ug/m³	3.28	0.82	4	05/03/24	05/03/24 16:00	WB
Hexachlorobutadiene	ND		ug/m³	8.40	8.40	4	05/03/24	05/03/24 16:00	WB
Hexane	ND		ug/m³	56.0	56.0	4	05/03/24	05/03/24 16:00	WB
2-Hexanone	ND		ug/m³	3.28	0.59	4	05/03/24	05/03/24 16:00	WB
Isopropylbenzene (Cumene)	ND		ug/m³	4.40	1.60	4	05/03/24	05/03/24 16:00	WB
Methyl tert-butyl ether (MTBE)	**0.87**	J	ug/m³	2.88	0.82	4	05/03/24	05/03/24 16:00	WB
Methylene chloride	ND		ug/m³	72.0	72.0	4	05/03/24	05/03/24 16:00	WB
Methyl ethyl ketone (2-Butanone)	**7.08**		ug/m³	2.36	1.36	4	05/03/24	05/03/24 16:00	WB
Methyl isobutyl ketone	ND		ug/m³	3.28	3.28	4	05/03/24	05/03/24 16:00	WB
Naphthalene	ND		ug/m³	4.40	2.80	4	05/03/24	05/03/24 16:00	WB
Propene	**253**	E	ug/m³	1.36	1.36	4	05/03/24	05/03/24 16:00	WB
n-Propylbenzene	ND		ug/m³	3.92	1.60	4	05/03/24	05/03/24 16:00	WB
Styrene	**1.02**	J	ug/m³	3.40	0.59	4	05/03/24	05/03/24 16:00	WB
1,1,2,2-Tetrachloroethane	ND		ug/m³	5.60	1.40	4	05/03/24	05/03/24 16:00	WB
Tetrachloroethene	**8.95**		ug/m³	5.60	2.80	4	05/03/24	05/03/24 16:00	WB
Tetrahydrofuran	ND		ug/m³	2.36	0.59	4	05/03/24	05/03/24 16:00	WB
Toluene	**15.5**		ug/m³	3.00	1.40	4	05/03/24	05/03/24 16:00	WB
1,2,4-Trichlorobenzene	ND		ug/m³	6.00	1.50	4	05/03/24	05/03/24 16:00	WB
1,1,1-Trichloroethane	ND		ug/m³	4.40	1.10	4	05/03/24	05/03/24 16:00	WB
1,1,2-Trichloroethane	ND		ug/m³	4.40	1.10	4	05/03/24	05/03/24 16:00	WB
Trichloroethene	ND		ug/m³	4.40	1.10	4	05/03/24	05/03/24 16:00	WB
Trichlorofluoromethane (Freon 11)	**1.35**	J	ug/m³	4.40	1.10	4	05/03/24	05/03/24 16:00	WB
1,2,4-Trimethylbenzene	**1.18**	J	ug/m³	3.92	0.98	4	05/03/24	05/03/24 16:00	WB
1,3,5-Trimethylbenzene	ND		ug/m³	3.92	0.98	4	05/03/24	05/03/24 16:00	WB
2,2,4-Trimethylpentane	ND		ug/m³	3.72	0.93	4	05/03/24	05/03/24 16:00	WB
Vinyl acetate	ND		ug/m³	2.80	2.80	4	05/03/24	05/03/24 16:00	WB
Vinyl bromide	ND		ug/m³	3.48	0.87	4	05/03/24	05/03/24 16:00	WB
Vinyl chloride	ND		ug/m³	2.04	0.51	4	05/03/24	05/03/24 16:00	WB
o-Xylene	**1.74**	J	ug/m³	3.48	0.87	4	05/03/24	05/03/24 16:00	WB
m- & p-Xylenes	**4.69**	J	ug/m³	6.80	1.70	4	05/03/24	05/03/24 16:00	WB
Surrogate: 4-Bromofluorobenzene			*73-115*	*93 %*			*05/03/24*	*05/03/24 16:00*	

