



January 7, 2022

Dawson County Board of Commissioners
25 Justice Way, Suite 2220
Dawsonville, Georgia 30534

Attention: Mr. David Headley
DHeadley@dawsoncounty.org

Subject: Limited Subsurface Investigation
Former County Maintenance Facility
Highway 53 West near Creekstone Lane
Dawsonville, Dawson County, Georgia 30534

Dear Mr. Headley,

Mill Creek Environmental, LLC (MCE) has completed a Limited Subsurface Investigation (LSI) for the site referenced above. The purpose of the LSI was to further evaluate the environmental concerns identified in an Environmental Desktop Review completed for the site by MCE on November 11, 2021. The following environmental concerns were identified:

- The historical use of the property as a county maintenance facility beginning in the early 1970s;
- Reported observations of oily soil and a petroleum odor in an area to the west of the maintenance shop formerly used for vehicle maintenance;
- The former presence of underground storage tanks (USTs) containing diesel fuel that were reported to have been removed from the ground in the early 2000s without regulatory agency notification; and
- The presence of a storm shelter that was formerly utilized as a maintenance pit for equipment service and repair.

Work was completed in general accordance with the American Society for Testing and Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process (E1903-19)*.

SCOPE OF WORK

The scope of work included collecting soil and/or groundwater samples from four soil borings for laboratory analysis. Soil samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260D and polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270C. Groundwater was not encountered above sampling equipment refusal depth in any of the soil borings.

LABORATORY ANALYTICAL RESULTS

Soil samples were submitted to Analytical Environmental Services, Inc., (AES) in Atlanta, Georgia for analysis.

Soil

Eight soil samples were collected from four soil borings drilled in exterior locations next to the maintenance shop, former equipment maintenance pit, and in the vehicle and equipment storage yard. No VOCs were detected above laboratory reporting limits in the soil samples submitted for analysis. No PAHs were detected above laboratory reporting limits in the soil samples submitted for analysis.

RECOMMENDATIONS

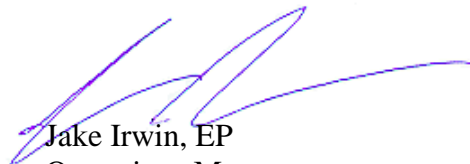
Based on the findings of this LSI, no further investigation activities are recommended at this time.

If you have any questions or need additional information, please contact us at 706-579-1607 or jirwin@millcreekenvironmental.com.

Sincerely,
MILL CREEK ENVIRONMENTAL, LLC



Alex Koslick
Environmental Scientist



Jake Irwin, EP
Operations Manager



Limited Subsurface Investigation

of:

**Former County Maintenance Facility
Highway 53 West near Creekstone Lane
Dawsonville, Dawson County, Georgia 30534**



Prepared for:

**Dawson County Board of Commissioners
25 Justice Way, Suite 2220
Dawsonville, Georgia 30534**

Prepared by:

**Mill Creek Environmental, LLC
4055 Highway 53 East
Dawsonville, Georgia 30534**

MCE Project # DC-2103-2

January 2022



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1 CERTIFICATION

We have completed this assessment in accordance with generally accepted environmental practices and procedures as of the date of this report. We have employed the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental professionals practicing in this area. The conclusions contained within this assessment are based upon site conditions we readily observed or were reasonably ascertainable and present at the time of the site inspection, reasonably ascertainable regulatory information, and reasonably ascertainable historical information.

The scope of this assessment does not purport to encompass every report, record, or other form of documentation relevant to the property being evaluated. To the best of our knowledge, this Limited Subsurface Investigation has been completed in general compliance with ASTM Standard E1903-19 for Phase II Environmental Site Assessments.


We declare that we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site.

Prepared By:



Alex Koslick
Environmental Scientist

Reviewed By:



Stephen V. Johnson, P.G.
Senior Project Manager

2 INTRODUCTION

Mill Creek Environmental LLC (MCE) has completed a Limited Subsurface Investigation (LSI) for the former Dawson County maintenance facility located at Highway 53 West near Creekstone Lane in Dawsonville, Dawson County, Georgia (the “site”). The LSI was completed at the request of Mr. David Headley, Dawson County Manager. The scope of work was completed in general accordance with the American Society for Testing and Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process (E1903-19)*.

2.1 Purpose

The purpose of this investigation was to evaluate whether soil and/or groundwater at the site had been impacted by the historical use of the site as a county maintenance facility.

2.2 Scope of Work

The scope of work for the LSI included the following tasks:

- **TASK 1** - Prior to drilling, MCE contacted Georgia 811 One-Call utilities protection center to locate underground utilities around the site. In addition, MCE retained a private utility locator to locate underground utilities in the proposed work areas. Other utility protection measures included a visual assessment of the work area to avoid potential damage to underground utilities;
- **TASK 2** - Four soil borings were drilled using a GeoProbe and direct-push drilling and sampling methods to collect soil and/or groundwater samples. The soil borings were drilled in locations selected based on the identified environmental concerns, site layout, accessibility, topography, and marked underground utilities. Each of the soil borings was drilled to 30 feet below ground surface (ft bgs), sample equipment refusal, or contact with groundwater, whichever was encountered first;
- **TASK 3** - Continuous soil samples were collected from each soil boring for physical description and screening for volatile organic compounds (VOCs) using a photo-ionization detector (PID) and the headspace method;
- **TASK 4** - Based on PID measurements, physical soil characteristics, and depth, two soil samples were collected from each soil boring for laboratory analysis. Samples were submitted to a certified laboratory and analyzed for VOCs by EPA Method 8260D and polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270C; and
- **TASK 5** - This report was prepared to document the findings of the LSI.

2.3 Limitations

This report and any other information which MCE prepared and submitted to the **Dawson County Board of Commissioners**, (*the user*), in connection with this project (the “Report”), are for the sole use and benefit of the *user* and may not be used or relied upon by any other person or entity without the prior written consent of the *user* and MCE, except as provided for specifically in the agreement. Any such consent given by MCE will be deemed to be and will be subject to the terms and conditions as MCE may reasonably require, including without limitation a monetary limit to MCE’s liability to any person granted such consent (the “Grantee”), and any such Grantee will be deemed to have agreed to such terms and conditions by its use and reliance on the Report. The use or re-use of this document or the findings, conclusions, or recommendations presented herein, by any other party or parties is at the sole risk of said *user*.

MCE and the *user* agree that (1) the information in the Report relates only to the property specifically described in the Report and was presented in accordance with and subject to the scope of work described in the Report or specifically agreed to by MCE and the *user*; (2) the information and conclusions provided in the Report apply only to the site as it existed at the time of MCE’s limited assessment. Should site use or conditions change or should there be changes in applicable laws, standards, or technology, the information and conclusions in the Report may no longer apply; (3) MCE makes no representations regarding the value or marketability of this property or its suitability for any particular use, and none should be inferred based on the Report; (4) the Report is intended to be used in its entirety and no excerpts may be taken to be representative of the findings of this investigation; and (5) environmental land-use issues and constraints of possible relevance (e.g., wetland surveys, sensitive habitats, radon, lead paint, asbestos, etc.) were not included in this scope of services.

3 SITE DESCRIPTION

The site is composed of a 4.4 acres parcel of land identified in the Dawson County Tax Assessor’s database as Parcel ID: 083 001. Tax records identify the property as “Dawson County Annex and Road Department Shop”. The property is currently used as an equipment storage facility by the Dawson County Facilities Maintenance Department.

The western portion of the site is improved with a 2,600 square-foot pole shed used for equipment and materials storage; a 400 square-foot metal building attached to the pole shed containing a 275-gallon IBC container for used oil storage surrounded by a secondary containment; a 300 square-foot pre-fabricated metal building used for storage; a 2,800 square-foot shop building with two roll-up bay doors, office space, with a restroom; and a concrete storm shelter previously used as an equipment maintenance pit. Ground cover on the western portion of the site is asphalt, gravel, and grass.

The eastern portion of the site is at a lower elevation and has a history of use as a vehicle and equipment storage yard. There are currently no buildings on this portion of the site and the eastern

and northern portions remain wooded. Ground cover on the eastern portion of the site is primarily grass with wooded areas to the north and east.

The site location is provided as **Figure 1**. Site layout and analytical results are provided in **Figure 2**.

4 BACKGROUND INFORMATION

MCE completed an Environmental Desktop Review for the site on November 11, 2021. Based upon our observations and information gathered during the desktop review, MCE identified the following environmental concerns:

- The historical use of the site as a county maintenance facility beginning in the early 1970s;
- Reported observations of oily soil and a petroleum odor in an area to the west of the maintenance shop formerly used for vehicle maintenance;
- The former presence of underground storage tanks (USTs) containing diesel fuel that were reported to have been removed from the ground in the early 2000s without regulatory agency notification; and
- The presence of a storm shelter that was formerly utilized as a maintenance pit for equipment service and repair.

MCE recommended completion of a Limited Subsurface Investigation (LSI) to address the presence of these environmental concerns.

5 INVESTIGATION METHODS

On December 20, 2021, a truck-mounted Geoprobe drilling rig was used to drill 2.25-inch diameter soil borings using direct push drilling and sampling methods in four locations (SB-1 through SB-4). All borings were drilled in exterior locations along the northwest and central portions of the site. Continuous soil samples were collected from each soil boring from ground surface to a depths ranging from approximately 5-11 feet below ground surface (bgs), where equipment refusal was encountered. Due to shallow equipment refusals, multiple drilling attempts were made in the selected boring areas. Groundwater was not encountered in any of the soil borings.

5.1 Soil Boring Locations

Soil boring locations were selected based on the locations of the identified environmental concerns, drilling rig accessibility, local topography, inferred groundwater flow direction, and marked underground utilities.

SB-1 This soil boring location was selected to assess soil and groundwater conditions along the west side of the maintenance shop due to reports of oily soil and petroleum odors

noted in the area. Ground cover at this location was gravel. Soil boring SB-1 was drilled to a total depth of 11 ft bgs, where equipment refusal was encountered. Groundwater was not encountered in this boring. Soil sample SB-1-4 (0-6 foot depth) and soil sample SB-1-11 (8-11 foot depth) were collected at this location.

SB-2 This soil boring location was selected to assess soil and groundwater conditions along the east side of the maintenance shop where former diesel USTs were reportedly removed from the ground in the early 2000s. Ground cover at this location was grass. Soil boring SB-2 was drilled to a total depth of 5 ft bgs, where equipment refusal was encountered. Groundwater was not encountered in this boring. Soil sample SB-2-2 (0-2 foot depth) and soil sample SB-2-5 (3-5 foot depth) were collected at this location.

SB-3 This soil boring location was selected to assess soil and groundwater conditions down-gradient of the former maintenance pit and former UST system. Ground cover at this location was grass. Soil boring SB-3 was drilled to a total depth of 11 ft bgs, where equipment refusal was encountered. Groundwater was not encountered in this boring. Soil sample SB-3-4 (0-4 foot depth) and soil sample SB-3-11 (8-11 foot depth) were collected at this location.

