ADDITIONAL SOIL SAMPLING

BURTONSVILLE ELEMENTARY SCHOOL
14709 SADDLE CREEK DRIVE
BURTONSVILLE, MARYLAND 20866

ECS PROJECT NO. 47:18315-D

FOR

MTFA ARCHITECTURE, INC.

APRIL 11, 2025

April 11, 2025

Ms. Meagan Jancy, AIA, LEED AP
MTFA Architecture, Inc.
3200 Lee Highway
Arlington, Virginia 22207

ECS Project No. 47:18315-D

Reference: Additional Soil Sampling, Burtonsville Elementary School, 14709 Saddle Creek Drive, Beltsville, Maryland 20866

Dear Ms. Jancy:

Pursuant to your request, ECS Mid-Atlantic, LLC (ECS) is pleased to provide you with the results of our additional soil sampling performed at the above-referenced property (Figure 1). Our services were provided in accordance with ECS Proposal No. 47:37403, dated February 7, 2025.

BACKGROUND

The subject property is located at 14709 Saddle Creek Drive in Burtonsville, Montgomery County, Maryland 20866. According to the Montgomery County Online GIS website, the subject property is identified as Parcel Identification Number (PIN) 05-03718346, consists of 10.95 acres, and is owned by Board of Education of Montgomery County. Based on the available information, the subject property consists of unimproved land.

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 (RECs) 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 fill 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.

Following the Phase I ESA, ECS completed an Environmental Subsurface Evaluation (ESE) for the subject property (ECS Project Number 47:18315-A), dated May 14, 2024. ECS advanced a total of twenty (20) probes (10 in each of 2 Operational Units (OUs)) to depths ranging from approximately 15 to 20 feet below ground surface (bgs). ECS collected a total of eight (8)

composite soil samples, sixteen (16) grab soil samples, four (4) subsurface water samples, and six (6) soil vapor samples from the subject property. 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 Hexavalent Chromium in soil samples collected at depths greater than 5 feet below grade on select portion of the site and 1,4-Dichlorobenzene in soil vapor samples collected from select portions of the site.

Following the ESE, ECS completed an Environmental Ambient Air and Vapor Assessment for the subject property, dated August 26, 2024 (ECS Project Number 47:18315-B). ECS collected eight (8) soil vapor samples from within the footprint of the proposed school building and performed silica exposure and nuisance dust screening at the site. Concentrations of COPCs did not exceed applicable MDE Residential or Commercial Screening Levels in any of the soil vapor samples collected at the subject property, with the exception of concentrations of Chloroform and 1,4-Dichlorobenzene detected in samples collected within the footprint of the proposed structure. Additionally, nuisance dust and silica exposure levels were below the Occupational Safety and Health Administration's (OSHA's) permissible exposure limits (PELs) and do not appear to present an issue for future site occupants at this time.

ECS provided the reports discussed above to the MDE Controlled Hazardous Substances (CHS) Division in February 2025. In an Environmental Site Determination Letter, dated February 28, 2025, the MDE stated that while there is contamination found onsite, the contamination concentrations do not demand MDE supervision or interference. Additionally, ECS understands that a vapor mitigation system has been designed and will be implemented during the construction of the new building.

ECS understands that since the data of the previous onsite assessments, the Limit of Disturbance (LOD) has been revised to include the south adjoining Parks Property for the development of stormwater outfall infrastructure. As a result, ECS proposed to excavate test pits within the revised portion of the LOD and perform soil sampling to characterize the soil.

SCOPE OF WORK

On March 27, 2025, ECS observed the excavation of five (5) test pits (TP-1 through TP-5) within the revised Limit of Disturbance (LOD) in an effort to evaluate the in-situ soil conditions. Each test pit was advanced to a depth of approximately five (5) feet below the current grade. ECS collected two (2) soil aliquots from each of the five (5) test pits for a total of ten (10) soil aliquots. The individual aliquots collected from the test pits were used to generate one (1) composite soil sample. The one (1) composite soil sample was submitted for laboratory analysis of Priority Pollutant Metals (PP Metals) via EPA Method 6020; Polycyclic Aromatic Hydrocarbons (PAHs) via EPA Method 8270; and Polychlorinated Biphenyls (PCBs) via EPA Method 8082.

Additionally, soil generated from the excavation of each test pit was screened using a MiniRAE 3000 photoionization detector (PID) with a 10.6 electron-volt bulb, calibrated to a 100-parts per million (ppm) isobutylene standard prior to use. The PID is useful for qualitative field screening of total volatile organic compounds (VOCs), along with other field screening observations (i.e. staining, odors, etc.) to compare soils for apparent evidence of potential impacts. The PID does

not quantify or identify specific compounds; in addition, it does not screen for methane, metals, or other inorganic compounds. Soil samples were positively biased based on PID readings. In the event that no PID readings were detected, one (1) discrete grab soil sample was collected at a depth representative of the area assessed from each test pit. In total, ECS collected five (5) grab soil samples during this assessment. The five (5) grab soil samples were submitted for laboratory analysis of Volatile Organic Compounds (VOCs) via EPA Method 8260; Total Petroleum Hydrocarbons (TPH) Diesel Range Organics (DRO) via EPA Method 8015; and TPH Gasoline Range Organics (GRO) via EPA Method 8015.

The soil samples were packed into clean, laboratory-provided containers, labeled, placed on ice, and submitted under chain-of-custody (COC) protocol to an independent laboratory for analysis. Appropriate COC procedures were utilized to track the samples from collection to final disposition. The sampling protocol resulted in the collection of six (6) soil samples, including one (1) composite soil sample and five (5) grab soil samples. A map showing the sample locations is included in Figure 2.

RESULTS

On March 27, 2025, ECS collected a total of six (6) soil samples, one (1) composite soil sample and five (5) grab soil samples, from the subject property. ECS compared the soil samples to the Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, dated October 2018 (Regulatory Standards). Concentrations of contaminants of potential concern (COPCs) did not exceed applicable MDE Regulatory Standards in any of the soil samples submitted for analysis.

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

CONCLUSIONS

Concentrations of contaminants of potential concern (COPCs) did not exceed applicable Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, dated October 2018 (Regulatory Standards) in any of the soil samples submitted for laboratory analysis. Based on the analytical results, ECS recommends no further action or environmental assessment within the revised Limit of Disturbance (LOD) area at this time.

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.

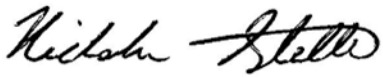
The conclusions and/or recommendations presented within this report are based upon a reasonable level of study within normal bounds and standards of professional practice for a site in this particular geographic and geologic setting. The intent of this assessment is to identify the presence of environmental 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



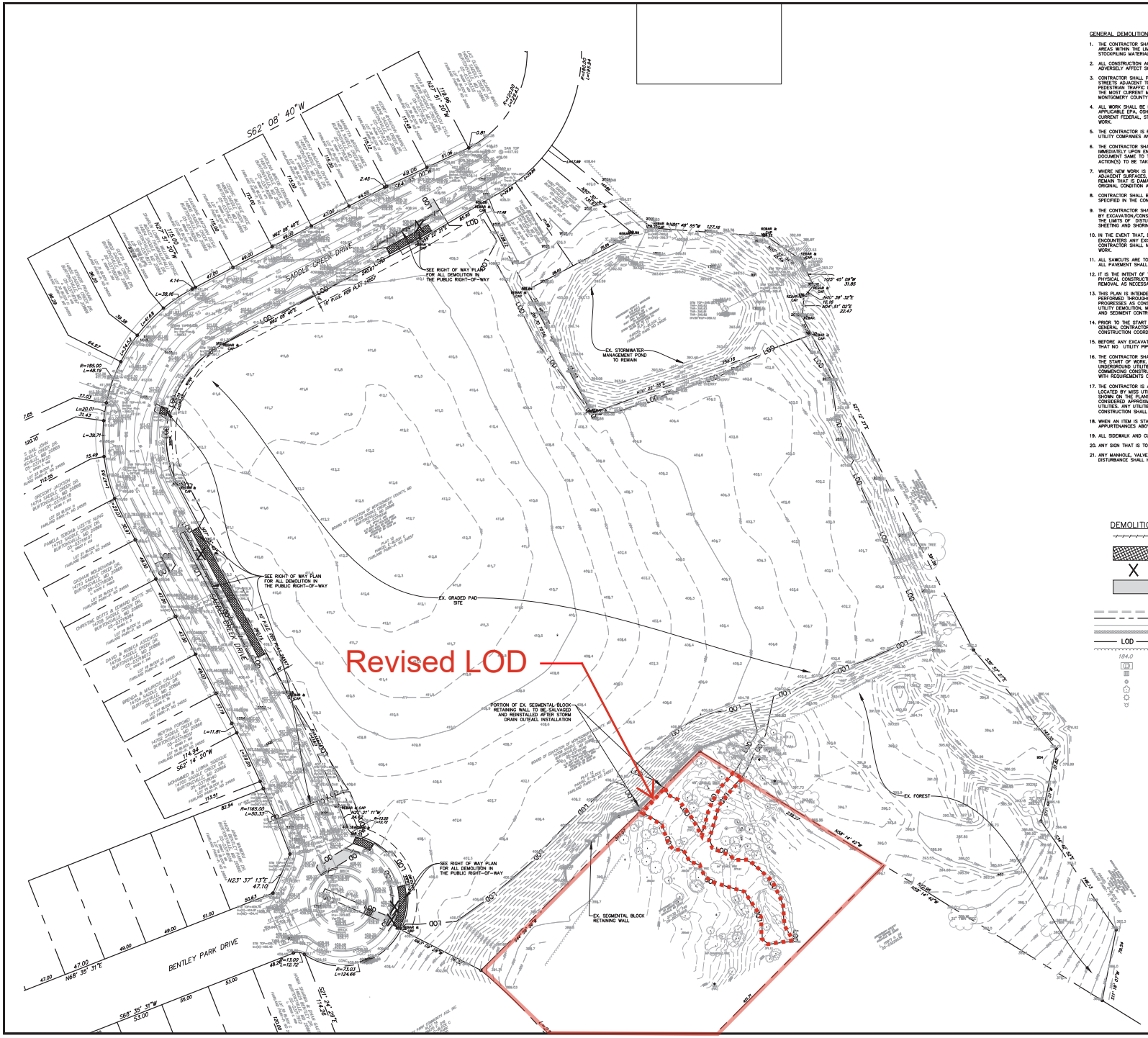
Nicholas Stella
Environmental Project Manager