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www.mdspectral.com

Analytical Results

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 10:01

SV1-06

4050231-05 (Vapor)
Collected from 05/02/24 09:05 thru 05/02/24 12:47

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA TO-15 (GC/MS) Prepared by TO-15 Prep									
Acetone	ND		ug/m³	9.60	9.60	4	05/03/24	05/03/24 16:28	WB
Benzene	**53.7**		ug/m³	2.56	0.64	4	05/03/24	05/03/24 16:28	WB
Benzyl chloride	ND		ug/m³	4.00	1.00	4	05/03/24	05/03/24 16:28	WB
Bromodichloromethane	ND		ug/m³	5.20	1.30	4	05/03/24	05/03/24 16:28	WB
Bromoform	ND		ug/m³	8.40	2.10	4	05/03/24	05/03/24 16:28	WB
Bromomethane	ND		ug/m³	3.12	0.78	4	05/03/24	05/03/24 16:28	WB
1,3-Butadiene	ND		ug/m³	1.76	1.76	4	05/03/24	05/03/24 16:28	WB
Carbon disulfide	**24.4**		ug/m³	6.24	6.24	4	05/03/24	05/03/24 16:28	WB
Carbon tetrachloride	ND		ug/m³	5.20	1.30	4	05/03/24	05/03/24 16:28	WB
Chlorobenzene	ND		ug/m³	3.68	0.92	4	05/03/24	05/03/24 16:28	WB
Chloroethane	ND		ug/m³	2.12	1.06	4	05/03/24	05/03/24 16:28	WB
Chloroform	ND		ug/m³	3.88	0.97	4	05/03/24	05/03/24 16:28	WB
Chloromethane	ND		ug/m³	1.64	0.41	4	05/03/24	05/03/24 16:28	WB
3-Chloropropene	ND		ug/m³	2.52	0.63	4	05/03/24	05/03/24 16:28	WB
Cyclohexane	**26.7**		ug/m³	2.76	0.69	4	05/03/24	05/03/24 16:28	WB
Dibromochloromethane	ND		ug/m³	5.20	1.30	4	05/03/24	05/03/24 16:28	WB
1,2-Dibromoethane (EDB)	ND		ug/m³	5.60	1.40	4	05/03/24	05/03/24 16:28	WB
1,2-Dichlorobenzene	ND		ug/m³	4.80	1.20	4	05/03/24	05/03/24 16:28	WB
1,3-Dichlorobenzene	ND		ug/m³	4.80	1.20	4	05/03/24	05/03/24 16:28	WB
1,4-Dichlorobenzene	ND		ug/m³	4.80	1.20	4	05/03/24	05/03/24 16:28	WB
Dichlorodifluoromethane	ND		ug/m³	3.96	3.96	4	05/03/24	05/03/24 16:28	WB
1,1-Dichloroethane	ND		ug/m³	3.24	0.81	4	05/03/24	05/03/24 16:28	WB
1,2-Dichloroethane	ND		ug/m³	3.24	0.81	4	05/03/24	05/03/24 16:28	WB
1,1-Dichloroethene	ND		ug/m³	3.16	0.79	4	05/03/24	05/03/24 16:28	WB
cis-1,2-Dichloroethene	ND		ug/m³	3.16	0.79	4	05/03/24	05/03/24 16:28	WB
trans-1,2-Dichloroethene	ND		ug/m³	3.16	0.79	4	05/03/24	05/03/24 16:28	WB
1,2-Dichloropropane	ND		ug/m³	3.68	0.92	4	05/03/24	05/03/24 16:28	WB
cis-1,3-Dichloropropene	ND		ug/m³	3.64	0.91	4	05/03/24	05/03/24 16:28	WB
trans-1,3-Dichloropropene	ND		ug/m³	3.64	0.91	4	05/03/24	05/03/24 16:28	WB
1,4-Dioxane	ND		ug/m³	2.88	0.72	4	05/03/24	05/03/24 16:28	WB
Ethyl acetate	ND		ug/m³	14.4	14.4	4	05/03/24	05/03/24 16:28	WB
Ethylbenzene	**7.82**		ug/m³	3.48	0.87	4	05/03/24	05/03/24 16:28	WB
4-Ethyltoluene	**2.16**	J	ug/m³	3.92	0.98	4	05/03/24	05/03/24 16:28	WB