SB-4 This soil boring location was selected to assess soil and groundwater conditions near the equipment and vehicle storage area. Ground cover at this location was grass. Soil boring SB-4 was drilled to a total depth of 5 ft bgs, where equipment refusal was encountered. Groundwater was not encountered in this boring. Soil sample SB-4-2 (2-4 foot depth) and soil sample SB-4-5 (3-5 foot depth) were collected at this location.

Soil boring locations are shown on **Figure 2** and soil boring logs are provided in **Appendix A**.

5.2 Soil Sampling Procedures

Continuous soil samples were collected from ground surface to the total depths of the borings for physical description, field screening and laboratory analysis. Soil samples were collected using a 4-foot macro-core sampler with single-use, disposable polyvinyl chloride liners. Continuous samples were screened for VOCs using a MINIRAE photo-ionization detector (PID) and the headspace method. VOCs were not detected above 1.0 parts per million (ppm) in any soil samples. Headspace screening results are included on the boring logs provided in **Appendix A**.

Based on the field screening results, two soil samples were collected from each soil boring and submitted for laboratory analysis. Soil samples were placed into laboratory-provided containers, sealed, labeled, packed on ice, and hand delivered to Analytical Environmental Services (AES) in Atlanta, Georgia under standard chain-of-custody procedures.

Soil samples were analyzed for VOCs by EPA Method 8260D and PAHs by EPA Method 8270C.

5.3 Soil Boring Abandonment

Following completion of soil sampling activities, soil borings were backfilled with bentonite chips to the original grade.

5.4 Sampling Equipment Cleaning

Non-disposable down-hole sampling equipment was cleaned between soil boring locations in accordance with Georgia Environmental Protection Division (EPD) regulations and guidelines.

6 LABORATORY ANALYTICAL RESULTS

The soil samples collected from the site on December 10, 2021 were delivered directly to AES laboratory. All samples arrived undamaged and within the holding time and temperature requirements for each analytical parameter. Laboratory analytical results are summarized below.

6.1 Volatile Organic Compounds

No VOCs were detected at concentrations above laboratory reporting limits in any of the soil samples submitted for analysis.

6.2 Polycyclic Aromatic Hydrocarbons

No PAHs were detected at concentrations above the laboratory reporting limits in any of the soil samples submitted for analysis.

7 FINDINGS AND RECOMMENDATIONS

The findings of this LSI are summarized below:

- Soil borings were drilled in four location at the site and continuous soil samples were collected from each location for physical description, field screening and laboratory analysis;
- Groundwater was not encountered above sampling equipment refusal depth in any of the soil borings. Groundwater samples were not collected for laboratory analysis;
- A total of eight soil samples were analyzed for VOCs and PAHs;
- No VOVs were detected above the laboratory reporting limits in the soil samples submitted for laboratory analysis; and
- No PAHs were detected above the laboratory reporting limits in the soil and groundwater samples submitted for laboratory analysis.

Based on the findings of this LSI, no further investigation activities are recommended at this time.

Figures

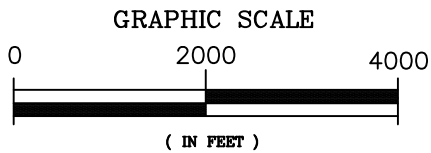
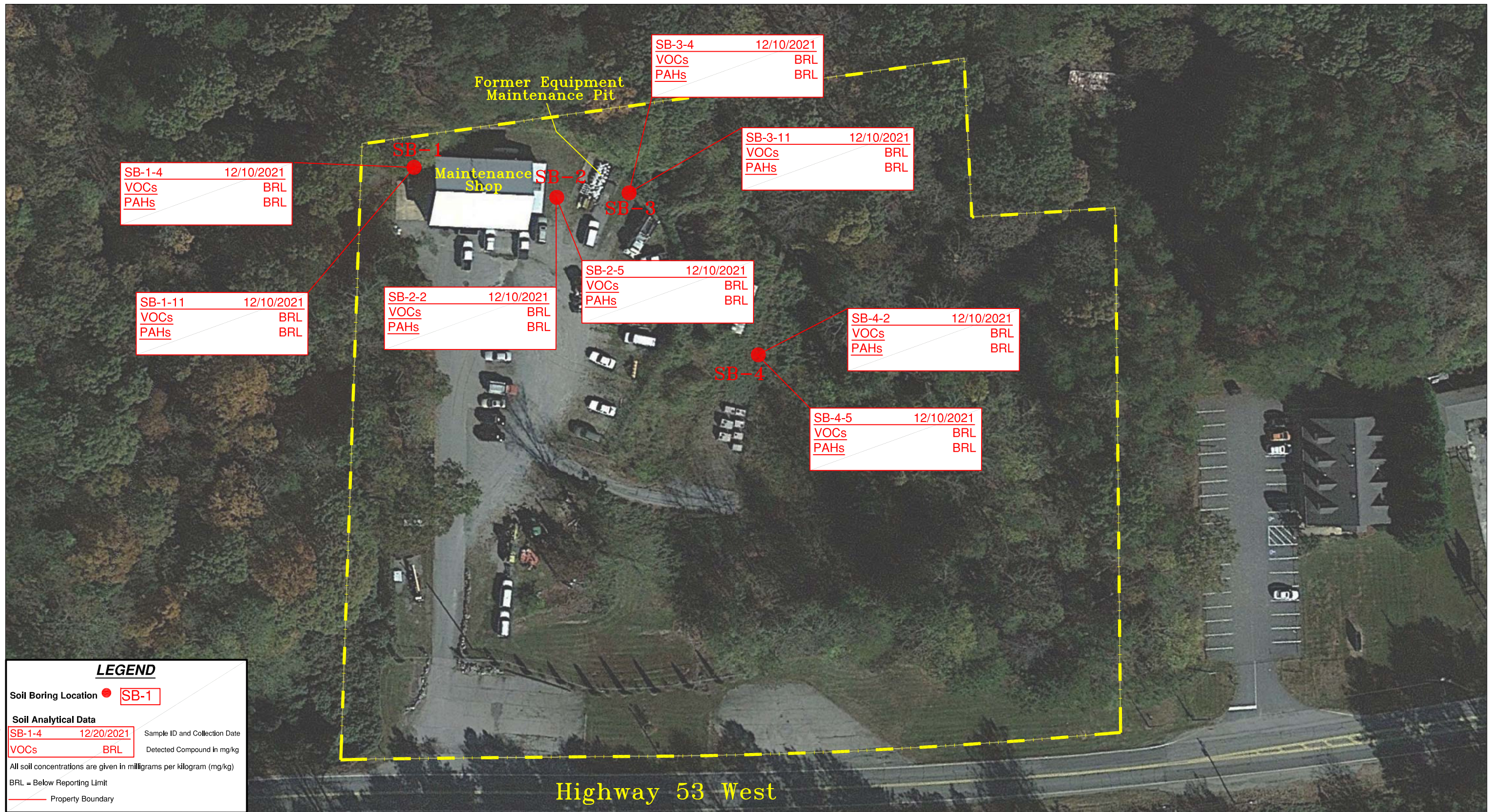


FIGURE 1
SITE VICINITY MAP
Former County Maintenance Facility
Highway 53 West near Creekstone Lane
Dawsonville, Dawson County, Georgia 30534

Source: CalTopo; USGS Dawsonville, GA (1997)
1:24,000, 7.5 Minute Series



SB-3-4 12/10/2021
 VOCs BRL
 PAHs BRL

SB-3-11 12/10/2021
 VOCs BRL
 PAHs BRL

SB-1-4 12/10/2021
 VOCs BRL
 PAHs BRL

SB-1-11 12/10/2021
 VOCs BRL
 PAHs BRL

SB-2-2 12/10/2021
 VOCs BRL
 PAHs BRL

SB-2-5 12/10/2021
 VOCs BRL
 PAHs BRL

SB-4-2 12/10/2021
 VOCs BRL
 PAHs BRL

SB-4-5 12/10/2021
 VOCs BRL
 PAHs BRL



FIGURE 2
SOIL ANALYTICAL RESULTS
 December 20, 2021
 Former County Maintenance Facility
 Highway 53 West near Creekstone Lane
 Dawsonville, Dawson County, Georgia 30534

Appendix A
Soil Boring Logs

LOG OF SOIL BORING



Client: Dawson County BOC	Boring No.: SB-1
Job No.: DC-2103-2	Well Number: N/A
Job Name: Former County Maintenance Facility	Well Depth: N/A
Date Installed: 12/20/2021	Well Diam.: N/A
Installed By: Alex Koslick	Screen Length: N/A
Drilling Company: The Probing Company	Screen Material: N/A
Boring Depth: 11 feet	Slot Size: N/A
Boring Diam.: 2.25	GW Level: N/A
Drilling Method: Direct Push	TOC Elev.: N/A

DEPTH (feet)	SAMPLE INTERVAL (feet)	LITHOLOGIC DESCRIPTION	USCS CLASS	BLOW COUNTS				PID (ppm)	% REC	MONITORING WELL DIAGRAM
				0-6 6"	6-12 12"	12-18 18"	18-24 24"			
		Gravel ground cover								
4	0-5	SANDY CLAY, Red-brown, micaceous, few quartz gravel, slightly plastic, moist	CL					0.3	60	SB-1-4 Collected
	5-8	CLAYEY SAND, Red-brown, micaceous saprolite with sand and silt, dry	SC							
8	8-10	SILTY GRAVEL, Brown and orange, silty, micaceous saprolite with hard platy weathered schist at termination, dry	GM					0.1	60	SB-1-11 Collected
		Equipment Refusal at 11 feet (partially weathered schist)						0.3	40	
12										
16										
20										
24										

Screen Interval:	Locking Cap:
Casing Interval:	Bottom Cap:
Sand Interval:	Type of Cover:
Bentonite Interval:	Water Level at 24 Hours:
Grout Interval:	REMARKS:
Bags Sand:	
Bags Bentonite:	
Bags Cement:	

Installation Observed By: Alex Koslick

LOG OF SOIL BORING



Client: Dawson County BOC	Boring No.: SB-3
Job No.: DC-2103-2	Well Number: N/A
Job Name: Former County Maintenance Facility	Well Depth: N/A
Date Installed: 12/20/2021	Well Diam.: N/A
Installed By: Alex Koslick	Screen Length: N/A
Drilling Company: The Probing Company	Screen Material: N/A
Boring Depth: 11 feet	Slot Size: N/A
Boring Diam.: 2.25	GW Level: N/A
Drilling Method: Direct Push	TOC Elev.: N/A