Michael M. Bell, CHMM
Environmental Principal

Appendix:

Figure 1…….. Site Location Map
Figure 2…….. Sample Location Map
Table 1..…….... Indoor Air Sample Analytical Results
Attachment A……. Laboratory Results

Figures



GENERAL DEMOLITION NOTES

1. THE CONTRACTOR SHALL BE LIMITED TO STORING MATERIALS IN DESIGNATED STAGING AREAS WITHIN THE LIMITS OF DISTURBANCE FOR THIS PROJECT. NO STORING OR STOCKPILING MATERIALS OUTSIDE THE LIMITS OF DISTURBANCE WILL BE ALLOWED.
2. ALL CONSTRUCTION ACTIVITY SHALL BE COORDINATED WITH MCPS AND PHASED TO NOT ADVERSELY AFFECT SCHOOL ACTIVITIES.
3. CONTRACTOR SHALL PROVIDE REQUIRED SIGNAGE AND FLAGMEN ALONG ALL PUBLIC STREETS ADJACENT TO THE SITE, TO ASSURE THE SAFETY OF ALL VEHICULAR AND PEDESTRIAN TRAFFIC IF REQUIRED. ALL TRAFFIC CONTROLS MUST BE IN ACCORDANCE WITH THE MOST CURRENT MUTCD AND MdMUTCD REQUIREMENTS AND WITH THE MOST CURRENT MONTGOMERY COUNTY DOT WORK ZONE TRAFFIC CONTROL STANDARDS AND DETAILS.
4. ALL WORK SHALL BE PERFORMED IN STRICT CONFORMANCE WITH THE MOST CURRENT APPLICABLE EPA, OSHA, AND MOSHA REGULATIONS AND MUST COMPLY WITH THE MOST CURRENT FEDERAL, STATE AND/OR LOCAL REGULATIONS AND CODES APPLICABLE TO SAID WORK.
5. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WORK WITH REPRESENTATIVE UTILITY COMPANIES AND IMPLEMENTING REQUIRED UTILITY-RELATED WORK ACCORDINGLY.
6. THE CONTRACTOR SHALL NOTIFY THE OWNER AND/OR OWNERS REPRESENTATIVE IMMEDIATELY UPON ENCOUNTERING ANY HAZARDOUS MATERIALS. THE CONTRACTOR SHALL DOCUMENT SAME TO THE OWNER TO OBTAIN DIRECTION AS TO THE APPROPRIATE ACTION(S) TO BE TAKEN.
7. WHERE NEW WORK IS TO BE DONE, CARE SHALL BE TAKEN TO PROTECT ALL EXISTING ADJACENT SURFACES, STRUCTURES, AND AREAS FROM DAMAGE. ANY ITEM TO SHOWN TO REMAIN THAT IS DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
8. CONTRACTOR SHALL BACKFILL EXCAVATED AREAS WITH ACCEPTABLE MATERIAL, AS SPECIFIED IN THE CONTRACT DOCUMENTS.
9. THE CONTRACTOR SHALL SHEET/SHORE AND BRACE ANY AND ALL STRUCTURES EXPOSED BY EXCAVATION/CONSTRUCTION IF REQUIRED AND SHALL CONTAIN ALL EXCAVATION WITHIN THE LIMITS OF DISTURBANCE. CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN OF SHEETING AND SHORING IN ACCORDANCE WITH LOCAL, STATE, OR FEDERAL REQUIREMENTS.
10. IN THE EVENT THAT, DURING DEMOLITION OR CONSTRUCTION ACTIVITIES THE CONTRACTOR ENCOUNTERS ANY EXISTING UTILITIES/STRUCTURES NOT SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE OWNER FOR DIRECTIONS PRIOR TO PROCEEDING WITH ANY WORK.
11. ALL SAWCUTS ARE TO BE STRAIGHT AND EVEN, JAGGED EDGES WILL NOT BE ACCEPTED. ALL PAVEMENT SHALL BE SAWCUT AT THE LIMITS OF REMOVAL.
12. IT IS THE INTENT OF THIS DEMOLITION PHASE TO PROVIDE A SITE CLEAR OF ALL PHYSICAL CONSTRUCTIONS THAT WILL IMPEDE NEW CONSTRUCTION. PHASE STORM DRAIN REMOVAL AS NECESSARY TO MAINTAIN POSITIVE DRAINAGE THROUGHOUT CONSTRUCTION.
13. THIS PLAN IS INTENDED TO PROVIDE AN OVERALL PICTURE OF DEMOLITION THAT WILL BE PERFORMED THROUGHOUT CONSTRUCTION. SOME DEMOLITION IS PHASED AND PROGRESSES AS CONSTRUCTION CONTINUES. ALL DEMOLITION, AND MOST IMPORTANTLY UTILITY DEMOLITION, MUST BE PERFORMED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND THE SEQUENCE OF CONSTRUCTION.
14. PRIOR TO THE START OF CONSTRUCTION AN ON-SITE MEETING WITH MCPS AND THEIR GENERAL CONTRACTOR SHALL BE HELD TO DISCUSS TIMING OF OPERATIONS AND CONSTRUCTION COORDINATION.
15. BEFORE ANY EXCAVATION BELOW SUBGRADE IS ALLOWED, THE CONTRACTOR SHALL VERIFY THAT NO UTILITY PIPING IS IN THE VICINITY OF EXCAVATION.
16. THE CONTRACTOR SHALL CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL UNDERGROUND UTILITIES IN THE AREA OF PROPOSED WORK ARE LOCATED PRIOR TO COMMENCING CONSTRUCTION WORK. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF CHAPTER 36A OF THE MONTGOMERY COUNTY CODE.
17. THE CONTRACTOR IS ALSO RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES (NOT LOCATED BY MISS UTILITY) WITHIN MCPS PROPERTY AT THEIR EXPENSE. ALL UTILITIES SHOWN ON THE PLANS ARE PROVIDED FOR INFORMATION ONLY AND SHALL BE CONSIDERED APPROXIMATE. MCPS WILL NOT LOCATE ANY OF THE EXISTING UNDERGROUND UTILITIES. ANY UTILITIES OR OTHER UNDERGROUND FACILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED/REPLACED AT THE CONTRACTOR'S EXPENSE.
18. WHEN AN ITEM IS STATED TO BE REMOVED, IT SHALL INCLUDE REMOVAL OF ANY AND ALL APPURTENANCES ABOVE OR BELOW GRADE ASSOCIATED WITH SAID ITEM.
19. ALL SIDEWALK AND CURB AND GUTTER TO BE REMOVED TO THE NEAREST WHOLE PANEL.
20. ANY SIGN THAT IS TO BE DISPLACED WITH THIS WORK SHALL BE SALVAGED FOR REUSE.
21. ANY MANHOLE, VALVE, OR OTHER UTILITY THAT IS TO REMAIN WITHIN THE LIMITS OF DISTURBANCE SHALL HAVE THEIR LIDS MODIFIED TO MEET PROPOSED GRADE.