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www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 10:01

SV1-06

4050231-05 (Vapor)
Collected from 05/02/24 09:05 thru 05/02/24 12:47

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA TO-15 (GC/MS) Prepared by TO-15 Prep (continued)									
Freon 113	ND		ug/m³	6.00	1.50	4	05/03/24	05/03/24 16:28	WB
Freon 114	ND		ug/m³	5.60	5.60	4	05/03/24	05/03/24 16:28	WB
n-Heptane	**211**		ug/m³	3.28	0.82	4	05/03/24	05/03/24 16:28	WB
Hexachlorobutadiene	ND		ug/m³	8.40	8.40	4	05/03/24	05/03/24 16:28	WB
Hexane	**584**	E	ug/m³	56.0	56.0	4	05/03/24	05/03/24 16:28	WB
2-Hexanone	ND		ug/m³	3.28	0.59	4	05/03/24	05/03/24 16:28	WB
Isopropylbenzene (Cumene)	ND		ug/m³	4.40	1.60	4	05/03/24	05/03/24 16:28	WB
Methyl tert-butyl ether (MTBE)	ND		ug/m³	2.88	0.82	4	05/03/24	05/03/24 16:28	WB
Methylene chloride	ND		ug/m³	72.0	72.0	4	05/03/24	05/03/24 16:28	WB
Methyl ethyl ketone (2-Butanone)	**7.20**		ug/m³	2.36	1.36	4	05/03/24	05/03/24 16:28	WB
Methyl isobutyl ketone	ND		ug/m³	3.28	3.28	4	05/03/24	05/03/24 16:28	WB
Naphthalene	ND		ug/m³	4.40	2.80	4	05/03/24	05/03/24 16:28	WB
Propene	**3500**	E	ug/m³	1.36	1.36	4	05/03/24	05/03/24 16:28	WB
n-Propylbenzene	ND		ug/m³	3.92	1.60	4	05/03/24	05/03/24 16:28	WB
Styrene	**2.22**	J	ug/m³	3.40	0.59	4	05/03/24	05/03/24 16:28	WB
1,1,2,2-Tetrachloroethane	ND		ug/m³	5.60	1.40	4	05/03/24	05/03/24 16:28	WB
Tetrachloroethene	ND		ug/m³	5.60	2.80	4	05/03/24	05/03/24 16:28	WB
Tetrahydrofuran	ND		ug/m³	2.36	0.59	4	05/03/24	05/03/24 16:28	WB
Toluene	**74.5**		ug/m³	3.00	1.40	4	05/03/24	05/03/24 16:28	WB
1,2,4-Trichlorobenzene	ND		ug/m³	6.00	1.50	4	05/03/24	05/03/24 16:28	WB
1,1,1-Trichloroethane	ND		ug/m³	4.40	1.10	4	05/03/24	05/03/24 16:28	WB
1,1,2-Trichloroethane	ND		ug/m³	4.40	1.10	4	05/03/24	05/03/24 16:28	WB
Trichloroethene	ND		ug/m³	4.40	1.10	4	05/03/24	05/03/24 16:28	WB
Trichlorofluoromethane (Freon 11)	**1.57**	J	ug/m³	4.40	1.10	4	05/03/24	05/03/24 16:28	WB
1,2,4-Trimethylbenzene	**1.57**	J	ug/m³	3.92	0.98	4	05/03/24	05/03/24 16:28	WB
1,3,5-Trimethylbenzene	ND		ug/m³	3.92	0.98	4	05/03/24	05/03/24 16:28	WB
2,2,4-Trimethylpentane	ND		ug/m³	3.72	0.93	4	05/03/24	05/03/24 16:28	WB
Vinyl acetate	ND		ug/m³	2.80	2.80	4	05/03/24	05/03/24 16:28	WB
Vinyl bromide	ND		ug/m³	3.48	0.87	4	05/03/24	05/03/24 16:28	WB
Vinyl chloride	ND		ug/m³	2.04	0.51	4	05/03/24	05/03/24 16:28	WB
o-Xylene	**3.65**		ug/m³	3.48	0.87	4	05/03/24	05/03/24 16:28	WB
m- & p-Xylenes	**10.3**		ug/m³	6.80	1.70	4	05/03/24	05/03/24 16:28	WB
Surrogate: 4-Bromofluorobenzene			*73-115*	*96 %*		*05/03/24*		*05/03/24 16:28*	