DEPTH (feet)	SAMPLE INTERVAL (feet)	LITHOLOGIC DESCRIPTION	USCS CLASS	BLOW COUNTS				PID (ppm)	% REC	MONITORING WELL DIAGRAM
				0-6 6"	6-12 12"	12-18 18"	18-24 24"			
		Grass ground cover								
4	0-11	SILTY GRAVEL, Brown, tan and red, sandy, micaceous saprolite with some silt, hard platy weathered schist at termination, dry	GM					0.2	30	SB-3-4 Collected
8								0.8	50	
		Equipment Refusal at 11 feet (partially weathered schist)						1.0	50	SB-3-11 Collected
12										
16										
20										
24										

Screen Interval:	Locking Cap:
Casing Interval:	Bottom Cap:
Sand Interval:	Type of Cover:
Bentonite Interval:	Water Level at 24 Hours:
Grout Interval:	REMARKS:
Bags Sand:	
Bags Bentonite:	
Bags Cement:	

Installation Observed By:	Alex Koslick
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LOG OF SOIL BORING



Client: Dawson County BOC	Boring No.: SB-4
Job No.: DC-2103-2	Well Number: N/A
Job Name: Former County Maintenance Facility	Well Depth: N/A
Date Installed: 12/20/2021	Well Diam.: N/A
Installed By: Alex Koslick	Screen Length: N/A
Drilling Company: The Probing Company	Screen Material: N/A
Boring Depth: 5.75 feet	Slot Size: N/A
Boring Diam.: 2.25	GW Level: N/A
Drilling Method: Direct Push	TOC Elev.: N/A

DEPTH (feet)	SAMPLE INTERVAL (feet)	LITHOLOGIC DESCRIPTION	USCS CLASS	BLOW COUNTS				PID (ppm)	% REC	MONITORING WELL DIAGRAM
				0-6 6"	6-12 12"	12-18 18"	18-24 24"			
		Grass ground cover								
	0-5	SILTY GRAVEL, Red-brown, sandy, micaceous saprolite with some silt, hard platy weathered schist at termination, dry	GM					0.9	50	SB-4-2 Collected
4									0.8	
		Equipment Refusal at 5.75 feet (partially weathered schist)						1.0	30	SB-4-5 Collected
8										
12										
16										
20										
24										

Screen Interval:	Locking Cap:
Casing Interval:	Bottom Cap:
Sand Interval:	Type of Cover:
Bentonite Interval:	Water Level at 24 Hours:
Grout Interval:	REMARKS:
Bags Sand:	
Bags Bentonite:	
Bags Cement:	

Installation Observed By: Alex Koslick

Appendix B
Laboratory Reports



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

December 27, 2021

Alex Koslick
Mill Creek Environmental, LLC
4055 Highway 53 E
Dawsonville GA 30534

RE: Dawson Co. Board of Commissioners

Dear Alex Koslick:

Order No: 2112P88

Analytical Environmental Services, Inc. received 9 samples on 12/20/2021 2:20:00 PM for the analyses presented in following report.

“No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.

AES’s accreditations are as follows:

-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/21-06/30/22.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/22 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/23.

These results relate only to the items tested as received. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Mirzeta Kararic
Project Manager

Chain of Custody Record

Page 1 of 1



Mill Creek Environmental, LLC
 4055 Highway 53 East
 Dawsonville, Georgia 30534
 Phone: 706-579-1607
 Fax: 706-265-4916
 www.millcreekenvironmental.com

Client: Dawson Co. Board of Commissioners	MCE Project #: DC-2103-2
Send Report To: Mill Creek Environmental, LLC 4055 Highway 53 East Dawsonville, GA 30534	
Attn: Alex Koslick	Submitted To: AES
Phone: 704-579-1607	Shipping Method: <u>drop-off</u>
Email: <u>akoslick@millcreekenvironmental.com</u>	Airbill #:
Sampled By: Alex Koslick	Signature: <u>[Signature]</u>
Turnaround Time: () Standard (X) Rush	24 hr. <u>48hr</u> 72 hr.

Analysis Requested

Container volume, preservation, and quantity

2112 P88

Sample ID	Date	Time	Grab (G) Comp. (C)	Matrix	VOCs 8260	PAHs 8270	Container volume, preservation, and quantity			Remarks
							S/M+I	I	M+I	
SB-1-4	12-20-21	0950	G	S	✓	✓	3	2		
SB-1-11	}	1000	G	S	✓	✓	3	2		
SB-2-2		1025	G	S	✓	✓	3	2		
SB-2-5		1032	G	S	✓	✓	3	2		
SB-3-4		1050	G	S	✓	✓	3	2		
SB-3-11		1055	G	S	✓	✓	3	2		
SB-4-2		1125	G	S	✓	✓	3	2		
SB-4-5		1130	G	S	✓	✓	3	2		
Trip Blanks									2	

Matrix Codes: S = Soil SE = Sediment GW = Groundwater SW = Surface Water DW = Drinking Water A = Air
 Preservation Codes: I = Ice Only H+I = HCl + Ice S/M+I = NaHSO₄/MeOH + Ice S+I = H₂SO₄ + Ice N = HNO₃ Na+I = NaOH + Ice Unp = Unpreserved, Ambient

Comments:

check

Relinquished By: <u>Alex Koslick</u>	Date: <u>12-20-21</u>	Time: <u>11:47</u>	Received By: <u>[Signature]</u>	Date: <u>12/20/21</u>	Time: <u>11:47</u>
Relinquished By: <u>[Signature]</u>	Date: <u>12-20-21</u>	Time: <u>14:20</u>	Received By: <u>[Signature]</u>	Date: <u>12-20-21</u>	Time: <u>14:20</u>

Client: Mill Creek Environmental, LLC
Project: Dawson Co. Board of Commissioners
Lab ID: 2112P88

Case Narrative

Volatile Organic Compound Analysis by Method 8260D:

Percent recovery for the internal standard compound 1,4-Dichlorobenzene-d4 on sample 2112P88-003A was outside control limits biased high due to suspected matrix interference. All other internal standard recoveries were within control limits.

Client: Mill Creek Environmental, LLC	Client Sample ID: SB- 1-4
Project Name: Dawson Co. Board of Commissioners	Collection Date: 12/20/2021 9:50:00 AM
Lab ID: 2112P88-001	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D		(SW5035)						
1,1,1-Trichloroethane	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
1,1,2,2-Tetrachloroethane	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
1,1,2-Trichloroethane	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
1,1-Dichloroethane	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
1,1-Dichloroethene	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
1,2,4-Trichlorobenzene	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
1,2-Dibromo-3-chloropropane	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
1,2-Dibromoethane	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
1,2-Dichlorobenzene	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
1,2-Dichloroethane	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
1,2-Dichloropropane	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
1,3-Dichlorobenzene	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
1,4-Dichlorobenzene	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
2-Butanone	BRL	38		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
2-Hexanone	BRL	7.6		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
4-Methyl-2-pentanone	BRL	7.6		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Acetone	BRL	76		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Benzene	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Bromodichloromethane	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Bromoform	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Bromomethane	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Carbon disulfide	BRL	7.6		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Carbon tetrachloride	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Chlorobenzene	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Chloroethane	BRL	7.6		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Chloroform	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Chloromethane	BRL	7.6		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
cis-1,2-Dichloroethene	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
cis-1,3-Dichloropropene	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Cyclohexane	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Dibromochloromethane	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Dichlorodifluoromethane	BRL	7.6		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Ethylbenzene	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Freon-113	BRL	7.6		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Isopropylbenzene	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
m,p-Xylene	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Methyl acetate	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Methyl tert-butyl ether	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Methylcyclohexane	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Methylene chloride	BRL	15		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
o-Xylene	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Styrene	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Tetrachloroethene	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Toluene	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
trans-1,2-Dichloroethene	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Mill Creek Environmental, LLC	Client Sample ID: SB- 1-4
Project Name: Dawson Co. Board of Commissioners	Collection Date: 12/20/2021 9:50:00 AM
Lab ID: 2112P88-001	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D			(SW5035)					
trans-1,3-Dichloropropene	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Trichloroethene	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Trichlorofluoromethane	BRL	3.8		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Vinyl chloride	BRL	7.6		ug/Kg-dry	327907	1	12/21/2021 15:38	RC
Surr: 4-Bromofluorobenzene	91.3	65-124		%REC	327907	1	12/21/2021 15:38	RC
Surr: Dibromofluoromethane	98.1	74.8-123		%REC	327907	1	12/21/2021 15:38	RC
Surr: Toluene-d8	97.7	69.2-128		%REC	327907	1	12/21/2021 15:38	RC
POLYAROMATIC HYDROCARBONS SW8270D			(SW3546)					
Naphthalene	BRL	420		ug/Kg-dry	327788	1	12/21/2021 17:15	TO
Acenaphthylene	BRL	420		ug/Kg-dry	327788	1	12/21/2021 17:15	TO
1-Methylnaphthalene	BRL	420		ug/Kg-dry	327788	1	12/21/2021 17:15	TO
2-Methylnaphthalene	BRL	420		ug/Kg-dry	327788	1	12/21/2021 17:15	TO
Acenaphthene	BRL	420		ug/Kg-dry	327788	1	12/21/2021 17:15	TO
Fluorene	BRL	420		ug/Kg-dry	327788	1	12/21/2021 17:15	TO
Phenanthrene	BRL	420		ug/Kg-dry	327788	1	12/21/2021 17:15	TO
Anthracene	BRL	420		ug/Kg-dry	327788	1	12/21/2021 17:15	TO
Fluoranthene	BRL	420		ug/Kg-dry	327788	1	12/21/2021 17:15	TO
Pyrene	BRL	420		ug/Kg-dry	327788	1	12/21/2021 17:15	TO
Benz(a)anthracene	BRL	420		ug/Kg-dry	327788	1	12/21/2021 17:15	TO
Chrysene	BRL	420		ug/Kg-dry	327788	1	12/21/2021 17:15	TO
Benzo(b)fluoranthene	BRL	420		ug/Kg-dry	327788	1	12/21/2021 17:15	TO
Benzo(k)fluoranthene	BRL	420		ug/Kg-dry	327788	1	12/21/2021 17:15	TO
Benzo(a)pyrene	BRL	420		ug/Kg-dry	327788	1	12/21/2021 17:15	TO
Dibenz(a,h)anthracene	BRL	420		ug/Kg-dry	327788	1	12/21/2021 17:15	TO
Benzo(g,h,i)perylene	BRL	420		ug/Kg-dry	327788	1	12/21/2021 17:15	TO
Indeno(1,2,3-cd)pyrene	BRL	420		ug/Kg-dry	327788	1	12/21/2021 17:15	TO
Surr: 2-Fluorobiphenyl	83.1	51.7-120		%REC	327788	1	12/21/2021 17:15	TO
Surr: 4-Terphenyl-d14	87.1	51.2-117		%REC	327788	1	12/21/2021 17:15	TO
Surr: Nitrobenzene-d5	77.4	51.2-120		%REC	327788	1	12/21/2021 17:15	TO
PERCENT MOISTURE D2216								
Percent Moisture	20.8	0		wt%	R473206	1	12/21/2021 00:00	JW