DEMOLITION LEGEND

- EXISTING LINEAR ITEM TO BE REMOVED
- EXISTING CONCRETE PAVEMENT TO BE REMOVED
- EXISTING ITEM TO BE REMOVED
- EXISTING ASPHALT PAVEMENT TO BE REMOVED
- EXISTING CURB
- EXISTING PROPERTY LINE
- EXISTING BUILDING
- LOD — LIMITS OF DISTURBANCE
- EXISTING TREE LINE
- 184.0 — EXISTING GRADE ELEVATION
- EXISTING CURB INLET
- EXISTING GRATE INLET
- EXISTING MANHOLE
- EXISTING TREE
- EXISTING LIGHT POLE
- EXISTING FIRE HYDRANT

THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION, MONTGOMERY COUNTY PARKS

M-NCPPC PERMIT NO. 2024-035
PARK: McKnew Conservation Park; Park Code MC-608
REVIEWED BY: Andrew Sarcinello
APPROVED BY: John Gamba, CHIEF, CONSTRUCTION SECTION
DATE APPROVED: 01/29/2025

THIS IS NOT A PERMIT TO BEGIN CONSTRUCTION

This approval is for technical review only. For permit information, contact John Gamba, Construction Supervisor at (301)495-2577.

MTFA architecture
3200 Langston Boulevard Arlington, VA 22207
703-524-6656 www.MTFA.net

BURTONSVILLE ELEMENTARY SCHOOL

MDSE - PUBLIC SCHOOL CONSTRUCTION PROGRAM (PSCP)# TBD

MONTGOMERY COUNTY PUBLIC SCHOOLS
14709 SADDLE CREEK DR, BURTONSVILLE, MD 20866

CIVIL
CLARK I AZAR & ASSOCIATES, INC.
20440 CENTURY BLVD., SUITE 220
GERMANTOWN, MD 20874
703.718.4335

STRUCTURAL
LINTON ENGINEERING
46690 LAKE CENTER PLAZA, SUITE 309
POTOMAC FALLS, VA 20165
571.323.0320

MEP / FP
JAMES POSEY ASSOCIATES
11150 RED RUN BOULEVARD, SUITE 310
BALTIMORE, MD 21117
410.356.6100

FOOD SERVICE
NYIKOS-GARCIA
7146 STARMOUNT WAY
NEW MARKET, MD 21774
240.683.3520

ACOUSTICS
POLYSONICS
405 BELLE AIR LANE
WARRENTON, VA 20186
540.341.4988

10/14/2024

MANDATORY REFERRAL: MR2024014
TAX MAP: LR13
WSSC GRID # 219NE05 / 220NE05
LIBER: 57143 FOLIO:358
ELECTION DISTRICT: 5

PROFESSIONAL CERTIFICATION
I CERTIFY THAT THESE DRAWINGS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND
LICENSE NUMBER: 21168 EXPIRATION DATE: 07/10/2025

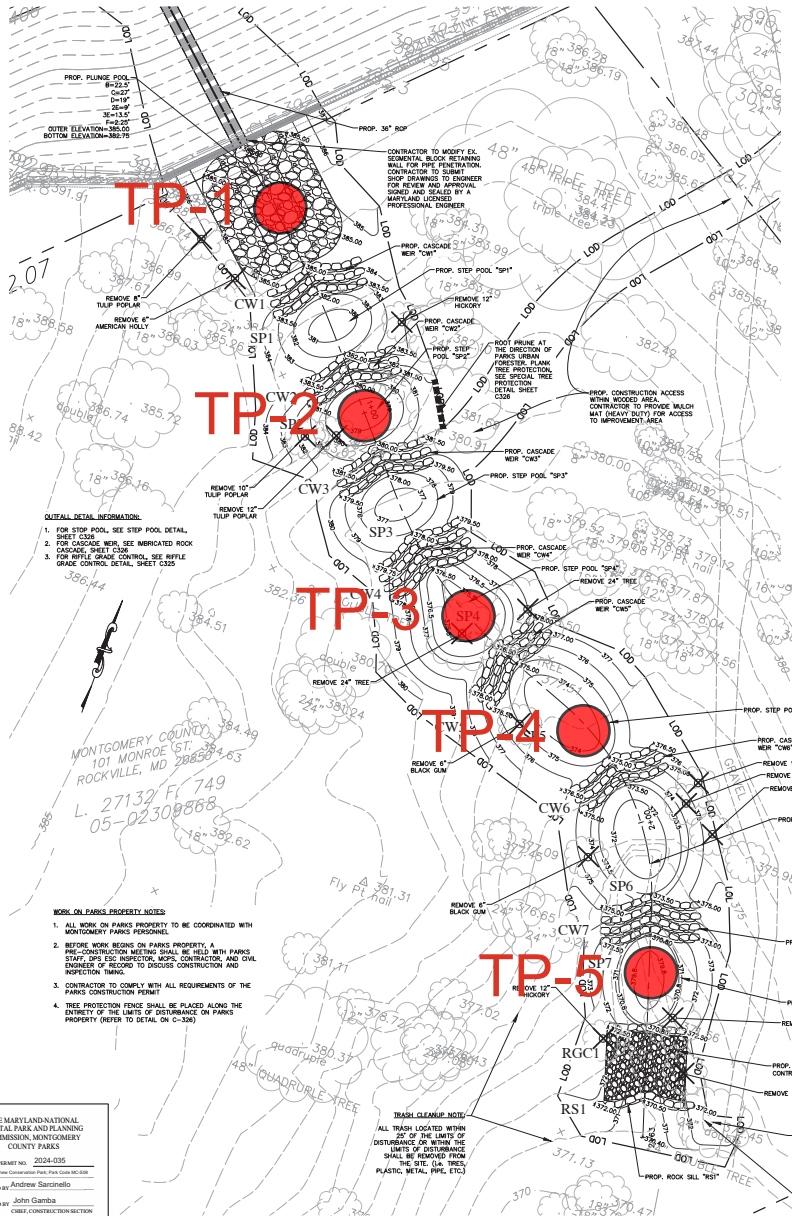
PROJECT # 23029

DATE:	ISSUE:
11/08/23	IAC SD SUBMISSION
02/15/24	DESIGN DEVELOPMENT
06/04/24	65% CONSTRUCTION DOCUMENTS
07/25/24	95% CONSTRUCTION DOCUMENTS
08/30/24	BID SET
09/12/24	ADDENDUM #1
09/18/24	ADDENDUM #2
09/26/24	ADDENDUM #4

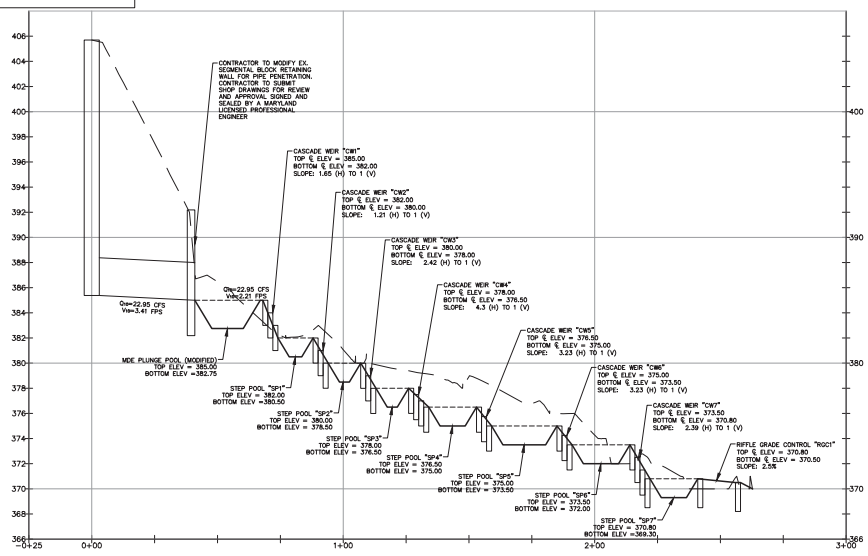
DRAWN: CHECKED:
SCALE: 1" = 40'

SHEET TITLE:
EXISTING CONDITIONS & DEMOLITION PLAN

SHEET #
C100



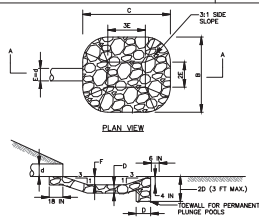
1 OUTFALL PLAN
SCALE: 1" = 10'