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Analytical Results

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410-247-7600
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Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 10:01

SV1-10

4050231-06 (Vapor)
Collected from 05/02/24 09:09 thru 05/02/24 12:51

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA TO-15 (GC/MS) Prepared by TO-15 Prep									
Acetone	**81.1**		ug/m³	9.60	9.60	4	05/03/24	05/03/24 16:57	WB
Benzene	**3.96**		ug/m³	2.56	0.64	4	05/03/24	05/03/24 16:57	WB
Benzyl chloride	ND		ug/m³	4.00	1.00	4	05/03/24	05/03/24 16:57	WB
Bromodichloromethane	ND		ug/m³	5.20	1.30	4	05/03/24	05/03/24 16:57	WB
Bromoform	ND		ug/m³	8.40	2.10	4	05/03/24	05/03/24 16:57	WB
Bromomethane	ND		ug/m³	3.12	0.78	4	05/03/24	05/03/24 16:57	WB
1,3-Butadiene	ND		ug/m³	1.76	1.76	4	05/03/24	05/03/24 16:57	WB
Carbon disulfide	ND		ug/m³	6.24	6.24	4	05/03/24	05/03/24 16:57	WB
Carbon tetrachloride	ND		ug/m³	5.20	1.30	4	05/03/24	05/03/24 16:57	WB
Chlorobenzene	ND		ug/m³	3.68	0.92	4	05/03/24	05/03/24 16:57	WB
Chloroethane	ND		ug/m³	2.12	1.06	4	05/03/24	05/03/24 16:57	WB
Chloroform	**0.98**	J	ug/m³	3.88	0.97	4	05/03/24	05/03/24 16:57	WB
Chloromethane	**0.99**	J	ug/m³	1.64	0.41	4	05/03/24	05/03/24 16:57	WB
3-Chloropropene	ND		ug/m³	2.52	0.63	4	05/03/24	05/03/24 16:57	WB
Cyclohexane	**3.58**		ug/m³	2.76	0.69	4	05/03/24	05/03/24 16:57	WB
Dibromochloromethane	ND		ug/m³	5.20	1.30	4	05/03/24	05/03/24 16:57	WB
1,2-Dibromoethane (EDB)	ND		ug/m³	5.60	1.40	4	05/03/24	05/03/24 16:57	WB
1,2-Dichlorobenzene	ND		ug/m³	4.80	1.20	4	05/03/24	05/03/24 16:57	WB
1,3-Dichlorobenzene	ND		ug/m³	4.80	1.20	4	05/03/24	05/03/24 16:57	WB
1,4-Dichlorobenzene	**88.3**		ug/m³	4.80	1.20	4	05/03/24	05/03/24 16:57	WB
Dichlorodifluoromethane	ND		ug/m³	3.96	3.96	4	05/03/24	05/03/24 16:57	WB
1,1-Dichloroethane	ND		ug/m³	3.24	0.81	4	05/03/24	05/03/24 16:57	WB
1,2-Dichloroethane	ND		ug/m³	3.24	0.81	4	05/03/24	05/03/24 16:57	WB
1,1-Dichloroethene	ND		ug/m³	3.16	0.79	4	05/03/24	05/03/24 16:57	WB
cis-1,2-Dichloroethene	ND		ug/m³	3.16	0.79	4	05/03/24	05/03/24 16:57	WB
trans-1,2-Dichloroethene	ND		ug/m³	3.16	0.79	4	05/03/24	05/03/24 16:57	WB
1,2-Dichloropropane	**1.11**	J	ug/m³	3.68	0.92	4	05/03/24	05/03/24 16:57	WB
cis-1,3-Dichloropropene	ND		ug/m³	3.64	0.91	4	05/03/24	05/03/24 16:57	WB
trans-1,3-Dichloropropene	ND		ug/m³	3.64	0.91	4	05/03/24	05/03/24 16:57	WB
1,4-Dioxane	ND		ug/m³	2.88	0.72	4	05/03/24	05/03/24 16:57	WB
Ethyl acetate	**46.1**		ug/m³	14.4	14.4	4	05/03/24	05/03/24 16:57	WB
Ethylbenzene	**22.4**		ug/m³	3.48	0.87	4	05/03/24	05/03/24 16:57	WB
4-Ethyltoluene	ND		ug/m³	3.92	0.98	4	05/03/24	05/03/24 16:57	WB
Freon 113	ND		ug/m³	6.00	1.50	4	05/03/24	05/03/24 16:57	WB