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Mill Creek Environmental, LLC	Client Sample ID: SB-1-11
Project Name: Dawson Co. Board of Commissioners	Collection Date: 12/20/2021 10:00:00 AM
Lab ID: 2112P88-002	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D		(SW5035)						
1,1,1-Trichloroethane	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
1,1,2,2-Tetrachloroethane	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
1,1,2-Trichloroethane	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
1,1-Dichloroethane	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
1,1-Dichloroethene	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
1,2,4-Trichlorobenzene	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
1,2-Dibromo-3-chloropropane	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
1,2-Dibromoethane	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
1,2-Dichlorobenzene	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
1,2-Dichloroethane	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
1,2-Dichloropropane	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
1,3-Dichlorobenzene	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
1,4-Dichlorobenzene	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
2-Butanone	BRL	43		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
2-Hexanone	BRL	8.5		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
4-Methyl-2-pentanone	BRL	8.5		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Acetone	BRL	85		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Benzene	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Bromodichloromethane	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Bromoform	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Bromomethane	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Carbon disulfide	BRL	8.5		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Carbon tetrachloride	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Chlorobenzene	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Chloroethane	BRL	8.5		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Chloroform	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Chloromethane	BRL	8.5		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
cis-1,2-Dichloroethene	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
cis-1,3-Dichloropropene	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Cyclohexane	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Dibromochloromethane	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Dichlorodifluoromethane	BRL	8.5		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Ethylbenzene	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Freon-113	BRL	8.5		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Isopropylbenzene	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
m,p-Xylene	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Methyl acetate	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Methyl tert-butyl ether	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Methylcyclohexane	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Methylene chloride	BRL	17		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
o-Xylene	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Styrene	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Tetrachloroethene	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Toluene	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
trans-1,2-Dichloroethene	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Mill Creek Environmental, LLC	Client Sample ID: SB-1-11
Project Name: Dawson Co. Board of Commissioners	Collection Date: 12/20/2021 10:00:00 AM
Lab ID: 2112P88-002	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D		(SW5035)						
trans-1,3-Dichloropropene	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Trichloroethene	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Trichlorofluoromethane	BRL	4.3		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Vinyl chloride	BRL	8.5		ug/Kg-dry	327907	1	12/21/2021 16:03	RC
Surr: 4-Bromofluorobenzene	93.9	65-124		%REC	327907	1	12/21/2021 16:03	RC
Surr: Dibromofluoromethane	98.3	74.8-123		%REC	327907	1	12/21/2021 16:03	RC
Surr: Toluene-d8	98.6	69.2-128		%REC	327907	1	12/21/2021 16:03	RC
POLYAROMATIC HYDROCARBONS SW8270D		(SW3546)						
Naphthalene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 17:44	TO
Acenaphthylene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 17:44	TO
1-Methylnaphthalene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 17:44	TO
2-Methylnaphthalene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 17:44	TO
Acenaphthene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 17:44	TO
Fluorene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 17:44	TO
Phenanthrene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 17:44	TO
Anthracene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 17:44	TO
Fluoranthene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 17:44	TO
Pyrene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 17:44	TO
Benz(a)anthracene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 17:44	TO
Chrysene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 17:44	TO
Benzo(b)fluoranthene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 17:44	TO
Benzo(k)fluoranthene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 17:44	TO
Benzo(a)pyrene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 17:44	TO
Dibenz(a,h)anthracene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 17:44	TO
Benzo(g,h,i)perylene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 17:44	TO
Indeno(1,2,3-cd)pyrene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 17:44	TO
Surr: 2-Fluorobiphenyl	88.1	51.7-120		%REC	327788	1	12/21/2021 17:44	TO
Surr: 4-Terphenyl-d14	99.3	51.2-117		%REC	327788	1	12/21/2021 17:44	TO
Surr: Nitrobenzene-d5	84.5	51.2-120		%REC	327788	1	12/21/2021 17:44	TO
PERCENT MOISTURE D2216								
Percent Moisture	12.7	0		wt%	R473206	1	12/21/2021 00:00	JW

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Mill Creek Environmental, LLC
Project Name: Dawson Co. Board of Commissioners
Lab ID: 2112P88-003

Client Sample ID: SB-2-2
Collection Date: 12/20/2021 10:25:00 AM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D		(SW5035)						
1,1,1-Trichloroethane	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
1,1,2,2-Tetrachloroethane	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
1,1,2-Trichloroethane	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
1,1-Dichloroethane	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
1,1-Dichloroethene	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
1,2,4-Trichlorobenzene	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
1,2-Dibromo-3-chloropropane	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
1,2-Dibromoethane	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
1,2-Dichlorobenzene	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
1,2-Dichloroethane	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
1,2-Dichloropropane	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
1,3-Dichlorobenzene	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
1,4-Dichlorobenzene	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
2-Butanone	BRL	35		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
2-Hexanone	BRL	7.0		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
4-Methyl-2-pentanone	BRL	7.0		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Acetone	BRL	70		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Benzene	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Bromodichloromethane	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Bromoform	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Bromomethane	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Carbon disulfide	BRL	7.0		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Carbon tetrachloride	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Chlorobenzene	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Chloroethane	BRL	7.0		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Chloroform	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Chloromethane	BRL	7.0		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
cis-1,2-Dichloroethene	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
cis-1,3-Dichloropropene	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Cyclohexane	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Dibromochloromethane	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Dichlorodifluoromethane	BRL	7.0		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Ethylbenzene	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Freon-113	BRL	7.0		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Isopropylbenzene	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
m,p-Xylene	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Methyl acetate	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Methyl tert-butyl ether	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Methylcyclohexane	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Methylene chloride	BRL	14		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
o-Xylene	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Styrene	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Tetrachloroethene	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Toluene	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
trans-1,2-Dichloroethene	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Mill Creek Environmental, LLC	Client Sample ID: SB-2-2
Project Name: Dawson Co. Board of Commissioners	Collection Date: 12/20/2021 10:25:00 AM
Lab ID: 2112P88-003	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D			(SW5035)					
trans-1,3-Dichloropropene	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Trichloroethene	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Trichlorofluoromethane	BRL	3.5		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Vinyl chloride	BRL	7.0		ug/Kg-dry	327907	1	12/21/2021 16:28	RC
Surr: 4-Bromofluorobenzene	88.2	65-124		%REC	327907	1	12/21/2021 16:28	RC
Surr: Dibromofluoromethane	96.7	74.8-123		%REC	327907	1	12/21/2021 16:28	RC
Surr: Toluene-d8	95.8	69.2-128		%REC	327907	1	12/21/2021 16:28	RC
POLYAROMATIC HYDROCARBONS SW8270D			(SW3546)					
Naphthalene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:13	TO
Acenaphthylene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:13	TO
1-Methylnaphthalene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:13	TO
2-Methylnaphthalene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:13	TO
Acenaphthene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:13	TO
Fluorene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:13	TO
Phenanthrene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:13	TO
Anthracene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:13	TO
Fluoranthene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:13	TO
Pyrene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:13	TO
Benz(a)anthracene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:13	TO
Chrysene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:13	TO
Benzo(b)fluoranthene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:13	TO
Benzo(k)fluoranthene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:13	TO
Benzo(a)pyrene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:13	TO
Dibenz(a,h)anthracene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:13	TO
Benzo(g,h,i)perylene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:13	TO
Indeno(1,2,3-cd)pyrene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:13	TO
Surr: 2-Fluorobiphenyl	87.6	51.7-120		%REC	327788	1	12/21/2021 18:13	TO
Surr: 4-Terphenyl-d14	96.4	51.2-117		%REC	327788	1	12/21/2021 18:13	TO
Surr: Nitrobenzene-d5	82	51.2-120		%REC	327788	1	12/21/2021 18:13	TO
PERCENT MOISTURE D2216								
Percent Moisture	10.3	0		wt%	R473206	1	12/21/2021 00:00	JW

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Mill Creek Environmental, LLC
Project Name: Dawson Co. Board of Commissioners
Lab ID: 2112P88-004

Client Sample ID: SB-2-5
Collection Date: 12/20/2021 10:32:00 AM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D		(SW5035)						
1,1,1-Trichloroethane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
1,1,2,2-Tetrachloroethane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
1,1,2-Trichloroethane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
1,1-Dichloroethane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
1,1-Dichloroethene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
1,2,4-Trichlorobenzene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
1,2-Dibromo-3-chloropropane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
1,2-Dibromoethane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
1,2-Dichlorobenzene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
1,2-Dichloroethane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
1,2-Dichloropropane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
1,3-Dichlorobenzene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
1,4-Dichlorobenzene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
2-Butanone	BRL	47		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
2-Hexanone	BRL	9.4		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
4-Methyl-2-pentanone	BRL	9.4		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Acetone	BRL	94		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Benzene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Bromodichloromethane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Bromoform	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Bromomethane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Carbon disulfide	BRL	9.4		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Carbon tetrachloride	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Chlorobenzene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Chloroethane	BRL	9.4		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Chloroform	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Chloromethane	BRL	9.4		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
cis-1,2-Dichloroethene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
cis-1,3-Dichloropropene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Cyclohexane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Dibromochloromethane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Dichlorodifluoromethane	BRL	9.4		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Ethylbenzene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Freon-113	BRL	9.4		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Isopropylbenzene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
m,p-Xylene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Methyl acetate	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Methyl tert-butyl ether	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Methylcyclohexane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Methylene chloride	BRL	19		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
o-Xylene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Styrene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Tetrachloroethene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Toluene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
trans-1,2-Dichloroethene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Mill Creek Environmental, LLC	Client Sample ID: SB-2-5
Project Name: Dawson Co. Board of Commissioners	Collection Date: 12/20/2021 10:32:00 AM
Lab ID: 2112P88-004	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D		(SW5035)						
trans-1,3-Dichloropropene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Trichloroethene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Trichlorofluoromethane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Vinyl chloride	BRL	9.4		ug/Kg-dry	327907	1	12/21/2021 16:52	RC
Surr: 4-Bromofluorobenzene	94.6	65-124		%REC	327907	1	12/21/2021 16:52	RC
Surr: Dibromofluoromethane	98.1	74.8-123		%REC	327907	1	12/21/2021 16:52	RC
Surr: Toluene-d8	95.5	69.2-128		%REC	327907	1	12/21/2021 16:52	RC
POLYAROMATIC HYDROCARBONS SW8270D		(SW3546)						
Naphthalene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:43	TO
Acenaphthylene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:43	TO
1-Methylnaphthalene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:43	TO
2-Methylnaphthalene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:43	TO
Acenaphthene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:43	TO
Fluorene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:43	TO
Phenanthrene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:43	TO
Anthracene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:43	TO
Fluoranthene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:43	TO
Pyrene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:43	TO
Benz(a)anthracene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:43	TO
Chrysene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:43	TO
Benzo(b)fluoranthene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:43	TO
Benzo(k)fluoranthene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:43	TO
Benzo(a)pyrene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:43	TO
Dibenz(a,h)anthracene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:43	TO
Benzo(g,h,i)perylene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:43	TO
Indeno(1,2,3-cd)pyrene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 18:43	TO
Surr: 2-Fluorobiphenyl	88.8	51.7-120		%REC	327788	1	12/21/2021 18:43	TO
Surr: 4-Terphenyl-d14	97.5	51.2-117		%REC	327788	1	12/21/2021 18:43	TO
Surr: Nitrobenzene-d5	84.2	51.2-120		%REC	327788	1	12/21/2021 18:43	TO
PERCENT MOISTURE D2216								
Percent Moisture	11.9	0		wt%	R473206	1	12/21/2021 00:00	JW

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Mill Creek Environmental, LLC	Client Sample ID: SB-3-4
Project Name: Dawson Co. Board of Commissioners	Collection Date: 12/20/2021 10:50:00 AM
Lab ID: 2112P88-005	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D		(SW5035)						
1,1,1-Trichloroethane	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
1,1,2,2-Tetrachloroethane	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
1,1,2-Trichloroethane	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
1,1-Dichloroethane	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
1,1-Dichloroethene	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
1,2,4-Trichlorobenzene	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
1,2-Dibromo-3-chloropropane	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
1,2-Dibromoethane	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
1,2-Dichlorobenzene	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
1,2-Dichloroethane	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
1,2-Dichloropropane	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
1,3-Dichlorobenzene	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
1,4-Dichlorobenzene	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
2-Butanone	BRL	46		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
2-Hexanone	BRL	9.2		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
4-Methyl-2-pentanone	BRL	9.2		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Acetone	BRL	92		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Benzene	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Bromodichloromethane	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Bromoform	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Bromomethane	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Carbon disulfide	BRL	9.2		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Carbon tetrachloride	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Chlorobenzene	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Chloroethane	BRL	9.2		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Chloroform	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Chloromethane	BRL	9.2		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
cis-1,2-Dichloroethene	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
cis-1,3-Dichloropropene	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Cyclohexane	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Dibromochloromethane	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Dichlorodifluoromethane	BRL	9.2		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Ethylbenzene	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Freon-113	BRL	9.2		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Isopropylbenzene	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
m,p-Xylene	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Methyl acetate	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Methyl tert-butyl ether	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Methylcyclohexane	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Methylene chloride	BRL	18		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
o-Xylene	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Styrene	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Tetrachloroethene	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Toluene	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
trans-1,2-Dichloroethene	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Mill Creek Environmental, LLC	Client Sample ID: SB-3-4
Project Name: Dawson Co. Board of Commissioners	Collection Date: 12/20/2021 10:50:00 AM
Lab ID: 2112P88-005	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D		(SW5035)						
trans-1,3-Dichloropropene	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Trichloroethene	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Trichlorofluoromethane	BRL	4.6		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Vinyl chloride	BRL	9.2		ug/Kg-dry	327907	1	12/21/2021 17:17	RC
Surr: 4-Bromofluorobenzene	90.5	65-124		%REC	327907	1	12/21/2021 17:17	RC
Surr: Dibromofluoromethane	95.3	74.8-123		%REC	327907	1	12/21/2021 17:17	RC
Surr: Toluene-d8	96.4	69.2-128		%REC	327907	1	12/21/2021 17:17	RC
POLYAROMATIC HYDROCARBONS SW8270D		(SW3546)						
Naphthalene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 19:11	TO
Acenaphthylene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 19:11	TO
1-Methylnaphthalene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 19:11	TO
2-Methylnaphthalene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 19:11	TO
Acenaphthene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 19:11	TO
Fluorene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 19:11	TO
Phenanthrene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 19:11	TO
Anthracene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 19:11	TO
Fluoranthene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 19:11	TO
Pyrene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 19:11	TO
Benz(a)anthracene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 19:11	TO
Chrysene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 19:11	TO
Benzo(b)fluoranthene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 19:11	TO
Benzo(k)fluoranthene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 19:11	TO
Benzo(a)pyrene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 19:11	TO
Dibenz(a,h)anthracene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 19:11	TO
Benzo(g,h,i)perylene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 19:11	TO
Indeno(1,2,3-cd)pyrene	BRL	370		ug/Kg-dry	327788	1	12/21/2021 19:11	TO
Surr: 2-Fluorobiphenyl	93.7	51.7-120		%REC	327788	1	12/21/2021 19:11	TO
Surr: 4-Terphenyl-d14	102	51.2-117		%REC	327788	1	12/21/2021 19:11	TO
Surr: Nitrobenzene-d5	87.2	51.2-120		%REC	327788	1	12/21/2021 19:11	TO
PERCENT MOISTURE D2216								
Percent Moisture	11.5	0		wt%	R473206	1	12/21/2021 00:00	JW

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Mill Creek Environmental, LLC
Project Name: Dawson Co. Board of Commissioners
Lab ID: 2112P88-006

Client Sample ID: SB-3-11
Collection Date: 12/20/2021 10:55:00 AM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D		(SW5035)						
1,1,1-Trichloroethane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
1,1,2,2-Tetrachloroethane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
1,1,2-Trichloroethane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
1,1-Dichloroethane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
1,1-Dichloroethene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
1,2,4-Trichlorobenzene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
1,2-Dibromo-3-chloropropane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
1,2-Dibromoethane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
1,2-Dichlorobenzene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
1,2-Dichloroethane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
1,2-Dichloropropane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
1,3-Dichlorobenzene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
1,4-Dichlorobenzene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
2-Butanone	BRL	47		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
2-Hexanone	BRL	9.4		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
4-Methyl-2-pentanone	BRL	9.4		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Acetone	BRL	94		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Benzene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Bromodichloromethane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Bromoform	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Bromomethane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Carbon disulfide	BRL	9.4		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Carbon tetrachloride	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Chlorobenzene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Chloroethane	BRL	9.4		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Chloroform	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Chloromethane	BRL	9.4		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
cis-1,2-Dichloroethene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
cis-1,3-Dichloropropene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Cyclohexane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Dibromochloromethane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Dichlorodifluoromethane	BRL	9.4		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Ethylbenzene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Freon-113	BRL	9.4		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Isopropylbenzene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
m,p-Xylene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Methyl acetate	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Methyl tert-butyl ether	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Methylcyclohexane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Methylene chloride	BRL	19		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
o-Xylene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Styrene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Tetrachloroethene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Toluene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
trans-1,2-Dichloroethene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Mill Creek Environmental, LLC	Client Sample ID: SB-3-11
Project Name: Dawson Co. Board of Commissioners	Collection Date: 12/20/2021 10:55:00 AM
Lab ID: 2112P88-006	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D			(SW5035)					
trans-1,3-Dichloropropene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Trichloroethene	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Trichlorofluoromethane	BRL	4.7		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Vinyl chloride	BRL	9.4		ug/Kg-dry	327907	1	12/21/2021 17:41	RC
Surr: 4-Bromofluorobenzene	93.7	65-124		%REC	327907	1	12/21/2021 17:41	RC
Surr: Dibromofluoromethane	93.9	74.8-123		%REC	327907	1	12/21/2021 17:41	RC
Surr: Toluene-d8	95.1	69.2-128		%REC	327907	1	12/21/2021 17:41	RC
POLYAROMATIC HYDROCARBONS SW8270D			(SW3546)					
Naphthalene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 19:39	TO
Acenaphthylene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 19:39	TO
1-Methylnaphthalene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 19:39	TO
2-Methylnaphthalene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 19:39	TO
Acenaphthene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 19:39	TO
Fluorene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 19:39	TO
Phenanthrene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 19:39	TO
Anthracene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 19:39	TO
Fluoranthene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 19:39	TO
Pyrene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 19:39	TO
Benz(a)anthracene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 19:39	TO
Chrysene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 19:39	TO
Benzo(b)fluoranthene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 19:39	TO
Benzo(k)fluoranthene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 19:39	TO
Benzo(a)pyrene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 19:39	TO
Dibenz(a,h)anthracene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 19:39	TO
Benzo(g,h,i)perylene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 19:39	TO
Indeno(1,2,3-cd)pyrene	BRL	380		ug/Kg-dry	327788	1	12/21/2021 19:39	TO
Surr: 2-Fluorobiphenyl	91.1	51.7-120		%REC	327788	1	12/21/2021 19:39	TO
Surr: 4-Terphenyl-d14	99.7	51.2-117		%REC	327788	1	12/21/2021 19:39	TO
Surr: Nitrobenzene-d5	85.3	51.2-120		%REC	327788	1	12/21/2021 19:39	TO
PERCENT MOISTURE D2216								
Percent Moisture	12.3	0		wt%	R473206	1	12/21/2021 00:00	JW

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Mill Creek Environmental, LLC	Client Sample ID: SB-4-2
Project Name: Dawson Co. Board of Commissioners	Collection Date: 12/20/2021 11:25:00 AM
Lab ID: 2112P88-007	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D		(SW5035)						
1,1,1-Trichloroethane	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
1,1,2,2-Tetrachloroethane	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
1,1,2-Trichloroethane	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
1,1-Dichloroethane	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
1,1-Dichloroethene	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
1,2,4-Trichlorobenzene	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
1,2-Dibromo-3-chloropropane	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
1,2-Dibromoethane	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
1,2-Dichlorobenzene	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
1,2-Dichloroethane	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
1,2-Dichloropropane	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
1,3-Dichlorobenzene	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
1,4-Dichlorobenzene	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
2-Butanone	BRL	40		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
2-Hexanone	BRL	7.9		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
4-Methyl-2-pentanone	BRL	7.9		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Acetone	BRL	79		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Benzene	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Bromodichloromethane	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Bromoform	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Bromomethane	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Carbon disulfide	BRL	7.9		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Carbon tetrachloride	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Chlorobenzene	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Chloroethane	BRL	7.9		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Chloroform	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Chloromethane	BRL	7.9		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
cis-1,2-Dichloroethene	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
cis-1,3-Dichloropropene	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Cyclohexane	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Dibromochloromethane	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Dichlorodifluoromethane	BRL	7.9		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Ethylbenzene	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Freon-113	BRL	7.9		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Isopropylbenzene	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
m,p-Xylene	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Methyl acetate	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Methyl tert-butyl ether	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Methylcyclohexane	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Methylene chloride	BRL	16		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
o-Xylene	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Styrene	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Tetrachloroethene	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Toluene	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
trans-1,2-Dichloroethene	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Mill Creek Environmental, LLC	Client Sample ID: SB-4-2
Project Name: Dawson Co. Board of Commissioners	Collection Date: 12/20/2021 11:25:00 AM
Lab ID: 2112P88-007	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D			(SW5035)					
trans-1,3-Dichloropropene	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Trichloroethene	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Trichlorofluoromethane	BRL	4.0		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Vinyl chloride	BRL	7.9		ug/Kg-dry	327907	1	12/21/2021 18:06	RC
Surr: 4-Bromofluorobenzene	100	65-124		%REC	327907	1	12/21/2021 18:06	RC
Surr: Dibromofluoromethane	107	74.8-123		%REC	327907	1	12/21/2021 18:06	RC
Surr: Toluene-d8	99.4	69.2-128		%REC	327907	1	12/21/2021 18:06	RC
POLYAROMATIC HYDROCARBONS SW8270D			(SW3546)					
Naphthalene	BRL	360		ug/Kg-dry	327788	1	12/21/2021 20:07	TO
Acenaphthylene	BRL	360		ug/Kg-dry	327788	1	12/21/2021 20:07	TO
1-Methylnaphthalene	BRL	360		ug/Kg-dry	327788	1	12/21/2021 20:07	TO
2-Methylnaphthalene	BRL	360		ug/Kg-dry	327788	1	12/21/2021 20:07	TO
Acenaphthene	BRL	360		ug/Kg-dry	327788	1	12/21/2021 20:07	TO
Fluorene	BRL	360		ug/Kg-dry	327788	1	12/21/2021 20:07	TO
Phenanthrene	BRL	360		ug/Kg-dry	327788	1	12/21/2021 20:07	TO
Anthracene	BRL	360		ug/Kg-dry	327788	1	12/21/2021 20:07	TO
Fluoranthene	BRL	360		ug/Kg-dry	327788	1	12/21/2021 20:07	TO
Pyrene	BRL	360		ug/Kg-dry	327788	1	12/21/2021 20:07	TO
Benz(a)anthracene	BRL	360		ug/Kg-dry	327788	1	12/21/2021 20:07	TO
Chrysene	BRL	360		ug/Kg-dry	327788	1	12/21/2021 20:07	TO
Benzo(b)fluoranthene	BRL	360		ug/Kg-dry	327788	1	12/21/2021 20:07	TO
Benzo(k)fluoranthene	BRL	360		ug/Kg-dry	327788	1	12/21/2021 20:07	TO
Benzo(a)pyrene	BRL	360		ug/Kg-dry	327788	1	12/21/2021 20:07	TO
Dibenz(a,h)anthracene	BRL	360		ug/Kg-dry	327788	1	12/21/2021 20:07	TO
Benzo(g,h,i)perylene	BRL	360		ug/Kg-dry	327788	1	12/21/2021 20:07	TO
Indeno(1,2,3-cd)pyrene	BRL	360		ug/Kg-dry	327788	1	12/21/2021 20:07	TO
Surr: 2-Fluorobiphenyl	96.9	51.7-120		%REC	327788	1	12/21/2021 20:07	TO
Surr: 4-Terphenyl-d14	104	51.2-117		%REC	327788	1	12/21/2021 20:07	TO
Surr: Nitrobenzene-d5	87.9	51.2-120		%REC	327788	1	12/21/2021 20:07	TO
PERCENT MOISTURE D2216								
Percent Moisture	8.19	0		wt%	R473206	1	12/21/2021 00:00	JW

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Mill Creek Environmental, LLC
Project Name: Dawson Co. Board of Commissioners
Lab ID: 2112P88-008

Client Sample ID: SB-4-5
Collection Date: 12/20/2021 11:30:00 AM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D		(SW5035)						
1,1,1-Trichloroethane	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
1,1,2,2-Tetrachloroethane	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
1,1,2-Trichloroethane	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
1,1-Dichloroethane	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
1,1-Dichloroethene	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
1,2,4-Trichlorobenzene	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
1,2-Dibromo-3-chloropropane	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
1,2-Dibromoethane	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
1,2-Dichlorobenzene	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
1,2-Dichloroethane	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
1,2-Dichloropropane	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
1,3-Dichlorobenzene	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
1,4-Dichlorobenzene	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
2-Butanone	BRL	39		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
2-Hexanone	BRL	7.7		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
4-Methyl-2-pentanone	BRL	7.7		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Acetone	BRL	77		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Benzene	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Bromodichloromethane	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Bromoform	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Bromomethane	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Carbon disulfide	BRL	7.7		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Carbon tetrachloride	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Chlorobenzene	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Chloroethane	BRL	7.7		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Chloroform	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Chloromethane	BRL	7.7		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
cis-1,2-Dichloroethene	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
cis-1,3-Dichloropropene	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Cyclohexane	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Dibromochloromethane	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Dichlorodifluoromethane	BRL	7.7		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Ethylbenzene	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Freon-113	BRL	7.7		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Isopropylbenzene	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
m,p-Xylene	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Methyl acetate	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Methyl tert-butyl ether	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Methylcyclohexane	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Methylene chloride	BRL	15		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
o-Xylene	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Styrene	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Tetrachloroethene	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Toluene	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
trans-1,2-Dichloroethene	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Mill Creek Environmental, LLC
Project Name: Dawson Co. Board of Commissioners
Lab ID: 2112P88-008

Client Sample ID: SB-4-5
Collection Date: 12/20/2021 11:30:00 AM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D			(SW5035)					
trans-1,3-Dichloropropene	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Trichloroethene	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Trichlorofluoromethane	BRL	3.9		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Vinyl chloride	BRL	7.7		ug/Kg-dry	327907	1	12/21/2021 18:31	RC
Surr: 4-Bromofluorobenzene	90.9	65-124		%REC	327907	1	12/21/2021 18:31	RC
Surr: Dibromofluoromethane	98.7	74.8-123		%REC	327907	1	12/21/2021 18:31	RC
Surr: Toluene-d8	97.9	69.2-128		%REC	327907	1	12/21/2021 18:31	RC
POLYAROMATIC HYDROCARBONS SW8270D			(SW3546)					
Naphthalene	BRL	350		ug/Kg-dry	327788	1	12/21/2021 20:34	TO
Acenaphthylene	BRL	350		ug/Kg-dry	327788	1	12/21/2021 20:34	TO
1-Methylnaphthalene	BRL	350		ug/Kg-dry	327788	1	12/21/2021 20:34	TO
2-Methylnaphthalene	BRL	350		ug/Kg-dry	327788	1	12/21/2021 20:34	TO
Acenaphthene	BRL	350		ug/Kg-dry	327788	1	12/21/2021 20:34	TO
Fluorene	BRL	350		ug/Kg-dry	327788	1	12/21/2021 20:34	TO
Phenanthrene	BRL	350		ug/Kg-dry	327788	1	12/21/2021 20:34	TO
Anthracene	BRL	350		ug/Kg-dry	327788	1	12/21/2021 20:34	TO
Fluoranthene	BRL	350		ug/Kg-dry	327788	1	12/21/2021 20:34	TO
Pyrene	BRL	350		ug/Kg-dry	327788	1	12/21/2021 20:34	TO
Benz(a)anthracene	BRL	350		ug/Kg-dry	327788	1	12/21/2021 20:34	TO
Chrysene	BRL	350		ug/Kg-dry	327788	1	12/21/2021 20:34	TO
Benzo(b)fluoranthene	BRL	350		ug/Kg-dry	327788	1	12/21/2021 20:34	TO
Benzo(k)fluoranthene	BRL	350		ug/Kg-dry	327788	1	12/21/2021 20:34	TO
Benzo(a)pyrene	BRL	350		ug/Kg-dry	327788	1	12/21/2021 20:34	TO
Dibenz(a,h)anthracene	BRL	350		ug/Kg-dry	327788	1	12/21/2021 20:34	TO
Benzo(g,h,i)perylene	BRL	350		ug/Kg-dry	327788	1	12/21/2021 20:34	TO
Indeno(1,2,3-cd)pyrene	BRL	350		ug/Kg-dry	327788	1	12/21/2021 20:34	TO
Surr: 2-Fluorobiphenyl	90.2	51.7-120		%REC	327788	1	12/21/2021 20:34	TO
Surr: 4-Terphenyl-d14	99.8	51.2-117		%REC	327788	1	12/21/2021 20:34	TO
Surr: Nitrobenzene-d5	83	51.2-120		%REC	327788	1	12/21/2021 20:34	TO
PERCENT MOISTURE D2216								
Percent Moisture	4.44	0		wt%	R473206	1	12/21/2021 00:00	JW

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Mill Creek Environmental, LLC
Project Name: Dawson Co. Board of Commissioners
Lab ID: 2112P88-009

Client Sample ID: TRIP BLANK
Collection Date: 12/20/2021
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D					(SW5030B)			
1,1,1-Trichloroethane	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
1,1,2-Trichloroethane	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
1,1-Dichloroethane	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
1,1-Dichloroethene	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
1,2-Dibromoethane	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
1,2-Dichlorobenzene	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
1,2-Dichloroethane	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
1,2-Dichloropropane	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
1,3-Dichlorobenzene	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
1,4-Dichlorobenzene	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
2-Butanone	BRL	50		ug/L	327805	1	12/21/2021 10:38	AV
2-Hexanone	BRL	10		ug/L	327805	1	12/21/2021 10:38	AV
4-Methyl-2-pentanone	BRL	10		ug/L	327805	1	12/21/2021 10:38	AV
Acetone	BRL	50		ug/L	327805	1	12/21/2021 10:38	AV
Benzene	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
Bromodichloromethane	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
Bromoform	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
Bromomethane	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
Carbon disulfide	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
Carbon tetrachloride	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
Chlorobenzene	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
Chloroethane	BRL	10		ug/L	327805	1	12/21/2021 10:38	AV
Chloroform	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
Chloromethane	BRL	10		ug/L	327805	1	12/21/2021 10:38	AV
cis-1,2-Dichloroethene	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
cis-1,3-Dichloropropene	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
Cyclohexane	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
Dibromochloromethane	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
Dichlorodifluoromethane	BRL	10		ug/L	327805	1	12/21/2021 10:38	AV
Ethylbenzene	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
Freon-113	BRL	10		ug/L	327805	1	12/21/2021 10:38	AV
Isopropylbenzene	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
m,p-Xylene	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
Methyl acetate	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
Methyl tert-butyl ether	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
Methylcyclohexane	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
Methylene chloride	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
o-Xylene	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
Styrene	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
Tetrachloroethene	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
Toluene	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
trans-1,2-Dichloroethene	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client:	Mill Creek Environmental, LLC	Client Sample ID:	TRIP BLANK
Project Name:	Dawson Co. Board of Commisioners	Collection Date:	12/20/2021
Lab ID:	2112P88-009	Matrix:	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D								
					(SW5030B)			
trans-1,3-Dichloropropene	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
Trichloroethene	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
Trichlorofluoromethane	BRL	5.0		ug/L	327805	1	12/21/2021 10:38	AV
Vinyl chloride	BRL	2.0		ug/L	327805	1	12/21/2021 10:38	AV
Surr: 4-Bromofluorobenzene	104	74.9-127		%REC	327805	1	12/21/2021 10:38	AV
Surr: Dibromofluoromethane	106	78.9-121		%REC	327805	1	12/21/2021 10:38	AV
Surr: Toluene-d8	98.2	81.5-120		%REC	327805	1	12/21/2021 10:38	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: Mill Creek Environmental, LLC

AES Work Order Number: 2112P88

2. Carrier: FedEx UPS USPS Client Courier Other _____

	Yes	No	N/A	Details	Comments
3. Shipping container/cooler received in good condition?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	damaged <input type="checkbox"/> leaking <input type="checkbox"/> other <input type="checkbox"/>	
4. Custody seals present on shipping container?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
5. Custody seals intact on shipping container?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
6. Temperature blanks present?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
7. Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Cooling initiated for recently collected samples / ice present <input type="checkbox"/>	
8. Chain of Custody (COC) present?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
9. Chain of Custody signed, dated, and timed when relinquished and received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
10. Sampler name and/or signature on COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
11. Were all samples received within holding time?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
12. TAT marked on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. <input type="checkbox"/>	

13. Cooler 1 Temperature 3.9 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). CP 12/20/2021

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
26. Were trip blanks submitted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	listed on COC <input checked="" type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: _____

This section only applies to samples where pH can be checked at Sample Receipt. I certify that I have completed sections 16-27 (dated initials). CD 12/20/21

	Yes	No	N/A	Details	Comments
28. Have containers needing chemical preservation been checked? *	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
29. Containers meet preservation guidelines?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
30. Was pH adjusted at Sample Receipt?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH. I certify that I have completed sections 28-30 (dated initials). CD 12/20/21
 This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

Locked

Client: Mill Creek Environmental, LLC
Project Name: Dawson Co. Board of Commisioners
Workorder: 2112P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 327788

Sample ID: MB-327788	Client ID:	Units: ug/Kg	Prep Date: 12/20/2021	Run No: 473156							
Sample Type: MBLK	TestCode: POLYAROMATIC HYDROCARBONS SW8270D	BatchID: 327788	Analysis Date: 12/21/2021	Seq No: 10906244							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1-Methylnaphthalene	BRL	330									
2-Methylnaphthalene	BRL	330									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Anthracene	BRL	330									
Benz(a)anthracene	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(g,h,i)perylene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Chrysene	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Naphthalene	BRL	330									
Phenanthrene	BRL	330									
Pyrene	BRL	330									
Surr: 2-Fluorobiphenyl	1475	0	1667		88.5	51.7	120				
Surr: 4-Terphenyl-d14	1797	0	1667		108	51.2	117				
Surr: Nitrobenzene-d5	1487	0	1667		89.2	51.2	120				

Sample ID: LCS-327788	Client ID:	Units: ug/Kg	Prep Date: 12/20/2021	Run No: 473156							
Sample Type: LCS	TestCode: POLYAROMATIC HYDROCARBONS SW8270D	BatchID: 327788	Analysis Date: 12/21/2021	Seq No: 10906245							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1-Methylnaphthalene	1593	330	1667		95.6	64.7	120				
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Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Mill Creek Environmental, LLC
Project Name: Dawson Co. Board of Commissioners
Workorder: 2112P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 327788

Sample ID: LCS-327788	Client ID:	Units: ug/Kg	Prep Date: 12/20/2021	Run No: 473156							
SampleType: LCS	TestCode: POLYAROMATIC HYDROCARBONS SW8270D	BatchID: 327788	Analysis Date: 12/21/2021	Seq No: 10906245							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2-Methylnaphthalene	1525	330	1667		91.5	63.9	120				
Acenaphthene	1480	330	1667		88.8	62.1	120				
Acenaphthylene	1642	330	1667		98.5	62.3	120				
Anthracene	1582	330	1667		94.9	66.3	120				
Benz(a)anthracene	1806	330	1667		108	65.4	120				
Benzo(a)pyrene	1695	330	1667		102	67	120				
Benzo(b)fluoranthene	1574	330	1667		94.4	64.8	120				
Benzo(g,h,i)perylene	1483	330	1667		89.0	65	120				
Benzo(k)fluoranthene	1557	330	1667		93.4	67.3	120				
Chrysene	1552	330	1667		93.1	64.5	120				
Dibenz(a,h)anthracene	1596	330	1667		95.8	65.7	120				
Fluoranthene	1661	330	1667		99.6	68.2	120				
Fluorene	1616	330	1667		97.0	65.5	120				
Indeno(1,2,3-cd)pyrene	1604	330	1667		96.2	65.3	120				
Naphthalene	1437	330	1667		86.2	61.1	120				
Phenanthrene	1540	330	1667		92.4	65.8	120				
Pyrene	1606	330	1667		96.3	63	120				
Surr: 2-Fluorobiphenyl	1512	0	1667		90.7	51.7	120				
Surr: 4-Terphenyl-d14	1632	0	1667		97.9	51.2	117				
Surr: Nitrobenzene-d5	1493	0	1667		89.6	51.2	120				

Sample ID: 2112P88-004BMS	Client ID: SB-2-5	Units: ug/Kg-dry	Prep Date: 12/20/2021	Run No: 473360							
SampleType: MS	TestCode: POLYAROMATIC HYDROCARBONS SW8270D	BatchID: 327788	Analysis Date: 12/21/2021	Seq No: 10906350							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1-Methylnaphthalene	2078	370	1892		110	41.8	120				
2-Methylnaphthalene	1945	370	1892		103	42.5	120				
Acenaphthene	1863	370	1892		98.4	44	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Mill Creek Environmental, LLC
Project Name: Dawson Co. Board of Commissioners
Workorder: 2112P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 327788

Sample ID: 2112P88-004BMS	Client ID: SB-2-5	Units: ug/Kg-dry	Prep Date: 12/20/2021	Run No: 473360							
SampleType: MS	TestCode: POLYAROMATIC HYDROCARBONS SW8270D	BatchID: 327788	Analysis Date: 12/21/2021	Seq No: 10906350							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acenaphthylene	2026	370	1892		107	41.9	120				
Anthracene	1992	370	1892		105	47.7	120				
Benz(a)anthracene	2241	370	1892		118	45.5	120				
Benzo(a)pyrene	2072	370	1892		109	43.6	120				
Benzo(b)fluoranthene	1898	370	1892		100	40.2	120				
Benzo(g,h,i)perylene	1668	370	1892		88.1	42.7	120				
Benzo(k)fluoranthene	1924	370	1892		102	42.8	120				
Chrysene	1947	370	1892		103	46.2	120				
Dibenz(a,h)anthracene	1842	370	1892		97.3	43.3	120				
Fluoranthene	2085	370	1892		110	45.3	120				
Fluorene	1990	370	1892		105	44.9	120				
Indeno(1,2,3-cd)pyrene	1532	370	1892		81.0	43.3	120				
Naphthalene	1832	370	1892		96.8	43	120				
Phenanthrene	1947	370	1892		103	44.6	120				
Pyrene	1985	370	1892		105	44.3	120				
Surr: 2-Fluorobiphenyl	1836	0	1892		97.0	51.7	120				
Surr: 4-Terphenyl-d14	2029	0	1892		107	51.2	117				
Surr: Nitrobenzene-d5	1768	0	1892		93.4	51.2	120				

Sample ID: 2112P88-004BMSD	Client ID: SB-2-5	Units: ug/Kg-dry	Prep Date: 12/20/2021	Run No: 473360							
SampleType: MSD	TestCode: POLYAROMATIC HYDROCARBONS SW8270D	BatchID: 327788	Analysis Date: 12/21/2021	Seq No: 10906351							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1-Methylnaphthalene	2065	420	2105		98.1	41.8	120	2078	0.658	27.2	
2-Methylnaphthalene	1970	420	2105		93.6	42.5	120	1945	1.27	27.8	
Acenaphthene	1916	420	2105		91.0	44	120	1863	2.81	29.7	
Acenaphthylene	2106	420	2105		100	41.9	120	2026	3.90	23.7	
Anthracene	2069	420	2105		98.3	47.7	120	1992	3.77	23	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Mill Creek Environmental, LLC
Project Name: Dawson Co. Board of Commissioners
Workorder: 2112P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 327788

Sample ID: 2112P88-004BMSD	Client ID: SB-2-5	Units: ug/Kg-dry	Prep Date: 12/20/2021	Run No: 473360
SampleType: MSD	TestCode: POLYAROMATIC HYDROCARBONS SW8270D	BatchID: 327788	Analysis Date: 12/21/2021	Seq No: 10906351

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benz(a)anthracene	2396	420	2105		114	45.5	120	2241	6.70	24.6	
Benzo(a)pyrene	2227	420	2105		106	43.6	120	2072	7.22	23.1	
Benzo(b)fluoranthene	2098	420	2105		99.7	40.2	120	1898	10.00	24.9	
Benzo(g,h,i)perylene	1760	420	2105		83.6	42.7	120	1668	5.36	23.1	
Benzo(k)fluoranthene	1994	420	2105		94.8	42.8	120	1924	3.60	23.6	
Chrysene	2059	420	2105		97.8	46.2	120	1947	5.58	24.6	
Dibenz(a,h)anthracene	1935	420	2105		91.9	43.3	120	1842	4.92	23.6	
Fluoranthene	2197	420	2105		104	45.3	120	2085	5.26	26.1	
Fluorene	2086	420	2105		99.1	44.9	120	1990	4.71	32.8	
Indeno(1,2,3-cd)pyrene	1628	420	2105		77.4	43.3	120	1532	6.08	23.3	
Naphthalene	1853	420	2105		88.0	43	120	1832	1.14	23.4	
Phenanthrene	2032	420	2105		96.5	44.6	120	1947	4.27	25	
Pyrene	2093	420	2105		99.4	44.3	120	1985	5.28	27.6	
Surr: 2-Fluorobiphenyl	1903	0	2105		90.4	51.7	120	1836	0	0	
Surr: 4-Terphenyl-d14	2162	0	2105		103	51.2	117	2029	0	0	
Surr: Nitrobenzene-d5	1812	0	2105		86.1	51.2	120	1768	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Mill Creek Environmental, LLC
Project Name: Dawson Co. Board of Commissioners
Workorder: 2112P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 327805

Sample ID: MB-327805	Client ID:	Units: ug/L	Prep Date: 12/20/2021	Run No: 473220							
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260D	BatchID: 327805	Analysis Date: 12/20/2021	Seq No: 10902268							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Mill Creek Environmental, LLC
Project Name: Dawson Co. Board of Commissioners
Workorder: 2112P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 327805

Sample ID: MB-327805	Client ID:	Units: ug/L	Prep Date: 12/20/2021	Run No: 473220							
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260D	BatchID: 327805	Analysis Date: 12/20/2021	Seq No: 10902268							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	50.92	0	50.00		102	74.9	127				
Surr: Dibromofluoromethane	50.82	0	50.00		102	78.9	121				
Surr: Toluene-d8	49.79	0	50.00		99.6	81.5	120				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Mill Creek Environmental, LLC
Project Name: Dawson Co. Board of Commissioners
Workorder: 2112P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 327805

Sample ID: LCS-327805	Client ID:	Units: ug/L	Prep Date: 12/20/2021	Run No: 473220							
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260D	BatchID: 327805	Analysis Date: 12/20/2021	Seq No: 10902269							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	19.54	5.0	20.00		97.7	67.3	134				
Benzene	19.29	5.0	20.00		96.4	78.6	124				
Chlorobenzene	18.88	5.0	20.00		94.4	78.9	127				
Toluene	19.57	5.0	20.00		97.8	77.7	125				
Trichloroethene	18.47	5.0	20.00		92.4	77	130				
Surr: 4-Bromofluorobenzene	52.10	0	50.00		104	74.9	127				
Surr: Dibromofluoromethane	51.35	0	50.00		103	78.9	121				
Surr: Toluene-d8	50.59	0	50.00		101	81.5	120				

Sample ID: 2112N65-001AMS	Client ID:	Units: ug/L	Prep Date: 12/20/2021	Run No: 473220							
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260D	BatchID: 327805	Analysis Date: 12/20/2021	Seq No: 10902283							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	20.04	5.0	20.00		100	67.6	143				
Benzene	23.32	5.0	20.00		117	70.5	136				
Chlorobenzene	22.65	5.0	20.00		113	77.1	133				
Toluene	23.55	5.0	20.00		118	66.4	140				
Trichloroethene	22.86	5.0	20.00		114	75.1	140				
Surr: 4-Bromofluorobenzene	47.59	0	50.00		95.2	74.9	127				
Surr: Dibromofluoromethane	47.17	0	50.00		94.3	78.9	121				
Surr: Toluene-d8	50.31	0	50.00		101	81.5	120				

Sample ID: 2112N65-001AMSD	Client ID:	Units: ug/L	Prep Date: 12/20/2021	Run No: 473220							
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260D	BatchID: 327805	Analysis Date: 12/20/2021	Seq No: 10902284							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	18.97	5.0	20.00		94.8	67.6	143	20.04	5.49	19.6	
Benzene	23.06	5.0	20.00		115	70.5	136	23.32	1.12	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Mill Creek Environmental, LLC
Project Name: Dawson Co. Board of Commisioners
Workorder: 2112P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 327805

Sample ID: 2112N65-001AMSD	Client ID:	Units: ug/L	Prep Date: 12/20/2021	Run No: 473220							
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260D	BatchID: 327805	Analysis Date: 12/20/2021	Seq No: 10902284							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chlorobenzene	22.52	5.0	20.00		113	77.1	133	22.65	0.576	20	
Toluene	23.42	5.0	20.00		117	66.4	140	23.55	0.554	20	
Trichloroethene	22.31	5.0	20.00		112	75.1	140	22.86	2.44	20	
Surr: 4-Bromofluorobenzene	46.47	0	50.00		92.9	74.9	127	47.59	0	0	
Surr: Dibromofluoromethane	46.03	0	50.00		92.1	78.9	121	47.17	0	0	
Surr: Toluene-d8	50.37	0	50.00		101	81.5	120	50.31	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Mill Creek Environmental, LLC
Project Name: Dawson Co. Board of Commissioners
Workorder: 2112P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 327907

Sample ID: MB-327907	Client ID:	Units: ug/Kg	Prep Date: 12/21/2021	Run No: 473359							
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260D	BatchID: 327907	Analysis Date: 12/21/2021	Seq No: 10906213							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	100									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	10									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Mill Creek Environmental, LLC
Project Name: Dawson Co. Board of Commissioners
Workorder: 2112P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 327907

Sample ID: MB-327907	Client ID:	Units: ug/Kg	Prep Date: 12/21/2021	Run No: 473359							
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260D	BatchID: 327907	Analysis Date: 12/21/2021	Seq No: 10906213							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	20									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	10									
Surr: 4-Bromofluorobenzene	45.76	0	50.00		91.5	65	124				
Surr: Dibromofluoromethane	47.45	0	50.00		94.9	74.8	123				
Surr: Toluene-d8	47.82	0	50.00		95.6	69.2	128				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Mill Creek Environmental, LLC
Project Name: Dawson Co. Board of Commissioners
Workorder: 2112P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 327907

Sample ID: LCS-327907	Client ID:	Units: ug/Kg	Prep Date: 12/21/2021	Run No: 473359							
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260D	BatchID: 327907	Analysis Date: 12/21/2021	Seq No: 10906214							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	58.89	5.0	50.00		118	64	137				
Benzene	54.37	5.0	50.00		109	70	130				
Chlorobenzene	52.12	5.0	50.00		104	70	130				
Toluene	54.57	5.0	50.00		109	70	130				
Trichloroethene	50.15	5.0	50.00		100	75.4	129				
Surr: 4-Bromofluorobenzene	52.13	0	50.00		104	65	124				
Surr: Dibromofluoromethane	48.02	0	50.00		96.0	74.8	123				
Surr: Toluene-d8	50.36	0	50.00		101	69.2	128				

Sample ID: 2112P88-001AMS	Client ID: SB- 1-4	Units: ug/Kg-dry	Prep Date: 12/21/2021	Run No: 473359							
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260D	BatchID: 327907	Analysis Date: 12/21/2021	Seq No: 10906247							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	35.49	3.9	38.55		92.1	60	138				
Benzene	34.19	3.9	38.55		88.7	63.5	137				
Chlorobenzene	33.82	3.9	38.55		87.7	64.7	133				
Toluene	34.96	3.9	38.55		90.7	61.8	137				
Trichloroethene	31.62	3.9	38.55		82.0	62.1	138				
Surr: 4-Bromofluorobenzene	40.06	0	38.55		104	65	124				
Surr: Dibromofluoromethane	37.60	0	38.55		97.5	74.8	123				
Surr: Toluene-d8	38.74	0	38.55		100	69.2	128				

Sample ID: 2112P88-002ADUP	Client ID: SB-1-11	Units: ug/Kg-dry	Prep Date: 12/21/2021	Run No: 473359							
SampleType: DUP	TestCode: TCL VOLATILE ORGANICS SW8260D	BatchID: 327907	Analysis Date: 12/22/2021	Seq No: 10908718							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	BRL	4.2						0	0	20	
1,1,2,2-Tetrachloroethane	BRL	4.2						0	0	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Mill Creek Environmental, LLC
Project Name: Dawson Co. Board of Commissioners
Workorder: 2112P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 327907

Sample ID: 2112P88-002ADUP	Client ID: SB-1-11	Units: ug/Kg-dry	Prep Date: 12/21/2021	Run No: 473359
SampleType: DUP	TestCode: TCL VOLATILE ORGANICS SW8260D	BatchID: 327907	Analysis Date: 12/22/2021	Seq No: 10908718

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,2-Trichloroethane	BRL	4.2						0	0	20	
1,1-Dichloroethane	BRL	4.2						0	0	20	
1,1-Dichloroethene	BRL	4.2						0	0	20	
1,2,4-Trichlorobenzene	BRL	4.2						0	0	20	
1,2-Dibromo-3-chloropropane	BRL	4.2						0	0	20	
1,2-Dibromoethane	BRL	4.2						0	0	20	
1,2-Dichlorobenzene	BRL	4.2						0	0	20	
1,2-Dichloroethane	BRL	4.2						0	0	20	
1,2-Dichloropropane	BRL	4.2						0	0	20	
1,3-Dichlorobenzene	BRL	4.2						0	0	20	
1,4-Dichlorobenzene	BRL	4.2						0	0	20	
2-Butanone	BRL	42						0	0	20	
2-Hexanone	BRL	8.3						0	0	20	
4-Methyl-2-pentanone	BRL	8.3						0	0	20	
Acetone	BRL	83						0	0	20	
Benzene	BRL	4.2						0	0	20	
Bromodichloromethane	BRL	4.2						0	0	20	
Bromoform	BRL	4.2						0	0	20	
Bromomethane	BRL	4.2						0	0	20	
Carbon disulfide	BRL	8.3						0	0	20	
Carbon tetrachloride	BRL	4.2						0	0	20	
Chlorobenzene	BRL	4.2						0	0	20	
Chloroethane	BRL	8.3						0	0	20	
Chloroform	BRL	4.2						0	0	20	
Chloromethane	BRL	8.3						0	0	20	
cis-1,2-Dichloroethene	BRL	4.2						0	0	20	
cis-1,3-Dichloropropene	BRL	4.2						0	0	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Mill Creek Environmental, LLC
Project Name: Dawson Co. Board of Commissioners
Workorder: 2112P88

ANALYTICAL QC SUMMARY REPORT

BatchID: 327907

Sample ID: 2112P88-002ADUP	Client ID: SB-1-11	Units: ug/Kg-dry	Prep Date: 12/21/2021	Run No: 473359
SampleType: DUP	TestCode: TCL VOLATILE ORGANICS SW8260D	BatchID: 327907	Analysis Date: 12/22/2021	Seq No: 10908718

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cyclohexane	BRL	4.2						0	0	20	
Dibromochloromethane	BRL	4.2						0	0	20	
Dichlorodifluoromethane	BRL	8.3						0	0	20	
Ethylbenzene	BRL	4.2						0	0	20	
Freon-113	BRL	8.3						0	0	20	
Isopropylbenzene	BRL	4.2						0	0	20	
m,p-Xylene	BRL	4.2						0	0	20	
Methyl acetate	BRL	4.2						0	0	20	
Methyl tert-butyl ether	BRL	4.2						0	0	20	
Methylcyclohexane	BRL	4.2						0	0	20	
Methylene chloride	BRL	17						0	0	20	
o-Xylene	BRL	4.2						0	0	20	
Styrene	BRL	4.2						0	0	20	
Tetrachloroethene	BRL	4.2						0	0	20	
Toluene	BRL	4.2						0	0	20	
trans-1,2-Dichloroethene	BRL	4.2						0	0	20	
trans-1,3-Dichloropropene	BRL	4.2						0	0	20	
Trichloroethene	BRL	4.2						0	0	20	
Trichlorofluoromethane	BRL	4.2						0	0	20	
Vinyl chloride	BRL	8.3						0	0	20	
Surr: 4-Bromofluorobenzene	37.58	0	41.75		90.0	65	124	40.02	0	0	
Surr: Dibromofluoromethane	40.64	0	41.75		97.3	74.8	123	41.88	0	0	
Surr: Toluene-d8	40.34	0	41.75		96.6	69.2	128	42.03	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
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End of Report