2 OUTFALL PROFILE
SCALE: 1" = 40' (HOR) 1"=4' (VER)

*MODIFIED
DETAIL D-4-2 PLUNGE POOL

STANDARD SYMBOL
PP



CONSTRUCTION SPECIFICATIONS

1. USE SPECIFIED CLASS OF RIPRAP.
2. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H–1 MATERIALS, AND PROTECT FROM PUNCHING, CUTTING, OR TEARING. REPAIR ANY DAMAGE OTHER THAN AN OCCASIONAL SMALL HOLE BY PLACING ANOTHER PIECE OF GEOTEXTILE OVER THE DAMAGED PART OR BY COMPLETELY REPLACING THE GEOTEXTILE. PROVIDE A MINIMUM OF ONE FOOT OVERLAP FOR ALL REPAIRS AND FOR JOINING TWO PIECES OF GEOTEXTILE.
3. PREPARE THE SUBGRADE FOR THE PLUNGE POOL TO THE REQUIRED LINES AND GRADES. COMPACT ANY FILL REQUIRED IN THE SUBGRADE TO A DENSITY OF APPROXIMATELY THAT OF THE SURROUNDING UNDISTURBED MATERIAL.
4. EMBED THE GEOTEXTILE A MINIMUM OF 4 INCHES AND EXTEND THE GEOTEXTILE A MINIMUM OF 6 INCHES BEYOND THE EDGE OF THE SCOUR HOLE.
5. STONE FOR THE PLUNGE POOL MAY BE PLACED BY EQUIPMENT. CONSTRUCT TO THE FULL COURSE THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO AVOID DISPLACEMENT OF UNDERLYING MATERIALS. DELIVER AND PLACE THE STONE FOR THE PLUNGE POOL IN A MANNER THAT WILL ENSURE THAT IT IS REASONABLY HOMOGENEOUS WITH THE SMALLER STONES AND SPALLS FILLING THE VOIDS BETWEEN THE LARGER STONES. PLACE STONE FOR THE PLUNGE POOL IN A MANNER TO PREVENT DAMAGE TO THE GEOTEXTILE. HAND PLACE TO THE EXTENT NECESSARY.
6. AT THE PLUNGE POOL OUTLET, PLACE THE STONE SO THAT IT MEETS THE EXISTING GRADE.
7. MAINTAIN LINE, GRADE, AND CROSS SECTION. KEEP OUTLET FREE OF EROSION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. AFTER HIGH FLOWS INSPECT FOR SCOUR AND DISLODGED RIPRAP. MAKE NECESSARY REPAIRS IMMEDIATELY.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL		
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

TREE MITIGATION PLANTINGS REQUIRED

Trees 1.5" Cal	Quantity
Platanus occidentalis	8
Liquidambar styciaflua	8
Carya glabra	8
Liriodendron tulipifera	6
Pinus virginiana	6
Quercus rubra	4
Nyssa sylvatica	6
Acer rubrum	4
Betula nigra	4
Taxodium distichum	4
Quercus bicolor	8
Ilex opaca	4
Carpinus caroliniana	4
TOTAL TREES	74

Deep 6" Plugs	Quantity
Juncus effusus	200
Chasmanthium latifolium	100
Carex vulpinoidea	100
Asclepias incarnata	50
Dichanthelium clandestinum	100
Scirpus cyperinus	100
Scirpus georgianus	100
Solidago rugosa	100
Verbesina alternifolia	50
Eutrochium fistulosum	50
Ageratina altissima	50
TOTAL PLUGS	1000

Trees 3" Cal	Quantity
Platanus occidentalis	6
Liriodendron tulipifera	4
Taxodium distichum	2
Liquidambar styciaflua	4
Nyssa sylvatica	5
Pinus virginiana	6
TOTAL TREES	27

Shrubs/Trees (3 gal)	Quantity
Paw Paw	4
Lindera benzoin (Spicebush)	8
Viburnum prunifolium (Blackhaw)	4
Viburnum dentatum (Arrow-wood Viburnum)	4
Ilex verticillata (Winterberry Holly)	4
Chionanthus virginicus (White Fringetree)	4
Alnus serrulata (Alder)	4
TOTAL SHRUBS	32

STREAM RESTORATION STRUCTURE TABLES

IMBRICATED ROCK CASCADE

STRUCTURE #	APEX STATION (X)	APEX ELEVATION (X)	DOWNSTREAM ELEVATION (Z)	LENGTH (L)	BANKFULL WIDTH (B)
CW1	0+69.96	385.00	382.00	4.85	12.0
CW2	0+89.21	382.00	378.00	4.85	12.0
CW3	1+07.83	380.00	378.00	4.85	12.0
CW4	1+26.93	378.00	376.50	6.45	12.0
CW5	1+54.50	376.50	375.00	4.85	12.0
CW6	1+86.48	375.00	373.50	4.85	12.0
CW7	2+16.08	373.50	370.80	6.45	12.0

ROCK SILL (RS) STRUCTURE TABLE

STR#	APEX STA	POINT "X" C/L OFFSET (FT)	A ARCH LENGTH (FT)	B BANKFULL WIDTH (FT)	C (FT) (4FT MIN)	D (FT)	X (MSL)	Y (MSL)	BED STABILITY MIX TYPE
RS1	2+55.55	0	1.8	16.0	4.0	5.3	370.50	372.00	Type C

RIFFLE GRADE CONTROL (RGC) STRUCTURE TABLE

STR#	CREST STA.	A (FT)	SLOPE	B BANKFULL WIDTH (FT)	D (FT)	E BANKFULL DEPTH (FT)	X (MSL)	Z (MSL)	BED STABILITY MIX TYPE
RGC1	2+40.63	12.0	2.5%	16.0	5.3	1.5	370.80	370.50	Type C

STEP POOL (SP) TABLE

SP#	STEP APEX STATION (X)	STEP APEX ELEVATION (X)	STEP POOL LENGTH (A) FT	STEP DROP (H) FT	POOL DEPTH (G) FT	POOL WIDTH (W) FT	BED STABILITY MIX TYPE (BSM)
SP1	0+74.61	382.00	12.89	CW1	1.5	16.0	Type C
SP2	0+93.51	380.00	13.16	CW2	1.5	16.0	Type C
SP3	1+12.62	378.00	13.12	CW3	1.5	16.0	Type C
SP4	1+33.89	376.50	19.47	CW4	1.5	16.0	Type C
SP5	1+59.33	375.00	15.54	CW5	1.5	16.0	Type C
SP6	1+91.35	373.50	23.21	CW6	1.5	16.0	Type C
SP7	2+22.52	370.80	17.87	CW7	1.5	16.0	Type C

0 10' 20'
GRAPHIC SCALE

ESC/SWM SHEET 11 OF 14

THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION, MONTGOMERY COUNTY PARKS

M-NCPPC PERMIT NO. 2024-035
PARK: McKenna Conservation Park; Park Code MC-008
REVIEWED BY: Andrew Sarcinello
APPROVED BY: John Gamba
CHIEF, CONSTRUCTION SECTION
DATE APPROVED: 01/29/2025

THIS IS NOT A PERMIT TO BEGIN CONSTRUCTION

This approval is for technical review only. For permit information, contact John Gamba, Construction Supervisor at (301)495-2577.

MTFA architecture
3200 Langston Boulevard Arlington, VA 22207
703-524-6616 www.MTFA.net

BURTONSVILLE ELEMENTARY SCHOOL

MDSE - PUBLIC SCHOOL CONSTRUCTION PROGRAM (PSCP)# TBD

MONTGOMERY COUNTY PUBLIC SCHOOLS
14709 SADDLE CREEK DR, BURTONSVILLE, MD 20866

CIVIL
CLARK I AZAR & ASSOCIATES, INC.
20440 CENTURY BLVD., SUITE 220
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STRUCTURAL
LINTON ENGINEERING
46690 LAKE CENTER PLAZA, SUITE 309
POTOMAC FALLS, VA 20165
571.323.0320
MEP / FP
JAMES POSEY ASSOCIATES
11150 RED RUN BOULEVARD, SUITE 210
BALTIMORE, MD 21117
410.356.6100
FOOD SERVICE
NYIKOS-GARCIA
7146 STARMOUNT WAY
NEW MARKET, MD 21774
240.683.3520
ACOUSTICS
POLYSONICS
405 BELLE AIR LANE
WARRENTON, VA 20186
540.341.4988

11/14/2024

MANDATORY REFERRAL: MR2024014
TAX MAP: LR13
WSSC GRID # 219NE05 / 220NE05
LIBER: 57143 FOLIO:358
ELECTION DISTRICT: 5

PROFESSIONAL CERTIFICATION.
I CERTIFY THAT THESE DRAWINGS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER: 27168 EXPIRATION DATE: 07/10/2025

PROJECT # 23029

DATE:	ISSUE:
11/08/23	IAC SD SUBMISSION
02/15/24	DESIGN DEVELOPMENT
06/04/24	65% CONSTRUCTION DOCUMENTS
07/25/24	95% CONSTRUCTION DOCUMENTS
08/30/24	BID SET
09/12/24	ADDENDUM #1
09/18/24	ADDENDUM #2
09/26/24	ADDENDUM #4

DRAWN: CHECKED:
SCALE: 1" = 10'