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Analytical Results

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Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 10:01

SV1-10

4050231-06 (Vapor)
Collected from 05/02/24 09:09 thru 05/02/24 12:51

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA TO-15 (GC/MS) Prepared by TO-15 Prep (continued)									
Freon 114	ND		ug/m³	5.60	5.60	4	05/03/24	05/03/24 16:57	WB
n-Heptane	**28.5**		ug/m³	3.28	0.82	4	05/03/24	05/03/24 16:57	WB
Hexachlorobutadiene	ND		ug/m³	8.40	8.40	4	05/03/24	05/03/24 16:57	WB
Hexane	ND		ug/m³	56.0	56.0	4	05/03/24	05/03/24 16:57	WB
2-Hexanone	ND		ug/m³	3.28	0.59	4	05/03/24	05/03/24 16:57	WB
Isopropylbenzene (Cumene)	**1.97**	J	ug/m³	4.40	1.60	4	05/03/24	05/03/24 16:57	WB
Methyl tert-butyl ether (MTBE)	ND		ug/m³	2.88	0.82	4	05/03/24	05/03/24 16:57	WB
Methylene chloride	ND		ug/m³	72.0	72.0	4	05/03/24	05/03/24 16:57	WB
Methyl ethyl ketone (2-Butanone)	**10.0**		ug/m³	2.36	1.36	4	05/03/24	05/03/24 16:57	WB
Methyl isobutyl ketone	**3.44**		ug/m³	3.28	3.28	4	05/03/24	05/03/24 16:57	WB
Naphthalene	ND		ug/m³	4.40	2.80	4	05/03/24	05/03/24 16:57	WB
Propene	**408**	E	ug/m³	1.36	1.36	4	05/03/24	05/03/24 16:57	WB
n-Propylbenzene	ND		ug/m³	3.92	1.60	4	05/03/24	05/03/24 16:57	WB
Styrene	ND		ug/m³	3.40	0.59	4	05/03/24	05/03/24 16:57	WB
1,1,2,2-Tetrachloroethane	ND		ug/m³	5.60	1.40	4	05/03/24	05/03/24 16:57	WB
Tetrachloroethene	ND		ug/m³	5.60	2.80	4	05/03/24	05/03/24 16:57	WB
Tetrahydrofuran	ND		ug/m³	2.36	0.59	4	05/03/24	05/03/24 16:57	WB
Toluene	**31.7**		ug/m³	3.00	1.40	4	05/03/24	05/03/24 16:57	WB
1,2,4-Trichlorobenzene	ND		ug/m³	6.00	1.50	4	05/03/24	05/03/24 16:57	WB
1,1,1-Trichloroethane	ND		ug/m³	4.40	1.10	4	05/03/24	05/03/24 16:57	WB
1,1,2-Trichloroethane	ND		ug/m³	4.40	1.10	4	05/03/24	05/03/24 16:57	WB
Trichloroethene	ND		ug/m³	4.40	1.10	4	05/03/24	05/03/24 16:57	WB
Trichlorofluoromethane (Freon 11)	ND		ug/m³	4.40	1.10	4	05/03/24	05/03/24 16:57	WB
1,2,4-Trimethylbenzene	**2.36**	J	ug/m³	3.92	0.98	4	05/03/24	05/03/24 16:57	WB
1,3,5-Trimethylbenzene	ND		ug/m³	3.92	0.98	4	05/03/24	05/03/24 16:57	WB
2,2,4-Trimethylpentane	**4.67**		ug/m³	3.72	0.93	4	05/03/24	05/03/24 16:57	WB
Vinyl acetate	ND		ug/m³	2.80	2.80	4	05/03/24	05/03/24 16:57	WB
Vinyl bromide	ND		ug/m³	3.48	0.87	4	05/03/24	05/03/24 16:57	WB
Vinyl chloride	ND		ug/m³	2.04	0.51	4	05/03/24	05/03/24 16:57	WB
o-Xylene	**17.0**		ug/m³	3.48	0.87	4	05/03/24	05/03/24 16:57	WB
m- & p-Xylenes	**38.9**		ug/m³	6.80	1.70	4	05/03/24	05/03/24 16:57	WB
Surrogate: 4-Bromofluorobenzene			*73-115*	*100 %*		*05/03/24*		*05/03/24 16:57*	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rabecka Koons, Quality Assurance Officer