SHEET TITLE:
PARKS OUTFALL PLAN

SHEET #
C-314
SM011DETAILS

Tables

Table 1
Burtonsville Elementary School
Soil Sample Analytical Results

Sample ID	TP-1	TP-2	TP-3	TP-4	TP-5	TP-COMP	MDE Residential Soil Cleanup Standard (mg/kg)	MDE Non-Residential Soil Cleanup Standard (mg/kg)
Date Collected	27-Mar-25	27-Mar-25	27-Mar-25	27-Mar-25	27-Mar-25	27-Mar-25		
Approximate Depth (Feet)	5	5	5	5	5	0-5		
Volatile Organics by EPA 8260D (mg/kg)								
Methylene Chloride	0.0234	0.0258	0.0254	0.0246	0.0279	NA	35	320
Total Petroleum Hydrocarbons by EPA 8015C (mg/kg)								
Gasoline-Range Organics	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	NA	230	620
Diesel-Range Organics	ND (9.3)	ND (9.7)	ND (9.8)	ND (9.4)	ND (9.4)	NA	230	620
Semivolatile Organics by EPA 8270D (mg/kg)								
Total Semivolatile Organics	NA	NA	NA	NA	NA	ND (Varies)	Varies	Varies
Polychlorinated Biphenyls by EPA 8082A (mg/kg)								
Total Polychlorinated Biphenyls	NA	NA	NA	NA	NA	ND (Varies)	Varies	Varies
Total Metals Analysis by EPA 6020B (mg/kg)								
Arsenic	NA	NA	NA	NA	NA	2.78	10[(1)]	28[(1)]
Chromium	NA	NA	NA	NA	NA	19.3	12,000[(2)]	180,000[(2)]
Copper	NA	NA	NA	NA	NA	6.59	310	4,700
Lead	NA	NA	NA	NA	NA	6.5	200	550
Mercury	NA	NA	NA	NA	NA	0.021	1.1	4.6
Nickel	NA	NA	NA	NA	NA	6.14	150	2,200
Selenium	NA	NA	NA	NA	NA	0.958	39	580
Zinc	NA	NA	NA	NA	NA	16.3	2,300	35,000

Maryland Department of the Environment Cleanup Standards for Soil and Groundwater. Published October 2018.
(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
NP = The MDE/EPA has no published standard
mg/kg = Parts per million (milligrams per kilogram)
ND (#) = Not Detected (Laboratory Detection Limit)

Attachment A

Maryland spectral Services

Analytical Chemistry Services

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

03 April 2025

Matt Raabe
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 03/27/25 11:30.

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: 047:18315-D:082
Project Manager: Matt Raabe

Reported:
04/03/25 08:56

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TP-1		5032706-01	Soil	03/27/25 07:40	03/27/25 11:30
TP-2		5032706-02	Soil	03/27/25 08:00	03/27/25 11:30
TP-3		5032706-03	Soil	03/27/25 08:16	03/27/25 11:30
TP-4		5032706-04	Soil	03/27/25 08:50	03/27/25 11:30
TP-5		5032706-05	Soil	03/27/25 09:10	03/27/25 11:30
TP-COMP		5032706-06	Soil	03/27/25 10:30	03/27/25 11:30

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

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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: 047:18315-D:082
Project Manager: Matt Raabe

Reported:
04/03/25 08:56

TP-1

5032706-01 (Soil)
Sampled on: 03/27/25 07:40

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by 5030-GCMS									
Acetone	ND		ug/kg dry	11.7	11.7	1	04/01/25	04/01/25 11:50	LL
tert-Amyl alcohol (TAA)	ND		ug/kg dry	58.4	58.4	1	04/01/25	04/01/25 11:50	LL
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Benzene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Bromobenzene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Bromochloromethane	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Bromodichloromethane	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Bromoform	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Bromomethane	ND		ug/kg dry	5.8	5.8	1	04/01/25	04/01/25 11:50	LL
tert-Butanol (TBA)	ND		ug/kg dry	58.4	58.4	1	04/01/25	04/01/25 11:50	LL
2-Butanone (MEK)	ND		ug/kg dry	11.7	11.7	1	04/01/25	04/01/25 11:50	LL
n-Butylbenzene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
sec-Butylbenzene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
tert-Butylbenzene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Carbon disulfide	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Carbon tetrachloride	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Chlorobenzene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Chloroethane	ND		ug/kg dry	5.8	5.8	1	04/01/25	04/01/25 11:50	LL
Chloroform	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Chloromethane	ND		ug/kg dry	5.8	5.8	1	04/01/25	04/01/25 11:50	LL
2-Chlorotoluene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
4-Chlorotoluene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Dibromochloromethane	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
1,2-Dibromoethane (EDB)	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Dibromomethane	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
1,2-Dichlorobenzene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
1,3-Dichlorobenzene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
1,4-Dichlorobenzene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Dichlorodifluoromethane	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
1,1-Dichloroethane	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
1,2-Dichloroethane	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
1,1-Dichloroethene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL

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Rabecka Koons, Quality Assurance Officer

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Analytical Results

Project: Saddle Creek

Project Number: 047:18315-D:082
Project Manager: Matt Raabe

Reported:
04/03/25 08:56

TP-1

5032706-01 (Soil)
Sampled on: 03/27/25 07:40

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by 5030-GCMS (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
trans-1,2-Dichloroethene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Dichlorofluoromethane	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
1,2-Dichloropropane	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
1,3-Dichloropropane	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
2,2-Dichloropropane	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
1,1-Dichloropropene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
cis-1,3-Dichloropropene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
trans-1,3-Dichloropropene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Diisopropyl ether (DIPE)	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Ethylbenzene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Hexachlorobutadiene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
2-Hexanone	ND		ug/kg dry	11.7	11.7	1	04/01/25	04/01/25 11:50	LL
Isopropylbenzene (Cumene)	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
4-Isopropyltoluene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
4-Methyl-2-pentanone	ND		ug/kg dry	11.7	11.7	1	04/01/25	04/01/25 11:50	LL
Methylene chloride	**23.4**	L	ug/kg dry	23.4	23.4	1	04/01/25	04/01/25 11:50	LL
Naphthalene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
n-Propylbenzene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Styrene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Tetrachloroethene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Toluene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
1,2,3-Trichlorobenzene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
1,2,4-Trichlorobenzene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
1,1,1-Trichloroethane	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
1,1,2-Trichloroethane	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Trichloroethene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
1,2,3-Trichloropropane	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL

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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: 047:18315-D:082
Project Manager: Matt Raabe

Reported:
04/03/25 08:56

TP-1

5032706-01 (Soil)
Sampled on: 03/27/25 07:40

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by 5030-GCMS (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
1,3,5-Trimethylbenzene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Vinyl chloride	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
o-Xylene	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
m- & p-Xylenes	ND		ug/kg dry	5.8	2.3	1	04/01/25	04/01/25 11:50	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*108 %*	*04/01/25*		*04/01/25 11:50*		
Surrogate: Toluene-d8			*75-120*	*97 %*	*04/01/25*		*04/01/25 11:50*		
Surrogate: 4-Bromofluorobenzene			*65-120*	*97 %*	*04/01/25*		*04/01/25 11:50*		
GASOLINE RANGE ORGANICS BY EPA 5030/8015C Prepared by 5030-GC									
Gasoline-Range Organics	ND		mg/kg dry	0.12	0.12	1	03/28/25	03/28/25 12:10	JT
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*100 %*	*03/28/25*		*03/28/25 12:10*		
DIESEL RANGE ORGANICS BY EPA 8015CD Prepared by 3540-GC(Soxhlet)									
Diesel-Range Organics (C10-C28)	ND		mg/kg dry	9.3	9.3	1	03/27/25	03/28/25 16:28	TS
Surrogate: o-Terphenyl			*70-130*	*76 %*	*03/27/25*		*03/28/25 16:28*		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**86**		%			1	03/27/25	03/28/25 11:35	PM

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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: 047:18315-D:082
Project Manager: Matt Raabe

Reported:
04/03/25 08:56

TP-2

5032706-02 (Soil)
Sampled on: 03/27/25 08:00

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by 5030-GCMS									
Acetone	ND		ug/kg dry	12.2	12.2	1	04/01/25	04/01/25 13:10	LL
tert-Amyl alcohol (TAA)	ND		ug/kg dry	60.9	60.9	1	04/01/25	04/01/25 13:10	LL
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Benzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Bromobenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Bromochloromethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Bromodichloromethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Bromoform	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Bromomethane	ND		ug/kg dry	6.1	6.1	1	04/01/25	04/01/25 13:10	LL
tert-Butanol (TBA)	ND		ug/kg dry	60.9	60.9	1	04/01/25	04/01/25 13:10	LL
2-Butanone (MEK)	ND		ug/kg dry	12.2	12.2	1	04/01/25	04/01/25 13:10	LL
n-Butylbenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
sec-Butylbenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
tert-Butylbenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Carbon disulfide	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Carbon tetrachloride	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Chlorobenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Chloroethane	ND		ug/kg dry	6.1	6.1	1	04/01/25	04/01/25 13:10	LL
Chloroform	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Chloromethane	ND		ug/kg dry	6.1	6.1	1	04/01/25	04/01/25 13:10	LL
2-Chlorotoluene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
4-Chlorotoluene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Dibromochloromethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
1,2-Dibromoethane (EDB)	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Dibromomethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
1,2-Dichlorobenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
1,3-Dichlorobenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
1,4-Dichlorobenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Dichlorodifluoromethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
1,1-Dichloroethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
1,2-Dichloroethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
1,1-Dichloroethene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL

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Rabecka Koons, Quality Assurance Officer

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Analytical Results

Project: Saddle Creek

Project Number: 047:18315-D:082
Project Manager: Matt Raabe

Reported:
04/03/25 08:56

TP-2

5032706-02 (Soil)
Sampled on: 03/27/25 08:00

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by 5030-GCMS (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
trans-1,2-Dichloroethene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Dichlorofluoromethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
1,2-Dichloropropane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
1,3-Dichloropropane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
2,2-Dichloropropane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
1,1-Dichloropropene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
cis-1,3-Dichloropropene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
trans-1,3-Dichloropropene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Diisopropyl ether (DIPE)	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Ethylbenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Hexachlorobutadiene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
2-Hexanone	ND		ug/kg dry	12.2	12.2	1	04/01/25	04/01/25 13:10	LL
Isopropylbenzene (Cumene)	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
4-Isopropyltoluene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
4-Methyl-2-pentanone	ND		ug/kg dry	12.2	12.2	1	04/01/25	04/01/25 13:10	LL
Methylene chloride	**25.8**	L	ug/kg dry	24.4	24.4	1	04/01/25	04/01/25 13:10	LL
Naphthalene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
n-Propylbenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Styrene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Tetrachloroethene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Toluene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
1,2,3-Trichlorobenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
1,2,4-Trichlorobenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
1,1,1-Trichloroethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
1,1,2-Trichloroethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Trichloroethene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
1,2,3-Trichloropropane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL

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Baltimore MD 21227
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www.mdspectral.com

Analytical Results

Project: Saddle Creek

Project Number: 047:18315-D:082
Project Manager: Matt Raabe

Reported:
04/03/25 08:56

TP-2

5032706-02 (Soil)
Sampled on: 03/27/25 08:00

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by 5030-GCMS (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
1,3,5-Trimethylbenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Vinyl chloride	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
o-Xylene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
m- & p-Xylenes	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:10	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*108 %*	*04/01/25*		*04/01/25 13:10*		
Surrogate: Toluene-d8			*75-120*	*97 %*	*04/01/25*		*04/01/25 13:10*		
Surrogate: 4-Bromofluorobenzene			*65-120*	*96 %*	*04/01/25*		*04/01/25 13:10*		
GASOLINE RANGE ORGANICS BY EPA 5030/8015C Prepared by 5030-GC									
Gasoline-Range Organics	ND		mg/kg dry	0.12	0.12	1	03/28/25	03/28/25 12:34	JT
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*100 %*	*03/28/25*		*03/28/25 12:34*		
DIESEL RANGE ORGANICS BY EPA 8015CD Prepared by 3540-GC(Soxhlet)									
Diesel-Range Organics (C10-C28)	ND		mg/kg dry	9.7	9.7	1	03/27/25	03/28/25 16:56	TS
Surrogate: o-Terphenyl			*70-130*	*81 %*	*03/27/25*		*03/28/25 16:56*		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**82**		%			1	03/27/25	03/28/25 11:35	PM

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Analytical Results

Project: Saddle Creek

Project Number: 047:18315-D:082
Project Manager: Matt Raabe

Reported:
04/03/25 08:56

TP-3

5032706-03 (Soil)
Sampled on: 03/27/25 08:16

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by 5030-GCMS									
Acetone	ND		ug/kg dry	12.2	12.2	1	04/01/25	04/01/25 13:36	LL
tert-Amyl alcohol (TAA)	ND		ug/kg dry	61.1	61.1	1	04/01/25	04/01/25 13:36	LL
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Benzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Bromobenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Bromochloromethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Bromodichloromethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Bromoform	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Bromomethane	ND		ug/kg dry	6.1	6.1	1	04/01/25	04/01/25 13:36	LL
tert-Butanol (TBA)	ND		ug/kg dry	61.1	61.1	1	04/01/25	04/01/25 13:36	LL
2-Butanone (MEK)	ND		ug/kg dry	12.2	12.2	1	04/01/25	04/01/25 13:36	LL
n-Butylbenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
sec-Butylbenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
tert-Butylbenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Carbon disulfide	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Carbon tetrachloride	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Chlorobenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Chloroethane	ND		ug/kg dry	6.1	6.1	1	04/01/25	04/01/25 13:36	LL
Chloroform	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Chloromethane	ND		ug/kg dry	6.1	6.1	1	04/01/25	04/01/25 13:36	LL
2-Chlorotoluene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
4-Chlorotoluene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Dibromochloromethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
1,2-Dibromoethane (EDB)	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Dibromomethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
1,2-Dichlorobenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
1,3-Dichlorobenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
1,4-Dichlorobenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Dichlorodifluoromethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
1,1-Dichloroethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
1,2-Dichloroethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
1,1-Dichloroethene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL

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Analytical Results

Project: Saddle Creek

Project Number: 047:18315-D:082
Project Manager: Matt Raabe

Reported:
04/03/25 08:56

TP-3

5032706-03 (Soil)
Sampled on: 03/27/25 08:16

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by 5030-GCMS (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
trans-1,2-Dichloroethene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Dichlorofluoromethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
1,2-Dichloropropane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
1,3-Dichloropropane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
2,2-Dichloropropane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
1,1-Dichloropropene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
cis-1,3-Dichloropropene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
trans-1,3-Dichloropropene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Diisopropyl ether (DIPE)	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Ethylbenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Hexachlorobutadiene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
2-Hexanone	ND		ug/kg dry	12.2	12.2	1	04/01/25	04/01/25 13:36	LL
Isopropylbenzene (Cumene)	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
4-Isopropyltoluene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
4-Methyl-2-pentanone	ND		ug/kg dry	12.2	12.2	1	04/01/25	04/01/25 13:36	LL
Methylene chloride	**25.4**	L	ug/kg dry	24.4	24.4	1	04/01/25	04/01/25 13:36	LL
Naphthalene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
n-Propylbenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Styrene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Tetrachloroethene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Toluene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
1,2,3-Trichlorobenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
1,2,4-Trichlorobenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
1,1,1-Trichloroethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
1,1,2-Trichloroethane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Trichloroethene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
1,2,3-Trichloropropane	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL

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Analytical Results

Project: Saddle Creek

Project Number: 047:18315-D:082
Project Manager: Matt Raabe

Reported:
04/03/25 08:56

TP-3

5032706-03 (Soil)
Sampled on: 03/27/25 08:16

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by 5030-GCMS (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
1,3,5-Trimethylbenzene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Vinyl chloride	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
o-Xylene	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
m- & p-Xylenes	ND		ug/kg dry	6.1	2.4	1	04/01/25	04/01/25 13:36	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*107 %*	*04/01/25*		*04/01/25 13:36*		
Surrogate: Toluene-d8			*75-120*	*98 %*	*04/01/25*		*04/01/25 13:36*		
Surrogate: 4-Bromofluorobenzene			*65-120*	*95 %*	*04/01/25*		*04/01/25 13:36*		
GASOLINE RANGE ORGANICS BY EPA 5030/8015C Prepared by 5030-GC									
Gasoline-Range Organics	ND		mg/kg dry	0.12	0.12	1	03/28/25	03/28/25 12:57	JT
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*100 %*	*03/28/25*		*03/28/25 12:57*		
DIESEL RANGE ORGANICS BY EPA 8015CD Prepared by 3540-GC(Soxhlet)									
Diesel-Range Organics (C10-C28)	ND		mg/kg dry	9.8	9.8	1	03/27/25	03/28/25 17:23	TS
Surrogate: o-Terphenyl			*70-130*	*85 %*	*03/27/25*		*03/28/25 17:23*		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**82**		%			1	03/27/25	03/28/25 11:35	PM

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Analytical Results

Project: Saddle Creek

Project Number: 047:18315-D:082
Project Manager: Matt Raabe

Reported:
04/03/25 08:56

TP-4

5032706-04 (Soil)
Sampled on: 03/27/25 08:50

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by 5030-GCMS									
Acetone	ND		ug/kg dry	11.8	11.8	1	04/01/25	04/01/25 14:03	LL
tert-Amyl alcohol (TAA)	ND		ug/kg dry	58.8	58.8	1	04/01/25	04/01/25 14:03	LL
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Benzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Bromobenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Bromochloromethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Bromodichloromethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Bromoform	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Bromomethane	ND		ug/kg dry	5.9	5.9	1	04/01/25	04/01/25 14:03	LL
tert-Butanol (TBA)	ND		ug/kg dry	58.8	58.8	1	04/01/25	04/01/25 14:03	LL
2-Butanone (MEK)	ND		ug/kg dry	11.8	11.8	1	04/01/25	04/01/25 14:03	LL
n-Butylbenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
sec-Butylbenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
tert-Butylbenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Carbon disulfide	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Carbon tetrachloride	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Chlorobenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Chloroethane	ND		ug/kg dry	5.9	5.9	1	04/01/25	04/01/25 14:03	LL
Chloroform	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Chloromethane	ND		ug/kg dry	5.9	5.9	1	04/01/25	04/01/25 14:03	LL
2-Chlorotoluene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
4-Chlorotoluene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Dibromochloromethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
1,2-Dibromoethane (EDB)	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Dibromomethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
1,2-Dichlorobenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
1,3-Dichlorobenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
1,4-Dichlorobenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Dichlorodifluoromethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
1,1-Dichloroethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
1,2-Dichloroethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
1,1-Dichloroethene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL

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Analytical Results

Project: Saddle Creek
Project Number: 047:18315-D:082
Project Manager: Matt Raabe

Reported:
04/03/25 08:56

TP-4

5032706-04 (Soil)
Sampled on: 03/27/25 08:50

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by 5030-GCMS (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
trans-1,2-Dichloroethene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Dichlorofluoromethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
1,2-Dichloropropane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
1,3-Dichloropropane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
2,2-Dichloropropane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
1,1-Dichloropropene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
cis-1,3-Dichloropropene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
trans-1,3-Dichloropropene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Diisopropyl ether (DIPE)	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Ethylbenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Hexachlorobutadiene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
2-Hexanone	ND		ug/kg dry	11.8	11.8	1	04/01/25	04/01/25 14:03	LL
Isopropylbenzene (Cumene)	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
4-Isopropyltoluene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
4-Methyl-2-pentanone	ND		ug/kg dry	11.8	11.8	1	04/01/25	04/01/25 14:03	LL
Methylene chloride	**24.6**	L	ug/kg dry	23.5	23.5	1	04/01/25	04/01/25 14:03	LL
Naphthalene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
n-Propylbenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Styrene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Tetrachloroethene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Toluene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
1,2,3-Trichlorobenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
1,2,4-Trichlorobenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
1,1,1-Trichloroethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
1,1,2-Trichloroethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Trichloroethene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
1,2,3-Trichloropropane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL

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Analytical Results

Project: Saddle Creek

Project Number: 047:18315-D:082
Project Manager: Matt Raabe

Reported:
04/03/25 08:56

TP-4

5032706-04 (Soil)
Sampled on: 03/27/25 08:50

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by 5030-GCMS (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
1,3,5-Trimethylbenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Vinyl chloride	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
o-Xylene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
m- & p-Xylenes	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:03	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*106 %*	*04/01/25*		*04/01/25 14:03*		
Surrogate: Toluene-d8			*75-120*	*97 %*	*04/01/25*		*04/01/25 14:03*		
Surrogate: 4-Bromofluorobenzene			*65-120*	*94 %*	*04/01/25*		*04/01/25 14:03*		
GASOLINE RANGE ORGANICS BY EPA 5030/8015C Prepared by 5030-GC									
Gasoline-Range Organics	ND		mg/kg dry	0.12	0.12	1	03/28/25	03/28/25 13:21	JT
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*100 %*	*03/28/25*		*03/28/25 13:21*		
DIESEL RANGE ORGANICS BY EPA 8015CD Prepared by 3540-GC(Soxhlet)									
Diesel-Range Organics (C10-C28)	ND		mg/kg dry	9.4	9.4	1	03/27/25	03/28/25 17:50	TS
Surrogate: o-Terphenyl			*70-130*	*90 %*	*03/27/25*		*03/28/25 17:50*		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**85**		%			1	03/27/25	03/28/25 11:35	PM

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Analytical Results

Project: Saddle Creek

Project Number: 047:18315-D:082
Project Manager: Matt Raabe

Reported:
04/03/25 08:56

TP-5

5032706-05 (Soil)
Sampled on: 03/27/25 09:10

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by 5030-GCMS									
Acetone	ND		ug/kg dry	11.8	11.8	1	04/01/25	04/01/25 14:29	LL
tert-Amyl alcohol (TAA)	ND		ug/kg dry	58.9	58.9	1	04/01/25	04/01/25 14:29	LL
tert-Amyl methyl ether (TAME)	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Benzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Bromobenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Bromochloromethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Bromodichloromethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Bromoform	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Bromomethane	ND		ug/kg dry	5.9	5.9	1	04/01/25	04/01/25 14:29	LL
tert-Butanol (TBA)	ND		ug/kg dry	58.9	58.9	1	04/01/25	04/01/25 14:29	LL
2-Butanone (MEK)	ND		ug/kg dry	11.8	11.8	1	04/01/25	04/01/25 14:29	LL
n-Butylbenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
sec-Butylbenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
tert-Butylbenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Carbon disulfide	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Carbon tetrachloride	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Chlorobenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Chloroethane	ND		ug/kg dry	5.9	5.9	1	04/01/25	04/01/25 14:29	LL
Chloroform	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Chloromethane	ND		ug/kg dry	5.9	5.9	1	04/01/25	04/01/25 14:29	LL
2-Chlorotoluene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
4-Chlorotoluene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Dibromochloromethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
1,2-Dibromoethane (EDB)	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Dibromomethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
1,2-Dichlorobenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
1,3-Dichlorobenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
1,4-Dichlorobenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Dichlorodifluoromethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
1,1-Dichloroethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
1,2-Dichloroethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
1,1-Dichloroethene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL

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Project: Saddle Creek

Project Number: 047:18315-D:082
Project Manager: Matt Raabe

Reported:
04/03/25 08:56

TP-5

5032706-05 (Soil)
Sampled on: 03/27/25 09:10

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by 5030-GCMS (continued)									
cis-1,2-Dichloroethene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
trans-1,2-Dichloroethene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Dichlorofluoromethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
1,2-Dichloropropane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
1,3-Dichloropropane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
2,2-Dichloropropane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
1,1-Dichloropropene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
cis-1,3-Dichloropropene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
trans-1,3-Dichloropropene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Diisopropyl ether (DIPE)	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Ethylbenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Hexachlorobutadiene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
2-Hexanone	ND		ug/kg dry	11.8	11.8	1	04/01/25	04/01/25 14:29	LL
Isopropylbenzene (Cumene)	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
4-Isopropyltoluene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
4-Methyl-2-pentanone	ND		ug/kg dry	11.8	11.8	1	04/01/25	04/01/25 14:29	LL
Methylene chloride	**27.9**	L	ug/kg dry	23.5	23.5	1	04/01/25	04/01/25 14:29	LL
Naphthalene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
n-Propylbenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Styrene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
1,1,1,2-Tetrachloroethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Tetrachloroethene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Toluene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
1,2,3-Trichlorobenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
1,2,4-Trichlorobenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
1,1,1-Trichloroethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
1,1,2-Trichloroethane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Trichloroethene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Trichlorofluoromethane (Freon 11)	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
1,2,3-Trichloropropane	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL

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Analytical Results

Project: Saddle Creek

Project Number: 047:18315-D:082
Project Manager: Matt Raabe

Reported:
04/03/25 08:56

TP-5

5032706-05 (Soil)
Sampled on: 03/27/25 09:10

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by 5030-GCMS (continued)									
1,2,4-Trimethylbenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
1,3,5-Trimethylbenzene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Vinyl chloride	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
o-Xylene	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
m- & p-Xylenes	ND		ug/kg dry	5.9	2.4	1	04/01/25	04/01/25 14:29	LL
Surrogate: 1,2-Dichloroethane-d4			*70-130*	*109 %*	*04/01/25*		*04/01/25 14:29*		
Surrogate: Toluene-d8			*75-120*	*97 %*	*04/01/25*		*04/01/25 14:29*		
Surrogate: 4-Bromofluorobenzene			*65-120*	*95 %*	*04/01/25*		*04/01/25 14:29*		
GASOLINE RANGE ORGANICS BY EPA 5030/8015C Prepared by 5030-GC									
Gasoline-Range Organics	ND		mg/kg dry	0.12	0.12	1	03/28/25	03/28/25 13:45	JT
Surrogate: a,a,a-Trifluorotoluene [FID]			*85-115*	*100 %*	*03/28/25*		*03/28/25 13:45*		
DIESEL RANGE ORGANICS BY EPA 8015CD Prepared by 3540-GC(Soxhlet)									
Diesel-Range Organics (C10-C28)	ND		mg/kg dry	9.4	9.4	1	03/27/25	03/28/25 18:17	TS
Surrogate: o-Terphenyl			*70-130*	*87 %*	*03/27/25*		*03/28/25 18:17*		
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**85**		%			1	03/27/25	03/28/25 11:35	PM

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Analytical Results

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www.mdspectral.com

Project: Saddle Creek

Project Number: 047:18315-D:082
Project Manager: Matt Raabe

Reported:
04/03/25 08:56

TP-COMP

5032706-06 (Soil)
Sampled on: 03/27/25 10:30

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	93	93	1	03/27/25	03/28/25 18:05	EH
Acenaphthylene	ND		ug/kg dry	93	93	1	03/27/25	03/28/25 18:05	EH
Anthracene	ND		ug/kg dry	93	93	1	03/27/25	03/28/25 18:05	EH
Benzo[a]anthracene	ND		ug/kg dry	93	93	1	03/27/25	03/28/25 18:05	EH
Benzo[b]fluoranthene	ND		ug/kg dry	93	93	1	03/27/25	03/28/25 18:05	EH
Benzo[k]fluoranthene	ND		ug/kg dry	93	93	1	03/27/25	03/28/25 18:05	EH
Benzo[g,h,i]perylene	ND		ug/kg dry	93	93	1	03/27/25	03/28/25 18:05	EH
Benzo[a]pyrene	ND		ug/kg dry	93	93	1	03/27/25	03/28/25 18:05	EH
Chrysene	ND		ug/kg dry	93	93	1	03/27/25	03/28/25 18:05	EH
Dibenz[a,h]anthracene	ND		ug/kg dry	93	93	1	03/27/25	03/28/25 18:05	EH
Fluoranthene	ND		ug/kg dry	93	93	1	03/27/25	03/28/25 18:05	EH
Fluorene	ND		ug/kg dry	93	93	1	03/27/25	03/28/25 18:05	EH
Indeno[1,2,3-cd]pyrene	ND		ug/kg dry	93	93	1	03/27/25	03/28/25 18:05	EH
1-Methylnaphthalene	ND		ug/kg dry	93	93	1	03/27/25	03/28/25 18:05	EH
2-Methylnaphthalene	ND		ug/kg dry	93	93	1	03/27/25	03/28/25 18:05	EH
Naphthalene	ND		ug/kg dry	93	93	1	03/27/25	03/28/25 18:05	EH
Phenanthrene	ND		ug/kg dry	93	93	1	03/27/25	03/28/25 18:05	EH
Pyrene	ND		ug/kg dry	93	93	1	03/27/25	03/28/25 18:05	EH

Surrogate: 2-Fluorophenol	*23-121*	*82 %*	*03/27/25*	*03/28/25 18:05*
Surrogate: Phenol-d5	*24-113*	*88 %*	*03/27/25*	*03/28/25 18:05*
Surrogate: Nitrobenzene-d5	*23-120*	*79 %*	*03/27/25*	*03/28/25 18:05*
Surrogate: 2,4,6-Tribromophenol	*19-122*	*92 %*	*03/27/25*	*03/28/25 18:05*
Surrogate: 2-Fluorobiphenyl	*30-115*	*83 %*	*03/27/25*	*03/28/25 18:05*
Surrogate: Terphenyl-d14	*18-137*	*94 %*	*03/27/25*	*03/28/25 18:05*

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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: 047:18315-D:082
Project Manager: Matt Raabe

Reported:
04/03/25 08:56

TP-COMP

5032706-06 (Soil)
Sampled on: 03/27/25 10:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
PERCENT SOLIDS BY ASTM D2216-05 Prepared by Percent Solids									
Percent Solids	**86**		%			1	03/27/25	03/28/25 11:35	PM
POLYCHLORINATED BIPHENYLS BY EPA 8082A (GC/ECD) Prepared by 3540-GC(Soxhlet) ClPestPCB									
Aroclor-1016	ND		ug/kg dry	46.3	46.3	1	03/27/25	03/28/25 16:42	ARS
Aroclor-1221	ND		ug/kg dry	46.3	46.3	1	03/27/25	03/28/25 16:42	ARS
Aroclor-1232	ND		ug/kg dry	46.3	46.3	1	03/27/25	03/28/25 16:42	ARS
Aroclor-1242	ND		ug/kg dry	46.3	46.3	1	03/27/25	03/28/25 16:42	ARS
Aroclor-1248	ND		ug/kg dry	46.3	46.3	1	03/27/25	03/28/25 16:42	ARS
Aroclor-1254	ND		ug/kg dry	46.3	46.3	1	03/27/25	03/28/25 16:42	ARS
Aroclor-1260	ND		ug/kg dry	46.3	46.3	1	03/27/25	03/28/25 16:42	ARS
Aroclor-1262	ND		ug/kg dry	46.3	46.3	1	03/27/25	03/28/25 16:42	ARS
Aroclor-1268	ND		ug/kg dry	46.3	46.3	1	03/27/25	03/28/25 16:42	ARS
Surrogate: Tetrachloro-m-xylene			*40-150*	*107 %*	*03/27/25*		*03/28/25 16:42*		
Surrogate: Decachlorobiphenyl			*40-150*	*98 %*	*03/27/25*		*03/28/25 16:42*		
Total Metals Analysis by EPA 6020B Prepared by 3050B-Metals Digestion									
Antimony	ND		mg/kg dry	0.289	0.289	1	03/27/25	03/31/25 20:41	AWH
Arsenic	**2.78**		mg/kg dry	0.289	0.289	1	03/27/25	03/31/25 20:41	AWH
Beryllium	ND		mg/kg dry	0.289	0.289	1	03/27/25	03/31/25 20:41	AWH
Cadmium	ND		mg/kg dry	0.289	0.289	1	03/27/25	03/31/25 20:41	AWH
Chromium	**19.3**		mg/kg dry	0.289	0.289	1	03/27/25	03/31/25 20:41	AWH
Copper	**6.59**		mg/kg dry	0.289	0.289	1	03/27/25	03/31/25 20:41	AWH
Lead	**6.50**		mg/kg dry	0.289	0.289	1	03/27/25	03/31/25 20:41	AWH
Mercury	**0.0210**		mg/kg dry	0.0145	0.0145	1	03/27/25	03/31/25 20:41	AWH
Nickel	**6.14**		mg/kg dry	0.289	0.289	1	03/27/25	03/31/25 20:41	AWH
Selenium	**0.958**		mg/kg dry	0.289	0.289	1	03/27/25	03/31/25 20:41	AWH
Silver	ND		mg/kg dry	0.289	0.289	1	03/27/25	03/31/25 20:41	AWH
Thallium	ND		mg/kg dry	0.289	0.289	1	03/27/25	03/31/25 20:41	AWH
Zinc	**16.3**		mg/kg dry	1.45	1.45	1	03/27/25	03/31/25 20:41	AWH

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Analytical Results

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Project: Saddle Creek

Project Number: 047:18315-D:082

Project Manager: Matt Raabe

Reported:

04/03/25 08:56

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

Maryland Spectral Services

Matrix , Method , Analyte

Soil | 8270 (PAH)2ppb | 1-Methylnaphthalene

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Project: Saddle Creek

Project Number: 047:18315-D:082

Project Manager: Matt Raabe

Reported:
04/03/25 08:56

Notes and Definitions

S-98	Spike recovery of this analyte is outside established laboratory control limits. Sample results may exhibit a bias.
S-97	Due to degradation of the spike source material, this analyte was recovered outside the acceptable range.
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.
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 detection 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.

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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

Company Name:	Project Manager:
ECS Baltimore	Matthew Raabe
Project Name:	**Project ID:**
Saddle Creek Drive Property	047:1835-D :082
Sampler(s):	**P.O. Number:**
Matt Raabe	
State of Origin: MD	

Field Sample ID:	Date	Time	DW	NPW	Soil	Other	Grab	Composite	# of containers	VOCs - 8260	TPH DRO - 8015	TPH GRO - 8015	PP Metals - 6020	PAHs - 8270	PCBs - 8082			Preservative	Field Notes	MSS Lab ID
TP - 1	3/27/25	7:40			X		X		1	X	X	X								5032706-01 A
TP - 2	"	8:00			X		X		1	X	X	X								- 02
TP - 3	"	8:16			X		X		1	X	X	X								- 03
TP - 4	"	8:50			X		X		1	X	X	X								- 04
TP - 5	"	9:10			X		X		1	X	X	X								- 05
TP - Comp	"	10:30			X			X	2				X	X	X					- 06

Analysis Requested

Relinquished by: (Signature)	Date /Time	Relinquished by: (Signature)
(Printed) Matthew Raabe	3/27/2025	(Printed)
Relinquished by: (Signature)	Date /Time 11:30 3-27-25	Received by lab: (Signature)
(Printed)		(Printed) Lori Foster

Special Instructions / QC Requirements & Comments:
~~If Hexchrom~~ If total chromium > 30 ppm, speciate for hex chrome

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: 2.9 °C
- ☑ Received on Ice
- ☑ Received Same Day
- ☑ T-41 ☐ T-45

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