All analyses performed at Maryland Spectral Services included in the report are TNI certified except as indicated at the end of the report.

Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: Saddle Creek

Project Number: 47:18315-A
Project Manager: Nick Stella

Reported:
05/08/24 10:01

Notes and Definitions

J	Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).
RE	Sample reanalyses are done at the laboratory's discretion as a mechanism to improve data quality. Any client requested reanalysis will be identified with a sample qualifier.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
%-Solids	Percent Solids is a supportive test and as such does not require accredidation

If this report contains any samples analyzed for gasoline range organics (GRO) by EPA Method 8015C and no trip blank was shipped, stored, and received with the sample(s) as required by Section 3.1 of the EPA Method, the sample analysis contained in this report cannot exclude the possibility that any reportable GRO measurement was due to environmental contamination of the sample during shipping or storage.

Rabecka Koons, Quality Assurance Officer

All analyses performed at Maryland Spectral Services included in the report are TNI certified except as indicated at the end of the report.

Air Analysis by TO-15

Chain of Custody

Client Contact Information	Project Manager: Nick Stella	Carrier:	___ of ___ COCs
Company: ECS Baltimore	Phone:	Samplers Name(s) Nick Stella	Analysis/ Matrix
	Site Contact:		
Project Name: Saddle Creek	Analysis Turnaround Time		
Site: 18315-A	Standard (Specify) 5 day		
PO #	Rush (Specify)		

Client Sample ID	Sample Date Start	Time Start (24 hr clock)	Sample Date Stop	Time Stop (24 hr clock)	Canister Pressure in Field ("Hg) (Start)	Canister Pressure In Field ("Hg) (Stop)	Incoming Canister Pressure ("Hg) (Lab)	Sample Regulator ID	Can ID	Can Size (L)	TO-15 FULL LIST	TO-15 ABREVIATED LIST	Indoor / Ambient Air	Soil Gas / Subslab	Comments
SV2-01	5/2/24	0842	5/2/24	1228	30	6		S-DX	193	1.4	X			X	4050231-01 A
SV2-05		0846		1231	~~30~~ 30	4		S-AC	105		X			X	-02
SV2-09		0849		1235	30	27		S-CY	166		X			X	-03
SV1-01		0859		1244	30	4		S-EE	096		X			X	-04
SV1-06		0905		1247	30	4		S-EW	052		X			X	-05
SV1-10		0909		1251	30	2		S-AW	086		X			X	-06

Special Instructions/QC Requirements & Comments:

Canisters Shipped by:	Date/Time:	Canisters Received by:	Date/Time: 15:48
Samples Relinquished by:	Date/Time: 5/2/24	Received by:	Date/Time: 5-2-24
Relinquished by:	Date/Time:	Received by:	Date/Time: