CONFIRMATION SOIL SAMPLING REPORT

Facility Name: Mustang Compressor Station
Facility Number: 472836
Initial Form 27 Number: 403949769
NE 1/4, NE 1/4, Section 12, Township 3N, Range 65W
40.245341, -104.606344
Weld County, Colorado

Prepared for:

Annette Garrigues
Rocky Mountain Midstream, LLC
13781 Pacific Circle
Mead, Colorado 80542

January 9, 2025

Prepared by:

Apex Companies, LLC
1746 Cole Blvd., Suite 250
Lakewood, CO 80401

Prepared by:

Adam Varns
Assistant Project Manager

Reviewed by:

Skyler Bruno
Project Manager

APEX

TABLE OF CONTENTS

Attachments

1.0 INTRODUCTION

On behalf of Rocky Mountain Midstream, LLC (RMM), Apex Companies, LLC (Apex) has prepared this Confirmation Soil Sampling Report for the Mustang Compressor Station (Site), located in the northeast quarter of the northeast quarter of Section 12, Township 3N, Range 65W in Weld County, Colorado (**Figure 1**).

2.0 GENERAL SITE INFORMATION

The site is in an agricultural area, northwest of the intersection of Weld County Road (WCR) 49 and WCR 34.5 in Platteville, Colorado. It is currently operating as the Mustang Compressor Station.

2.1 *Initial Release and Spill Response*

Based on the initial Form 27 report submitted to the Colorado Energy and Carbon Management Commission (ECMC, form number 403949769), a fire occurred on March 2, 2020 at the pigging launcher and receiver while the system was being depressurized. Approximately 3,000 cubic feet of natural gas was combusted and any potential material spilled to the ground is believed to have been incinerated.

Impacted soils were excavated by RMM and disposed of offsite (Republic Services, Tower Road Landfill, Commerce City, Colorado). An area of approximately 120 feet by 60 feet, and 2-3 feet in depth was excavated around the release location. The excavation was then backfilled with clean fill dirt. No additional records of disposal or laboratory analytical reports have been identified from that time frame. RMM estimates 500 cubic yards of soil were removed, based on the limited information available and statements from employees onsite for the spill response and remediation activities.

2.2 *Soil Sampling*

On November 15, 2024, Apex collected 10 soil samples via hand auger within the former excavation footprint, located at and around the release point (**Figure 2**). The sampling occurred to confirm impacted soil was fully excavated, and to determine if additional remediation is required. All samples were taken between 2.0 and 3.5 feet below ground surface (bgs), underneath the fill material of the excavation. Prior to sample collection, soils were field screened for volatile organic compounds (VOCs) using a handheld photo-ionization detector (PID). No elevated PID readings were observed during soil sample collection, except from the sample collected from MU09 at 1.0-1.5 feet bgs (**Table 1**). The surface stain was determined not to be associated with the 2020 release, and was managed separately from this event.

During soil sample collection, a portion of the sample was placed in a baggie or soil jar for head-space analysis and the other portion was placed within a soil jar for laboratory submittal. A laboratory sample was not collected from soil used for head-space analysis. Soil samples were placed into laboratory-supplied Terra Core Sampling Kit, labeled, and immediately placed in a chilled cooler. The samples were shipped to ALS Environmental in Holland, Michigan, for laboratory analysis of Total Petroleum Hydrocarbons (TPH) (C6-C36) and Table 915-1 Organic Compounds in Soil. Soil samples submitted for laboratory analysis were reported below values for Residential Soil Screening Levels (RSLs), as well as the Protection of Groundwater Soil Screening levels (PGWS) except for the following detections:

- Benzene exceeded the RSL of 1.2 milligrams per kilogram (mg/kg) in sample MU09 from 3.0 to 3.5 feet bgs.
- Toluene exceeded the PGWS level of 0.69 mg/kg in sample MU09 from 3.0 to 3.5 feet bgs.
- Potential hydrogen (pH) was detected outside of the RSL acceptable pH range of 6 to 8.3 in the samples collected from MU01, MU02, MU04, MU05, MU06, MU07, MU09, and MU10.

All lab analyses are included in **Table 2** and can be found in the attached laboratory report at the end of this report.

3.0 INVESTIGATION CONCLUSIONS

Laboratory results from the confirmation soil samples collected on November 15, 2024, indicate past remediation efforts to remove impacted soils associated with the March 2, 2020, release at the Mustang Compressor Station were successful. The contaminant concentrations of benzene and toluene reported above the regulatory limits in the sample collected at 3.0-3.5 feet bgs from boring MU09 appear to be associated with surface staining noticed at the time of the sampling event. All other soil samples had contaminant concentrations below regulatory action levels.

ATTACHMENTS

APEX

Figure 1 - Site Location
Mustang Compressor Station
Facility Number: 472836
40.245341, -104.606344,
Weld County, Colorado

APEX

Figure 2 - Soil Sample Locations
Mustang Compressor Station
Facility Number: 37367
Soil Samples Collected on November 15, 2024

MU01 - Soil sample location name
3.0'-3.5' - Soil sample depth, in feet
0.4 ppm - Volatile organic compounds (VOC), in parts per million (ppm)

Legend
- Soil Sample Locations

N

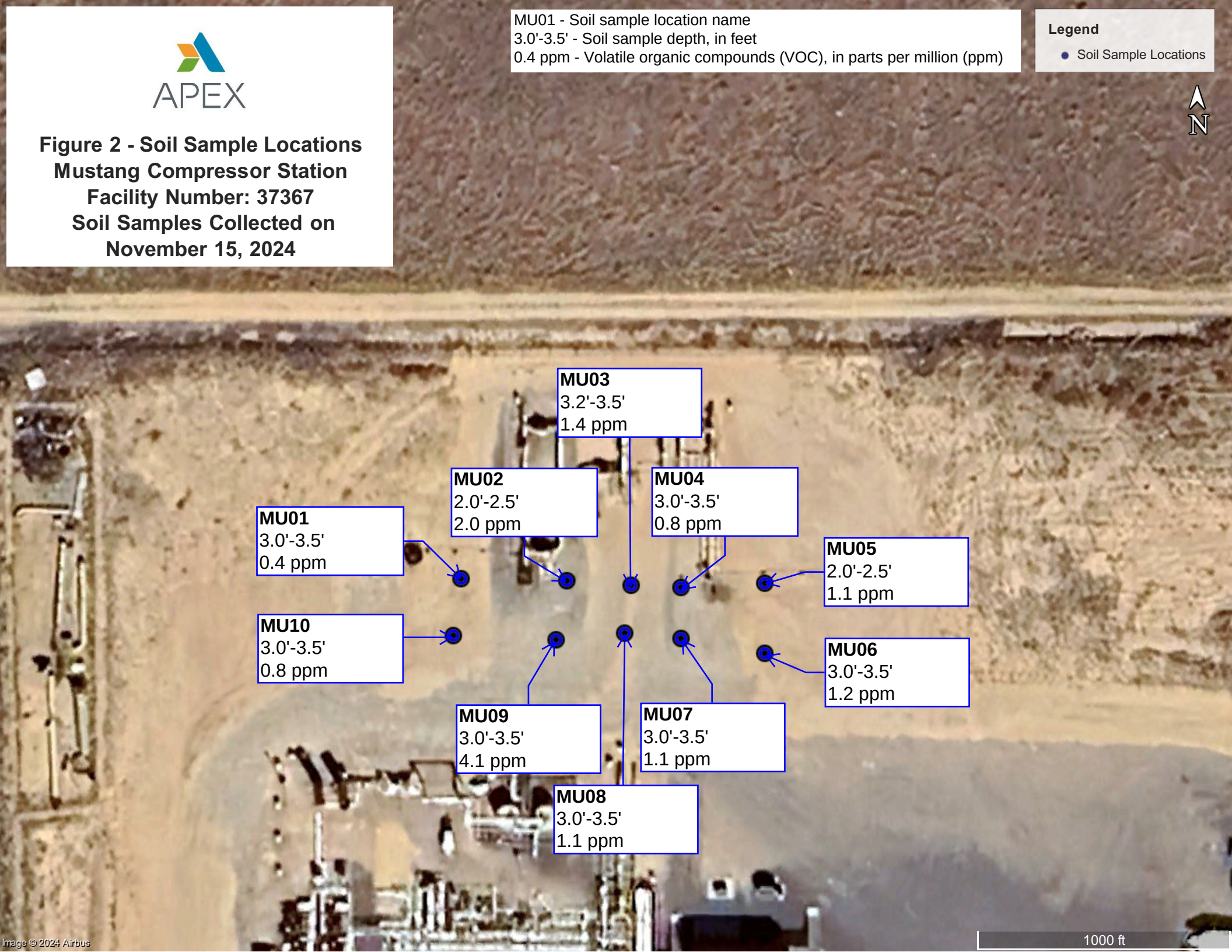

Table 1 - PID Field Measurements, November 15, 2024

Sample Date	Soil Sample Location	Sample Depth PID Results (ppm)		
		1.0'-1.5' bgs	2.0'-2.5' bgs	3.0'-3.5' bgs
11/15/2024	MU01	0.0	0.2	0.4
11/15/2024	MU02	0.0	2.0	1.4
11/15/2024	MU03	1.0	1.3	1.4
11/15/2024	MU04	0.5	0.5	0.8
11/15/2024	MU05	0.1	1.1	0.6
11/15/2024	MU06	0.9	1.1	1.2
11/15/2024	MU07	0.5	1.0	1.1
11/15/2024	MU08	1.0	1.0	1.1
11/15/2024	MU09	349.0	2.0	4.1
11/15/2024	MU10	0.7	0.7	0.8

Legend:

Samples submitted to ALS for analysis

PID - Photoionization Detector

ppm - parts per million

bgs - below ground surface

Table 2 - Soil Analytical Results

				Organic Compounds in Soils (mg/kg)												
ECMC Residential Soil Screening Levels -->				500		1.2	490	5.8	58	30	27	360	1800	1.1	1.1	11
Protection of Groundwater Levels (Soil) -->						0.0026(M)	0.69(M)	0.78(M)	9.9(M)	0.0081(R)	0.0087(R)	0.55(R)	5.8(R)	0.011(R)	0.3(R)	2.9(R)
Sample Date	Solid/Soil Source [Vault/Sump, Spill, Pit, Cuttings, Background, Tank Battery, Wellhead, Flowline, etc.]	Sample ID	PID (ppm)	TPH-GRO (C6-C10) Low Fraction	TPH-DRO (C10-C36) High Fraction	Benzene	Toluene	Ethylbenzene	Xylenes (sum of o-, m- and p-isomers = total xylenes)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene
11/15/2024	Excavation	MU01@3.0'-3.5'	0.4	<6.200	6.2J	<0.00056	<0.0019	<0.00094	<0.0037	<0.0020	<0.0017	<0.0017	<0.0008	<0.0032	<0.0026	<0.00066
11/15/2024	Excavation	MU02@2.0'-2.5'	2	<5.300	<2.7	<0.00054	<0.0018	<0.00091	<0.0036	<0.0019	<0.0017	<0.0017	<0.00079	<0.0031	<0.0026	<0.00065
11/15/2024	Excavation	MU03@3.2'-3.5'	1.4	<5.500	4.4J	<0.00028	<0.00095	<0.00048	<0.00186	<0.00098	<0.00088	<0.0018	<0.00083	<0.0033	<0.0028	<0.00069
11/15/2024	Excavation	MU04@3.0'-3.5'	0.8	<5.800	3.6J	<0.00062	<0.0021	<0.0010	<0.0040	<0.0022	<0.0019	<0.0017	<0.00081	<0.0032	<0.0027	<0.00066
11/15/2024	Excavation	MU05@2.0'-2.5'	1.1	<5.700	20J	<0.00060	<0.0020	<0.0010	<0.0039	<0.0021	<0.0018	<0.0017	<0.00081	<0.0032	<0.0027	<0.00066
11/15/2024	Excavation	MU06@3.0'-3.5'	1.2	<5.700	<2.8	<0.00062	<0.0021	<0.0010	<0.0040	<0.0022	<0.0019	<0.0017	<0.00081	<0.0032	<0.0027	<0.00066
11/15/2024	Excavation	MU07@3.0'-3.5'	1.1	<6.300	<2.9	<0.00055	<0.0018	<0.00091	<0.0036	<0.0019	<0.0017	<0.0017	<0.00083	<0.0033	<0.0027	<0.00068
11/15/2024	Excavation	MU08@3.0'-3.5'	1.1	<5.800	<2.9	<0.00068	<0.0023	<0.0011	<0.0045	<0.0024	<0.0021	<0.0017	<0.00083	<0.0033	<0.0027	<0.00068
11/15/2024	Excavation	MU09@3.0'-3.5'	4.1	<6.400	7.7J	4.2J	2.9J	<0.00095	<0.0037	<0.0020	<0.0018	<0.0017	<0.00080	<0.0032	<0.0027	<0.00066
11/15/2024	Excavation	MU10@3.0'-3.5'	0.8	<5.900	<2.7	<0.00063	<0.0021	<0.0011	<0.0042	<0.0022	<0.0019	<0.0016	<0.00078	<0.0031	<0.0026	<0.00064

Legend:

ECMC - Colorado Energy and Carbon Management Commission

Orange Highlight - ECMC Table 915-1 TPH, BTEX, organic, metal exceedance

Light Blue Highlight - exceedance of protection of groundwater soil screening level concentrations risk based (R) or MCL based (M)

Yellow Highlight - ECMC Table 915-1 inorganic exceedance

Grey Highlight - below laboratory detection limit

TPH-GRO - Total Petroleum Hydrocarbons Gasoline Range Organics

TPH-DRO - Total Petroleum Hydrocarbons Diesel Range Organics

MCL - maximum contaminant level

PID - Photoionization Detector

ppm - parts per million

mg/kg - milligrams per kilogram

mg/L - milligrams per liter

mmhos/cm - millimhos per centimeter

J - analyte is present at an estimated concentration between the method detection limit and report limit

' - feet

Table 2 - Soil Analytical Results

				Organic Compounds in Soils (mg/kg)										Soil Suitability for Reclamation				Metals by Saturated Paste (mg/L)		
ECMC Residential Soil Screening Levels -->				0.11	110	0.11	240	240	1.1	18	24	2	180	4	6	(6-8.3)	2			
Protection of Groundwater Levels (Soil) -->				0.24(M)	9(R)	0.096(R)	8.9(R)	0.54(R)	0.98(R)	0.006(R)	0.019(R)	0.0038(R)	1.3(R)							
Sample Date	Solid/Soil Source [Vault/Sump, Spill, Pit, Cuttings, Background, Tank Battery, Wellhead, Flowline, etc.]	Sample ID	PID (ppm)	Benzo(a)pyrene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Pyrene	Electrical Conductivity (EC) (by saturated paste method) (mmhos/cm)	Sodium Adsorption Ratio (SAR) (by saturated paste method) (Calculation)	pH (by saturated paste method) (pH Units)	Boron (hot water soluble soil extract) (mg/L)	Calcium	Magnesium	Sodium
11/15/2024	Excavation	MU01@3.0'-3.5'	0.4	*<0.0030*	*<0.0029*	*<0.0025*	*<0.0022*	*<0.0011*	*<0.0030*	*<0.00090*	*<0.0010*	*<0.00083*	*<0.0028*	0.37	0.16	5.28	0.42	29	6.9	3.6
11/15/2024	Excavation	MU02@2.0'-2.5'	2	*<0.0029*	*<0.0029*	*<0.0025*	*<0.0022*	*<0.0011*	*<0.0030*	*<0.00089*	*<0.0010*	*<0.00082*	*<0.0028*	0.57	0.43	3.61	0.15J	29	12	11
11/15/2024	Excavation	MU03@3.2'-3.5'	1.4	*<0.0031*	*<0.0030*	*<0.0027*	*<0.0023*	*<0.0011*	*<0.0032*	*<0.00093*	*<0.0011*	*<0.00086*	*<0.0029*	0.58	0.45	7.10	0.18J	54	10	14
11/15/2024	Excavation	MU04@3.0'-3.5'	0.8	*<0.0030*	*<0.0029*	*<0.0026*	*<0.0022*	*<0.0011*	*<0.0031*	*<0.00090*	*<0.0010*	*<0.00084*	*<0.0028*	0.41	0.64	5.01	0.21J	29	6.4	15
11/15/2024	Excavation	MU05@2.0'-2.5'	1.1	*<0.0030*	*<0.0029*	*<0.0026*	*<0.0022*	*<0.0011*	*<0.0031*	*<0.00090*	*<0.0010*	*<0.00084*	*<0.0028*	1.4	0.34	2.80	0.18J	22	5.4	6.8
11/15/2024	Excavation	MU06@3.0'-3.5'	1.2	*<0.0030*	*<0.0029*	*<0.0026*	*<0.0022*	*<0.0011*	*<0.0031*	*<0.00090*	*<0.0010*	*<0.00084*	*<0.0028*	0.84	0.39	3.04	0.18J	16	4.4	6.7
11/15/2024	Excavation	MU07@3.0'-3.5'	1.1	*<0.0031*	*<0.0030*	*<0.0026*	*<0.0023*	*<0.0011*	*<0.0032*	*<0.00093*	*<0.0011*	*<0.00086*	*<0.0029*	0.62	0.36	3.96	0.26J	35	8.8	9.2
11/15/2024	Excavation	MU08@3.0'-3.5'	1.1	*<0.0031*	*<0.0030*	*<0.0026*	*<0.0023*	*<0.0011*	*<0.0031*	*<0.00093*	*<0.0011*	*<0.00086*	*<0.0029*	0.43	0.48	7.68	0.26J	43	8.8	13
11/15/2024	Excavation	MU09@3.0'-3.5'	4.1	*<0.0030*	*<0.0029*	*<0.0026*	*<0.0022*	*<0.0011*	*<0.0031*	*<0.00090*	*<0.0010*	*<0.00083*	*<0.0028*	0.67	0.22	4.67	0.26J	40	11	6.2
11/15/2024	Excavation	MU10@3.0'-3.5'	0.8	*<0.0029*	*<0.0028*	*<0.0025*	*<0.0021*	*<0.0011*	*<0.0030*	*<0.00088*	*<0.0010*	*<0.00081*	*<0.0027*	0.67	0.20	3.31	0.27J	20	4.9	3.9

Legend:

ECMC - Colorado Energy and Carbon Management Commiss

Orange Highlight - ECMC Table 915-1 TPH, BTEX, organic, metal exceedance

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ppm - parts per million

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mmhos/cm - millimhos per centimeter

J - analyte is present at an estimated concentration between the m

' - feet

05-Dec-2024

Annette Garrigues
Williams Midstream
2717 County Road 215
Parachute, CO 81635

Re: **WPO188995** Work Order: **24110559**

Dear Annette,

ALS Environmental received 10 samples on 19-Nov-2024 09:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 40.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

ALS Group, USA

Date: 05-Dec-24

Client: Williams Midstream
Project: WPO188995
Work Order: **24110559**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
24110559-01	MU01@3.0'-3.5'	Soil		11/15/2024 10:10	11/19/2024 09:00	☐
24110559-02	MU02@2.0'-2.5'	Soil		11/15/2024 10:35	11/19/2024 09:00	☐
24110559-03	MU03@3.0'-3.5'	Soil		11/15/2024 12:35	11/19/2024 09:00	☐
24110559-04	MU04@3.0'-3.5'	Soil		11/15/2024 12:50	11/19/2024 09:00	☐
24110559-05	MU05@2.0'-2.5'	Soil		11/15/2024 13:50	11/19/2024 09:00	☐
24110559-06	MU06@3.0'-3.5'	Soil		11/15/2024 14:20	11/19/2024 09:00	☐
24110559-07	MU07@3.0'-3.5'	Soil		11/15/2024 14:30	11/19/2024 09:00	☐
24110559-08	MU08@3.0'-3.5'	Soil		11/15/2024 14:40	11/19/2024 09:00	☐
24110559-09	MU09@3.0'-3.5'	Soil		11/15/2024 14:50	11/19/2024 09:00	☐
24110559-10	MU10@3.0'-3.5'	Soil		11/15/2024 15:30	11/19/2024 09:00	☐

Client: Williams Midstream
Project: WPO188995
Work Order: 24110559

Case Narrative

The attached "Sample Receipt Checklist" documents the date of receipt, status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. A copy of the laboratory's scope of accreditation is available upon request.

Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting.

Any flags on MS/MSD samples not addressed in this narrative are unrelated to samples in this report.

With the following exceptions, all sample analyses achieved analytical criteria.

Batch 249888, Method USDA Method 20B, Sample 24110559-01A DUP: The RPD between the sample and its duplicate was out of control. The corresponding sample result should be considered estimated for this analyte. pH

Client: Williams Midstream
Project: WPO188995
WorkOrder: **24110559**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

Units Reported	Description
% of sample	Percent of Sample
µg/Kg-dry	Micrograms per Kilogram Dry Weight
mg/Kg-dry	Milligrams per Kilogram Dry Weight
mg/L	Milligrams per Liter
mmhos/cm @25°C	Millimhos-Centimeter at 25 Degrees Celcius
none	

ALS Group, USA

Date: *05-Dec-24*

Client: Williams Midstream
Project: WPO188995
Sample ID: MU01@3.0'-3.5'
Collection Date: 11/15/2024 10:10 AM

Work Order: 24110559
Lab ID: 24110559-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID		Method: **SW8015C**			Prep: SW3546 / 11/25/24		Analyst: **QNG**
ERO (C10-C36)	**6.2**	J	**2.8**	**21**	**mg/Kg-dry**	1	11/26/2024 17:42
Surr: 4-Terphenyl-d14	*44.3*			*10-131*	*%REC*	1	11/26/2024 17:42
GASOLINE RANGE ORGANICS BY GC-FID		Method: **SW8015C**			Prep: SW5035A / 11/20/24		Analyst: **QNG**
GRO (C6-C10)	U		6,200	6,700	µg/Kg-dry	1	11/21/2024 01:00
Surr: Toluene-d8	*97.0*			*75-120*	*%REC*	1	11/21/2024 01:00
SOLUBLE CATIONS FOR SAR		Method: **SW6020B**			Prep: USDA Method 20B / 12/2/24		Analyst: **STP**
Calcium	**29**		**2.5**	**5.0**	**mg/L**	10	12/3/2024 19:22
Magnesium	**6.9**		**0.50**	**2.0**	**mg/L**	10	12/3/2024 19:22
Sodium	**3.6**		**1.8**	**2.0**	**mg/L**	10	12/4/2024 14:11
HOT WATER SOLUBLE BORON BY ICP-MS		Method: **SW6020B**			Prep: EXTRACT / 11/26/24		Analyst: **MTK**
Boron (Hot Water Soluble)	**0.42**		**0.016**	**0.41**	**mg/Kg-dry**	10	12/2/2024 15:26
SODIUM ADSORPTION RATIO		Method: **USDA H60 METHOD 20B**			Prep: USDA Method 20B / 12/2/24		Analyst: **DSC**
Sodium Adsorption Ratio	**0.16**		**0.010**	**0.010**	**none**	1	12/3/2024
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)		Method: **SW8270E**			Prep: SW3546 / 11/25/24		Analyst: **SMT**
1-Methylnaphthalene	U		0.90	4.4	µg/Kg-dry	1	11/27/2024 05:20
2-Methylnaphthalene	U		1.0	4.4	µg/Kg-dry	1	11/27/2024 05:20
Acenaphthene	U		1.7	4.4	µg/Kg-dry	1	11/27/2024 05:20
Anthracene	U		0.80	4.4	µg/Kg-dry	1	11/27/2024 05:20
Benzo(a)anthracene	U		3.2	4.4	µg/Kg-dry	1	11/27/2024 05:20
Benzo(a)pyrene	U		3.0	4.4	µg/Kg-dry	1	11/27/2024 05:20
Benzo(b)fluoranthene	U		2.6	4.4	µg/Kg-dry	1	11/27/2024 05:20
Benzo(k)fluoranthene	U		0.66	4.4	µg/Kg-dry	1	11/27/2024 05:20
Chrysene	U		2.9	4.4	µg/Kg-dry	1	11/27/2024 05:20
Dibenzo(a,h)anthracene	U		2.5	4.4	µg/Kg-dry	1	11/27/2024 05:20
Fluoranthene	U		2.2	4.4	µg/Kg-dry	1	11/27/2024 05:20
Fluorene	U		1.1	4.4	µg/Kg-dry	1	11/27/2024 05:20
Indeno(1,2,3-cd)pyrene	U		3.0	4.4	µg/Kg-dry	1	11/27/2024 05:20
Naphthalene	U		0.83	4.4	µg/Kg-dry	1	11/27/2024 05:20
Pyrene	U		2.8	4.4	µg/Kg-dry	1	11/27/2024 05:20
Surr: 2-Fluorobiphenyl	*76.8*			*44-132*	*%REC*	1	11/27/2024 05:20
Surr: 4-Terphenyl-d14	*90.2*			*35-133*	*%REC*	1	11/27/2024 05:20
Surr: Nitrobenzene-d5	*113*			*30-133*	*%REC*	1	11/27/2024 05:20
VOLATILE ORGANIC COMPOUNDS - LOW LEVEL		Method: **SW8260D**					Analyst: **NTJ**

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Williams Midstream
Project: WPO188995
Sample ID: MU01@3.0'-3.5'
Collection Date: 11/15/2024 10:10 AM

Work Order: 24110559
Lab ID: 24110559-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trimethylbenzene	U		2.0	5.4	µg/Kg-dry	1.02	11/28/2024 00:18
1,3,5-Trimethylbenzene	U		1.7	5.4	µg/Kg-dry	1.02	11/28/2024 00:18
Benzene	U		0.56	5.4	µg/Kg-dry	1.02	11/28/2024 00:18
Ethylbenzene	U		0.94	5.4	µg/Kg-dry	1.02	11/28/2024 00:18
m,p-Xylene	U		2.4	2.7	µg/Kg-dry	1.02	11/28/2024 00:18
o-Xylene	U		1.3	2.7	µg/Kg-dry	1.02	11/28/2024 00:18
Toluene	U		1.9	5.4	µg/Kg-dry	1.02	11/28/2024 00:18
Xylenes, Total	U		2.4	5.4	µg/Kg-dry	1.02	11/28/2024 00:18
Surr: 1,2-Dichloroethane-d4	*105*			*83-132*	*%REC*	1.02	11/28/2024 00:18
Surr: 4-Bromofluorobenzene	*102*			*83-111*	*%REC*	1.02	11/28/2024 00:18
Surr: Dibromofluoromethane	*104*			*77-125*	*%REC*	1.02	11/28/2024 00:18
Surr: Toluene-d8	*93.4*			*86-108*	*%REC*	1.02	11/28/2024 00:18
ELECTRICAL CONDUCTIVITY (SAR)		Method:	**USDA H60 METHOD 20B**		Prep: USDA Method 20B / 12/2/24		Analyst: **JB**
Electrical Conductivity @ Saturation	**0.37**		**0.011**	**0.10**	**mmhos/cm @25°C**	20	12/4/2024 09:55
MOISTURE		Method:	**SW3550C**				Analyst: **ETC**
Moisture	**6.0**		**0.10**	**0.10**	**% of sample**	1	11/20/2024 20:45
PH MEASURED IN SOIL PASTE		Method:	**USDA METHOD 20B**		Prep: USDA Method 20B / 12/2/24		Analyst: **JB**
pH @ Saturation	**5.28**		**0.11**	**0.11**	**s.u.-dry**	1	12/4/2024 09:25

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *05-Dec-24*

Client: Williams Midstream
Project: WPO188995
Sample ID: MU02@2.0'-2.5'
Collection Date: 11/15/2024 10:35 AM

Work Order: 24110559
Lab ID: 24110559-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID		Method: **SW8015C**			Prep: SW3546 / 11/25/24		Analyst: **QNG**
ERO (C10-C36)	U		2.7	21	mg/Kg-dry	1	11/26/2024 18:06
Surr: 4-Terphenyl-d14	*44.3*			*10-131*	*%REC*	1	11/26/2024 18:06
GASOLINE RANGE ORGANICS BY GC-FID		Method: **SW8015C**			Prep: SW5035A / 11/20/24		Analyst: **QNG**
GRO (C6-C10)	U		5,300	5,700	µg/Kg-dry	1	11/21/2024 00:38
Surr: Toluene-d8	*99.8*			*75-120*	*%REC*	1	11/21/2024 00:38
SOLUBLE CATIONS FOR SAR		Method: **SW6020B**			Prep: USDA Method 20B / 12/2/24		Analyst: **STP**
Calcium	**29**		**2.5**	**5.0**	**mg/L**	10	12/3/2024 19:28
Magnesium	**12**		**0.50**	**2.0**	**mg/L**	10	12/3/2024 19:28
Sodium	**11**		**1.8**	**2.0**	**mg/L**	10	12/3/2024 19:28
HOT WATER SOLUBLE BORON BY ICP-MS		Method: **SW6020B**			Prep: EXTRACT / 11/26/24		Analyst: **MTK**
Boron (Hot Water Soluble)	**0.15**	J	**0.016**	**0.41**	**mg/Kg-dry**	10	12/2/2024 15:28
SODIUM ADSORPTION RATIO		Method: **USDA H60 METHOD 20B**			Prep: USDA Method 20B / 12/2/24		Analyst: **DSC**
Sodium Adsorption Ratio	**0.43**		**0.010**	**0.010**	**none**	1	12/3/2024
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)		Method: **SW8270E**			Prep: SW3546 / 11/25/24		Analyst: **SMT**
1-Methylnaphthalene	U		0.89	4.3	µg/Kg-dry	1	11/27/2024 05:36
2-Methylnaphthalene	U		1.0	4.3	µg/Kg-dry	1	11/27/2024 05:36
Acenaphthene	U		1.7	4.3	µg/Kg-dry	1	11/27/2024 05:36
Anthracene	U		0.79	4.3	µg/Kg-dry	1	11/27/2024 05:36
Benzo(a)anthracene	U		3.1	4.3	µg/Kg-dry	1	11/27/2024 05:36
Benzo(a)pyrene	U		2.9	4.3	µg/Kg-dry	1	11/27/2024 05:36
Benzo(b)fluoranthene	U		2.6	4.3	µg/Kg-dry	1	11/27/2024 05:36
Benzo(k)fluoranthene	U		0.65	4.3	µg/Kg-dry	1	11/27/2024 05:36
Chrysene	U		2.9	4.3	µg/Kg-dry	1	11/27/2024 05:36
Dibenzo(a,h)anthracene	U		2.5	4.3	µg/Kg-dry	1	11/27/2024 05:36
Fluoranthene	U		2.2	4.3	µg/Kg-dry	1	11/27/2024 05:36
Fluorene	U		1.1	4.3	µg/Kg-dry	1	11/27/2024 05:36
Indeno(1,2,3-cd)pyrene	U		3.0	4.3	µg/Kg-dry	1	11/27/2024 05:36
Naphthalene	U		0.82	4.3	µg/Kg-dry	1	11/27/2024 05:36
Pyrene	U		2.8	4.3	µg/Kg-dry	1	11/27/2024 05:36
Surr: 2-Fluorobiphenyl	*81.3*			*44-132*	*%REC*	1	11/27/2024 05:36
Surr: 4-Terphenyl-d14	*78.0*			*35-133*	*%REC*	1	11/27/2024 05:36
Surr: Nitrobenzene-d5	*102*			*30-133*	*%REC*	1	11/27/2024 05:36
VOLATILE ORGANIC COMPOUNDS - LOW LEVEL		Method: **SW8260D**					Analyst: **NTJ**

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Williams Midstream
Project: WPO188995
Sample ID: MU02@2.0'-2.5'
Collection Date: 11/15/2024 10:35 AM

Work Order: 24110559
Lab ID: 24110559-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trimethylbenzene	U		1.9	5.2	µg/Kg-dry	0.993	11/28/2024 00:34
1,3,5-Trimethylbenzene	U		1.7	5.2	µg/Kg-dry	0.993	11/28/2024 00:34
Benzene	U		0.54	5.2	µg/Kg-dry	0.993	11/28/2024 00:34
Ethylbenzene	U		0.91	5.2	µg/Kg-dry	0.993	11/28/2024 00:34
m,p-Xylene	U		2.3	2.6	µg/Kg-dry	0.993	11/28/2024 00:34
o-Xylene	U		1.3	2.6	µg/Kg-dry	0.993	11/28/2024 00:34
Toluene	U		1.8	5.2	µg/Kg-dry	0.993	11/28/2024 00:34
Xylenes, Total	U		2.3	5.2	µg/Kg-dry	0.993	11/28/2024 00:34
Surr: 1,2-Dichloroethane-d4	*104*			*83-132*	*%REC*	0.993	11/28/2024 00:34
Surr: 4-Bromofluorobenzene	*100*			*83-111*	*%REC*	0.993	11/28/2024 00:34
Surr: Dibromofluoromethane	*102*			*77-125*	*%REC*	0.993	11/28/2024 00:34
Surr: Toluene-d8	*93.2*			*86-108*	*%REC*	0.993	11/28/2024 00:34
ELECTRICAL CONDUCTIVITY (SAR)		Method:	**USDA H60 METHOD 20B**		Prep: USDA Method 20B / 12/2/24		Analyst: **JB**
Electrical Conductivity @ Saturation	**0.57**		**0.011**	**0.10**	**mmhos/cm @25°C**	20	12/4/2024 09:55
MOISTURE		Method:	**SW3550C**				Analyst: **ETC**
Moisture	**5.0**		**0.10**	**0.10**	**% of sample**	1	11/20/2024 20:45
PH MEASURED IN SOIL PASTE		Method:	**USDA METHOD 20B**		Prep: USDA Method 20B / 12/2/24		Analyst: **JB**
pH @ Saturation	**3.61**		**0.11**	**0.11**	**s.u.-dry**	1	12/4/2024 09:25

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Williams Midstream
Project: WPO188995
Sample ID: MU03@3.0'-3.5'
Collection Date: 11/15/2024 12:35 PM

Work Order: 24110559
Lab ID: 24110559-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID		Method: **SW8015C**			Prep: SW3546 / 11/25/24		Analyst: **QNG**
ERO (C10-C36)	**4.4**	J	**2.9**	**22**	**mg/Kg-dry**	1	11/26/2024 18:29
Surr: 4-Terphenyl-d14	*42.3*			*10-131*	*%REC*	1	11/26/2024 18:29
GASOLINE RANGE ORGANICS BY GC-FID		Method: **SW8015C**			Prep: SW5035A / 11/20/24		Analyst: **QNG**
GRO (C6-C10)	U		5,500	5,800	µg/Kg-dry	1	11/21/2024 00:15
Surr: Toluene-d8	*97.7*			*75-120*	*%REC*	1	11/21/2024 00:15
SOLUBLE CATIONS FOR SAR		Method: **SW6020B**			Prep: USDA Method 20B / 12/2/24		Analyst: **STP**
Calcium	**54**		**2.5**	**5.0**	**mg/L**	10	12/3/2024 19:30
Magnesium	**10**		**0.50**	**2.0**	**mg/L**	10	12/3/2024 19:30
Sodium	**14**		**1.8**	**2.0**	**mg/L**	10	12/3/2024 19:30
HOT WATER SOLUBLE BORON BY ICP-MS		Method: **SW6020B**			Prep: EXTRACT / 11/26/24		Analyst: **MTK**
Boron (Hot Water Soluble)	**0.18**	J	**0.017**	**0.43**	**mg/Kg-dry**	10	12/2/2024 15:29
SODIUM ADSORPTION RATIO		Method: **USDA H60 METHOD 20B**			Prep: USDA Method 20B / 12/2/24		Analyst: **DSC**
Sodium Adsorption Ratio	**0.45**		**0.010**	**0.010**	**none**	1	12/3/2024
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)		Method: **SW8270E**			Prep: SW3546 / 11/25/24		Analyst: **SMT**
1-Methylnaphthalene	U		0.93	4.6	µg/Kg-dry	1	11/27/2024 05:51
2-Methylnaphthalene	U		1.1	4.6	µg/Kg-dry	1	11/27/2024 05:51
Acenaphthene	U		1.8	4.6	µg/Kg-dry	1	11/27/2024 05:51
Anthracene	U		0.83	4.6	µg/Kg-dry	1	11/27/2024 05:51
Benzo(a)anthracene	U		3.3	4.6	µg/Kg-dry	1	11/27/2024 05:51
Benzo(a)pyrene	U		3.1	4.6	µg/Kg-dry	1	11/27/2024 05:51
Benzo(b)fluoranthene	U		2.8	4.6	µg/Kg-dry	1	11/27/2024 05:51
Benzo(k)fluoranthene	U		0.69	4.6	µg/Kg-dry	1	11/27/2024 05:51
Chrysene	U		3.0	4.6	µg/Kg-dry	1	11/27/2024 05:51
Dibenzo(a,h)anthracene	U		2.7	4.6	µg/Kg-dry	1	11/27/2024 05:51
Fluoranthene	U		2.3	4.6	µg/Kg-dry	1	11/27/2024 05:51
Fluorene	U		1.1	4.6	µg/Kg-dry	1	11/27/2024 05:51
Indeno(1,2,3-cd)pyrene	U		3.2	4.6	µg/Kg-dry	1	11/27/2024 05:51
Naphthalene	U		0.86	4.6	µg/Kg-dry	1	11/27/2024 05:51
Pyrene	U		2.9	4.6	µg/Kg-dry	1	11/27/2024 05:51
Surr: 2-Fluorobiphenyl	*96.3*			*44-132*	*%REC*	1	11/27/2024 05:51
Surr: 4-Terphenyl-d14	*84.3*			*35-133*	*%REC*	1	11/27/2024 05:51
Surr: Nitrobenzene-d5	*96.0*			*30-133*	*%REC*	1	11/27/2024 05:51
VOLATILE ORGANIC COMPOUNDS - LOW LEVEL		Method: **SW8260D**					Analyst: **NTJ**

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Williams Midstream
Project: WPO188995
Sample ID: MU03@3.0'-3.5'
Collection Date: 11/15/2024 12:35 PM

Work Order: 24110559
Lab ID: 24110559-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trimethylbenzene	U		0.98	2.7	µg/Kg-dry	0.498	11/28/2024 00:50
1,3,5-Trimethylbenzene	U		0.88	2.7	µg/Kg-dry	0.498	11/28/2024 00:50
Benzene	U		0.28	2.7	µg/Kg-dry	0.498	11/28/2024 00:50
Ethylbenzene	U		0.48	2.7	µg/Kg-dry	0.498	11/28/2024 00:50
m,p-Xylene	U		1.2	1.4	µg/Kg-dry	0.498	11/28/2024 00:50
o-Xylene	U		0.66	1.4	µg/Kg-dry	0.498	11/28/2024 00:50
Toluene	U		0.95	2.7	µg/Kg-dry	0.498	11/28/2024 00:50
Xylenes, Total	U		1.2	2.7	µg/Kg-dry	0.498	11/28/2024 00:50
Surr: 1,2-Dichloroethane-d4	*108*			*83-132*	*%REC*	0.498	11/28/2024 00:50
Surr: 4-Bromofluorobenzene	*101*			*83-111*	*%REC*	0.498	11/28/2024 00:50
Surr: Dibromofluoromethane	*107*			*77-125*	*%REC*	0.498	11/28/2024 00:50
Surr: Toluene-d8	*92.0*			*86-108*	*%REC*	0.498	11/28/2024 00:50
ELECTRICAL CONDUCTIVITY (SAR)		Method:	**USDA H60 METHOD 20B**		Prep: USDA Method 20B / 12/2/24		Analyst: **JB**
Electrical Conductivity @ Saturation	**0.58**		**0.011**	**0.10**	**mmhos/cm @25°C**	20	12/4/2024 09:55
MOISTURE		Method:	**SW3550C**				Analyst: **ETC**
Moisture	**9.0**		**0.10**	**0.10**	**% of sample**	1	11/20/2024 20:45
PH MEASURED IN SOIL PASTE		Method:	**USDA METHOD 20B**		Prep: USDA Method 20B / 12/2/24		Analyst: **JB**
pH @ Saturation	**7.10**		**0.11**	**0.11**	**s.u.-dry**	1	12/4/2024 09:25

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Williams Midstream
Project: WPO188995
Sample ID: MU04@3.0'-3.5'
Collection Date: 11/15/2024 12:50 PM

Work Order: 24110559
Lab ID: 24110559-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID		Method: **SW8015C**			Prep: SW3546 / 11/25/24		Analyst: **QNG**
ERO (C10-C36)	**3.6**	J	**2.8**	**21**	**mg/Kg-dry**	1	11/26/2024 18:53
Surr: 4-Terphenyl-d14	*44.3*			*10-131*	*%REC*	1	11/26/2024 18:53
GASOLINE RANGE ORGANICS BY GC-FID		Method: **SW8015C**			Prep: SW5035A / 11/20/24		Analyst: **QNG**
GRO (C6-C10)	U		5,800	6,200	µg/Kg-dry	1	11/20/2024 23:53
Surr: Toluene-d8	*97.5*			*75-120*	*%REC*	1	11/20/2024 23:53
SOLUBLE CATIONS FOR SAR		Method: **SW6020B**			Prep: USDA Method 20B / 12/2/24		Analyst: **STP**
Calcium	**29**		**2.5**	**5.0**	**mg/L**	10	12/3/2024 19:32
Magnesium	**6.4**		**0.50**	**2.0**	**mg/L**	10	12/3/2024 19:32
Sodium	**15**		**1.8**	**2.0**	**mg/L**	10	12/3/2024 19:32
HOT WATER SOLUBLE BORON BY ICP-MS		Method: **SW6020B**			Prep: EXTRACT / 11/26/24		Analyst: **MTK**
Boron (Hot Water Soluble)	**0.21**	J	**0.016**	**0.41**	**mg/Kg-dry**	10	12/2/2024 15:31
SODIUM ADSORPTION RATIO		Method: **USDA H60 METHOD 20B**			Prep: USDA Method 20B / 12/2/24		Analyst: **DSC**
Sodium Adsorption Ratio	**0.64**		**0.010**	**0.010**	**none**	1	12/3/2024
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)		Method: **SW8270E**			Prep: SW3546 / 11/25/24		Analyst: **SMT**
1-Methylnaphthalene	U		0.90	4.4	µg/Kg-dry	1	11/27/2024 05:04
2-Methylnaphthalene	U		1.0	4.4	µg/Kg-dry	1	11/27/2024 05:04
Acenaphthene	U		1.7	4.4	µg/Kg-dry	1	11/27/2024 05:04
Anthracene	U		0.81	4.4	µg/Kg-dry	1	11/27/2024 05:04
Benzo(a)anthracene	U		3.2	4.4	µg/Kg-dry	1	11/27/2024 05:04
Benzo(a)pyrene	U		3.0	4.4	µg/Kg-dry	1	11/27/2024 05:04
Benzo(b)fluoranthene	U		2.7	4.4	µg/Kg-dry	1	11/27/2024 05:04
Benzo(k)fluoranthene	U		0.66	4.4	µg/Kg-dry	1	11/27/2024 05:04
Chrysene	U		2.9	4.4	µg/Kg-dry	1	11/27/2024 05:04
Dibenzo(a,h)anthracene	U		2.6	4.4	µg/Kg-dry	1	11/27/2024 05:04
Fluoranthene	U		2.2	4.4	µg/Kg-dry	1	11/27/2024 05:04
Fluorene	U		1.1	4.4	µg/Kg-dry	1	11/27/2024 05:04
Indeno(1,2,3-cd)pyrene	U		3.1	4.4	µg/Kg-dry	1	11/27/2024 05:04
Naphthalene	U		0.84	4.4	µg/Kg-dry	1	11/27/2024 05:04
Pyrene	U		2.8	4.4	µg/Kg-dry	1	11/27/2024 05:04
Surr: 2-Fluorobiphenyl	*88.3*			*44-132*	*%REC*	1	11/27/2024 05:04
Surr: 4-Terphenyl-d14	*66.9*			*35-133*	*%REC*	1	11/27/2024 05:04
Surr: Nitrobenzene-d5	*119*			*30-133*	*%REC*	1	11/27/2024 05:04
VOLATILE ORGANIC COMPOUNDS - LOW LEVEL		Method: **SW8260D**					Analyst: **NTJ**

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Williams Midstream
Project: WPO188995
Sample ID: MU04@3.0'-3.5'
Collection Date: 11/15/2024 12:50 PM

Work Order: 24110559
Lab ID: 24110559-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trimethylbenzene	U		2.2	6.0	µg/Kg-dry	1.13	11/28/2024 01:06
1,3,5-Trimethylbenzene	U		1.9	6.0	µg/Kg-dry	1.13	11/28/2024 01:06
Benzene	U		0.62	6.0	µg/Kg-dry	1.13	11/28/2024 01:06
Ethylbenzene	U		1.0	6.0	µg/Kg-dry	1.13	11/28/2024 01:06
m,p-Xylene	U		2.6	3.0	µg/Kg-dry	1.13	11/28/2024 01:06
o-Xylene	U		1.4	3.0	µg/Kg-dry	1.13	11/28/2024 01:06
Toluene	U		2.1	6.0	µg/Kg-dry	1.13	11/28/2024 01:06
Xylenes, Total	U		2.6	6.0	µg/Kg-dry	1.13	11/28/2024 01:06
Surr: 1,2-Dichloroethane-d4	*107*			*83-132*	*%REC*	1.13	11/28/2024 01:06
Surr: 4-Bromofluorobenzene	*99.4*			*83-111*	*%REC*	1.13	11/28/2024 01:06
Surr: Dibromofluoromethane	*104*			*77-125*	*%REC*	1.13	11/28/2024 01:06
Surr: Toluene-d8	*91.2*			*86-108*	*%REC*	1.13	11/28/2024 01:06
ELECTRICAL CONDUCTIVITY (SAR)		Method:	**USDA H60 METHOD 20B**		Prep: USDA Method 20B / 12/2/24		Analyst: **JB**
Electrical Conductivity @ Saturation	**0.41**		**0.011**	**0.10**	**mmhos/cm @25°C**	20	12/4/2024 09:55
MOISTURE		Method:	**SW3550C**				Analyst: **ETC**
Moisture	**5.5**		**0.10**	**0.10**	**% of sample**	1	11/20/2024 20:45
PH MEASURED IN SOIL PASTE		Method:	**USDA METHOD 20B**		Prep: USDA Method 20B / 12/2/24		Analyst: **JB**
pH @ Saturation	**5.01**		**0.11**	**0.11**	**s.u.-dry**	1	12/4/2024 09:25

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Williams Midstream
Project: WPO188995
Sample ID: MU05@2.0'-2.5'
Collection Date: 11/15/2024 01:50 PM

Work Order: 24110559
Lab ID: 24110559-05
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID		Method: **SW8015C**			Prep: SW3546 / 11/25/24		Analyst: **QNG**
ERO (C10-C36)	**20**	J	**2.8**	**21**	**mg/Kg-dry**	1	11/26/2024 20:50
Surr: 4-Terphenyl-d14	*54.3*			*10-131*	*%REC*	1	11/26/2024 20:50
GASOLINE RANGE ORGANICS BY GC-FID		Method: **SW8015C**			Prep: SW5035A / 11/20/24		Analyst: **QNG**
GRO (C6-C10)	U		5,700	6,100	µg/Kg-dry	1	11/20/2024 20:32
Surr: Toluene-d8	*95.6*			*75-120*	*%REC*	1	11/20/2024 20:32
SOLUBLE CATIONS FOR SAR		Method: **SW6020B**			Prep: USDA Method 20B / 12/2/24		Analyst: **STP**
Calcium	**22**		**2.5**	**5.0**	**mg/L**	10	12/3/2024 19:33
Magnesium	**5.4**		**0.50**	**2.0**	**mg/L**	10	12/3/2024 19:33
Sodium	**6.8**		**1.8**	**2.0**	**mg/L**	10	12/3/2024 19:33
HOT WATER SOLUBLE BORON BY ICP-MS		Method: **SW6020B**			Prep: EXTRACT / 11/26/24		Analyst: **MTK**
Boron (Hot Water Soluble)	**0.18**	J	**0.017**	**0.42**	**mg/Kg-dry**	10	12/2/2024 15:33
SODIUM ADSORPTION RATIO		Method: **USDA H60 METHOD 20B**			Prep: USDA Method 20B / 12/2/24		Analyst: **DSC**
Sodium Adsorption Ratio	**0.34**		**0.010**	**0.010**	**none**	1	12/3/2024
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)		Method: **SW8270E**			Prep: SW3546 / 11/25/24		Analyst: **SMT**
1-Methylnaphthalene	U		0.90	4.4	µg/Kg-dry	1	11/27/2024 06:07
2-Methylnaphthalene	U		1.0	4.4	µg/Kg-dry	1	11/27/2024 06:07
Acenaphthene	U		1.7	4.4	µg/Kg-dry	1	11/27/2024 06:07
Anthracene	U		0.81	4.4	µg/Kg-dry	1	11/27/2024 06:07
Benzo(a)anthracene	U		3.2	4.4	µg/Kg-dry	1	11/27/2024 06:07
Benzo(a)pyrene	U		3.0	4.4	µg/Kg-dry	1	11/27/2024 06:07
Benzo(b)fluoranthene	U		2.7	4.4	µg/Kg-dry	1	11/27/2024 06:07
Benzo(k)fluoranthene	U		0.66	4.4	µg/Kg-dry	1	11/27/2024 06:07
Chrysene	U		2.9	4.4	µg/Kg-dry	1	11/27/2024 06:07
Dibenzo(a,h)anthracene	U		2.6	4.4	µg/Kg-dry	1	11/27/2024 06:07
Fluoranthene	U		2.2	4.4	µg/Kg-dry	1	11/27/2024 06:07
Fluorene	U		1.1	4.4	µg/Kg-dry	1	11/27/2024 06:07
Indeno(1,2,3-cd)pyrene	U		3.1	4.4	µg/Kg-dry	1	11/27/2024 06:07
Naphthalene	U		0.84	4.4	µg/Kg-dry	1	11/27/2024 06:07
Pyrene	U		2.8	4.4	µg/Kg-dry	1	11/27/2024 06:07
Surr: 2-Fluorobiphenyl	*81.1*			*44-132*	*%REC*	1	11/27/2024 06:07
Surr: 4-Terphenyl-d14	*86.3*			*35-133*	*%REC*	1	11/27/2024 06:07
Surr: Nitrobenzene-d5	*95.6*			*30-133*	*%REC*	1	11/27/2024 06:07
VOLATILE ORGANIC COMPOUNDS - LOW LEVEL		Method: **SW8260D**					Analyst: **NTJ**

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Williams Midstream
Project: WPO188995
Sample ID: MU05@2.0'-2.5'
Collection Date: 11/15/2024 01:50 PM

Work Order: 24110559
Lab ID: 24110559-05
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trimethylbenzene	U		2.1	5.8	µg/Kg-dry	1.09	11/28/2024 01:22
1,3,5-Trimethylbenzene	U		1.8	5.8	µg/Kg-dry	1.09	11/28/2024 01:22
Benzene	U		0.60	5.8	µg/Kg-dry	1.09	11/28/2024 01:22
Ethylbenzene	U		1.0	5.8	µg/Kg-dry	1.09	11/28/2024 01:22
m,p-Xylene	U		2.5	2.9	µg/Kg-dry	1.09	11/28/2024 01:22
o-Xylene	U		1.4	2.9	µg/Kg-dry	1.09	11/28/2024 01:22
Toluene	U		2.0	5.8	µg/Kg-dry	1.09	11/28/2024 01:22
Xylenes, Total	U		2.5	5.8	µg/Kg-dry	1.09	11/28/2024 01:22
Surr: 1,2-Dichloroethane-d4	*106*			*83-132*	*%REC*	1.09	11/28/2024 01:22
Surr: 4-Bromofluorobenzene	*99.3*			*83-111*	*%REC*	1.09	11/28/2024 01:22
Surr: Dibromofluoromethane	*101*			*77-125*	*%REC*	1.09	11/28/2024 01:22
Surr: Toluene-d8	*93.2*			*86-108*	*%REC*	1.09	11/28/2024 01:22
ELECTRICAL CONDUCTIVITY (SAR)		Method:	**USDA H60 METHOD 20B**		Prep: USDA Method 20B / 12/2/24		Analyst: **JB**
Electrical Conductivity @ Saturation	**1.4**		**0.011**	**0.10**	**mmhos/cm @25°C**	20	12/4/2024 09:55
MOISTURE		Method:	**SW3550C**				Analyst: **ETC**
Moisture	**5.7**		**0.10**	**0.10**	**% of sample**	1	11/20/2024 20:45
PH MEASURED IN SOIL PASTE		Method:	**USDA METHOD 20B**		Prep: USDA Method 20B / 12/2/24		Analyst: **JB**
pH @ Saturation	**2.80**		**0.11**	**0.11**	**s.u.-dry**	1	12/4/2024 09:25

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Williams Midstream
Project: WPO188995
Sample ID: MU06@3.0'-3.5'
Collection Date: 11/15/2024 02:20 PM

Work Order: 24110559
Lab ID: 24110559-06
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID		Method: **SW8015C**			Prep: SW3546 / 11/25/24		Analyst: **QNG**
ERO (C10-C36)	U		2.8	21	mg/Kg-dry	1	11/26/2024 21:13
Surr: 4-Terphenyl-d14	*42.3*			*10-131*	*%REC*	1	11/26/2024 21:13
GASOLINE RANGE ORGANICS BY GC-FID		Method: **SW8015C**			Prep: SW5035A / 11/20/24		Analyst: **QNG**
GRO (C6-C10)	U		5,700	6,100	µg/Kg-dry	1	11/20/2024 20:10
Surr: Toluene-d8	*95.2*			*75-120*	*%REC*	1	11/20/2024 20:10
SOLUBLE CATIONS FOR SAR		Method: **SW6020B**			Prep: USDA Method 20B / 12/2/24		Analyst: **STP**
Calcium	**16**		**2.5**	**5.0**	**mg/L**	10	12/3/2024 19:35
Magnesium	**4.4**		**0.50**	**2.0**	**mg/L**	10	12/3/2024 19:35
Sodium	**6.7**		**1.8**	**2.0**	**mg/L**	10	12/3/2024 19:35
HOT WATER SOLUBLE BORON BY ICP-MS		Method: **SW6020B**			Prep: EXTRACT / 11/26/24		Analyst: **MTK**
Boron (Hot Water Soluble)	**0.18**	J	**0.017**	**0.42**	**mg/Kg-dry**	10	12/2/2024 15:34
SODIUM ADSORPTION RATIO		Method: **USDA H60 METHOD 20B**			Prep: USDA Method 20B / 12/2/24		Analyst: **DSC**
Sodium Adsorption Ratio	**0.39**		**0.010**	**0.010**	**none**	1	12/3/2024
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)		Method: **SW8270E**			Prep: SW3546 / 11/25/24		Analyst: **SMT**
1-Methylnaphthalene	U		0.90	4.4	µg/Kg-dry	1	11/27/2024 06:22
2-Methylnaphthalene	U		1.0	4.4	µg/Kg-dry	1	11/27/2024 06:22
Acenaphthene	U		1.7	4.4	µg/Kg-dry	1	11/27/2024 06:22
Anthracene	U		0.81	4.4	µg/Kg-dry	1	11/27/2024 06:22
Benzo(a)anthracene	U		3.2	4.4	µg/Kg-dry	1	11/27/2024 06:22
Benzo(a)pyrene	U		3.0	4.4	µg/Kg-dry	1	11/27/2024 06:22
Benzo(b)fluoranthene	U		2.7	4.4	µg/Kg-dry	1	11/27/2024 06:22
Benzo(k)fluoranthene	U		0.66	4.4	µg/Kg-dry	1	11/27/2024 06:22
Chrysene	U		2.9	4.4	µg/Kg-dry	1	11/27/2024 06:22
Dibenzo(a,h)anthracene	U		2.6	4.4	µg/Kg-dry	1	11/27/2024 06:22
Fluoranthene	U		2.2	4.4	µg/Kg-dry	1	11/27/2024 06:22
Fluorene	U		1.1	4.4	µg/Kg-dry	1	11/27/2024 06:22
Indeno(1,2,3-cd)pyrene	U		3.1	4.4	µg/Kg-dry	1	11/27/2024 06:22
Naphthalene	U		0.84	4.4	µg/Kg-dry	1	11/27/2024 06:22
Pyrene	U		2.8	4.4	µg/Kg-dry	1	11/27/2024 06:22
Surr: 2-Fluorobiphenyl	*81.8*			*44-132*	*%REC*	1	11/27/2024 06:22
Surr: 4-Terphenyl-d14	*70.7*			*35-133*	*%REC*	1	11/27/2024 06:22
Surr: Nitrobenzene-d5	*96.7*			*30-133*	*%REC*	1	11/27/2024 06:22
VOLATILE ORGANIC COMPOUNDS - LOW LEVEL		Method: **SW8260D**					Analyst: **NTJ**

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Williams Midstream
Project: WPO188995
Sample ID: MU06@3.0'-3.5'
Collection Date: 11/15/2024 02:20 PM

Work Order: 24110559
Lab ID: 24110559-06
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trimethylbenzene	U		2.2	6.0	µg/Kg-dry	1.13	11/28/2024 01:39
1,3,5-Trimethylbenzene	U		1.9	6.0	µg/Kg-dry	1.13	11/28/2024 01:39
Benzene	U		0.62	6.0	µg/Kg-dry	1.13	11/28/2024 01:39
Ethylbenzene	U		1.0	6.0	µg/Kg-dry	1.13	11/28/2024 01:39
m,p-Xylene	U		2.6	3.0	µg/Kg-dry	1.13	11/28/2024 01:39
o-Xylene	U		1.4	3.0	µg/Kg-dry	1.13	11/28/2024 01:39
Toluene	U		2.1	6.0	µg/Kg-dry	1.13	11/28/2024 01:39
Xylenes, Total	U		2.6	6.0	µg/Kg-dry	1.13	11/28/2024 01:39
Surr: 1,2-Dichloroethane-d4	*101*			*83-132*	*%REC*	1.13	11/28/2024 01:39
Surr: 4-Bromofluorobenzene	*102*			*83-111*	*%REC*	1.13	11/28/2024 01:39
Surr: Dibromofluoromethane	*105*			*77-125*	*%REC*	1.13	11/28/2024 01:39
Surr: Toluene-d8	*93.6*			*86-108*	*%REC*	1.13	11/28/2024 01:39
ELECTRICAL CONDUCTIVITY (SAR)		Method:	**USDA H60 METHOD 20B**		Prep: USDA Method 20B / 12/2/24		Analyst: **JB**
Electrical Conductivity @ Saturation	**0.84**		**0.011**	**0.10**	**mmhos/cm @25°C**	20	12/4/2024 09:55
MOISTURE		Method:	**SW3550C**				Analyst: **ETC**
Moisture	**5.6**		**0.10**	**0.10**	**% of sample**	1	11/20/2024 20:45
PH MEASURED IN SOIL PASTE		Method:	**USDA METHOD 20B**		Prep: USDA Method 20B / 12/2/24		Analyst: **JB**
pH @ Saturation	**3.04**		**0.11**	**0.11**	**s.u.-dry**	1	12/4/2024 09:25

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *05-Dec-24*

Client: Williams Midstream
Project: WPO188995
Sample ID: MU07@3.0'-3.5'
Collection Date: 11/15/2024 02:30 PM

Work Order: 24110559
Lab ID: 24110559-07
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID		Method: **SW8015C**			Prep: SW3546 / 11/25/24		Analyst: **QNG**
ERO (C10-C36)	U		2.9	22	mg/Kg-dry	1	11/26/2024 21:37
Surr: 4-Terphenyl-d14	*40.3*			*10-131*	*%REC*	1	11/26/2024 21:37
GASOLINE RANGE ORGANICS BY GC-FID		Method: **SW8015C**			Prep: SW5035A / 11/20/24		Analyst: **QNG**
GRO (C6-C10)	U		6,300	6,700	µg/Kg-dry	1	11/20/2024 19:47
Surr: Toluene-d8	*97.5*			*75-120*	*%REC*	1	11/20/2024 19:47
SOLUBLE CATIONS FOR SAR		Method: **SW6020B**			Prep: USDA Method 20B / 12/2/24		Analyst: **STP**
Calcium	**35**		**2.5**	**5.0**	**mg/L**	10	12/3/2024 19:36
Magnesium	**8.8**		**0.50**	**2.0**	**mg/L**	10	12/3/2024 19:36
Sodium	**9.2**		**1.8**	**2.0**	**mg/L**	10	12/3/2024 19:36
HOT WATER SOLUBLE BORON BY ICP-MS		Method: **SW6020B**			Prep: EXTRACT / 11/26/24		Analyst: **MTK**
Boron (Hot Water Soluble)	**0.26**	J	**0.017**	**0.43**	**mg/Kg-dry**	10	12/2/2024 15:36
SODIUM ADSORPTION RATIO		Method: **USDA H60 METHOD 20B**			Prep: USDA Method 20B / 12/2/24		Analyst: **DSC**
Sodium Adsorption Ratio	**0.36**		**0.010**	**0.010**	**none**	1	12/3/2024
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)		Method: **SW8270E**			Prep: SW3546 / 11/25/24		Analyst: **SMT**
1-Methylnaphthalene	U		0.93	4.5	µg/Kg-dry	1	11/27/2024 06:38
2-Methylnaphthalene	U		1.1	4.5	µg/Kg-dry	1	11/27/2024 06:38
Acenaphthene	U		1.7	4.5	µg/Kg-dry	1	11/27/2024 06:38
Anthracene	U		0.83	4.5	µg/Kg-dry	1	11/27/2024 06:38
Benzo(a)anthracene	U		3.3	4.5	µg/Kg-dry	1	11/27/2024 06:38
Benzo(a)pyrene	U		3.1	4.5	µg/Kg-dry	1	11/27/2024 06:38
Benzo(b)fluoranthene	U		2.7	4.5	µg/Kg-dry	1	11/27/2024 06:38
Benzo(k)fluoranthene	U		0.68	4.5	µg/Kg-dry	1	11/27/2024 06:38
Chrysene	U		3.0	4.5	µg/Kg-dry	1	11/27/2024 06:38
Dibenzo(a,h)anthracene	U		2.6	4.5	µg/Kg-dry	1	11/27/2024 06:38
Fluoranthene	U		2.3	4.5	µg/Kg-dry	1	11/27/2024 06:38
Fluorene	U		1.1	4.5	µg/Kg-dry	1	11/27/2024 06:38
Indeno(1,2,3-cd)pyrene	U		3.2	4.5	µg/Kg-dry	1	11/27/2024 06:38
Naphthalene	U		0.86	4.5	µg/Kg-dry	1	11/27/2024 06:38
Pyrene	U		2.9	4.5	µg/Kg-dry	1	11/27/2024 06:38
Surr: 2-Fluorobiphenyl	*93.7*			*44-132*	*%REC*	1	11/27/2024 06:38
Surr: 4-Terphenyl-d14	*77.1*			*35-133*	*%REC*	1	11/27/2024 06:38
Surr: Nitrobenzene-d5	*90.7*			*30-133*	*%REC*	1	11/27/2024 06:38
VOLATILE ORGANIC COMPOUNDS - LOW LEVEL		Method: **SW8260D**					Analyst: **NTJ**

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Williams Midstream
Project: WPO188995
Sample ID: MU07@3.0'-3.5'
Collection Date: 11/15/2024 02:30 PM

Work Order: 24110559
Lab ID: 24110559-07
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trimethylbenzene	U		1.9	5.2	µg/Kg-dry	0.963	11/28/2024 07:51
1,3,5-Trimethylbenzene	U		1.7	5.2	µg/Kg-dry	0.963	11/28/2024 07:51
Benzene	U		0.55	5.2	µg/Kg-dry	0.963	11/28/2024 07:51
Ethylbenzene	U		0.91	5.2	µg/Kg-dry	0.963	11/28/2024 07:51
m,p-Xylene	U		2.3	2.6	µg/Kg-dry	0.963	11/28/2024 07:51
o-Xylene	U		1.3	2.6	µg/Kg-dry	0.963	11/28/2024 07:51
Toluene	U		1.8	5.2	µg/Kg-dry	0.963	11/28/2024 07:51
Xylenes, Total	U		2.3	5.2	µg/Kg-dry	0.963	11/28/2024 07:51
Surr: 1,2-Dichloroethane-d4	*103*			*83-132*	*%REC*	0.963	11/28/2024 07:51
Surr: 4-Bromofluorobenzene	*101*			*83-111*	*%REC*	0.963	11/28/2024 07:51
Surr: Dibromofluoromethane	*102*			*77-125*	*%REC*	0.963	11/28/2024 07:51
Surr: Toluene-d8	*95.7*			*86-108*	*%REC*	0.963	11/28/2024 07:51
ELECTRICAL CONDUCTIVITY (SAR)		Method:	**USDA H60 METHOD 20B**		Prep: USDA Method 20B / 12/2/24		Analyst: **JB**
Electrical Conductivity @ Saturation	**0.62**		**0.011**	**0.10**	**mmhos/cm @25°C**	20	12/4/2024 09:55
MOISTURE		Method:	**SW3550C**				Analyst: **ETC**
Moisture	**8.2**		**0.10**	**0.10**	**% of sample**	1	11/20/2024 20:45
PH MEASURED IN SOIL PASTE		Method:	**USDA METHOD 20B**		Prep: USDA Method 20B / 12/2/24		Analyst: **JB**
pH @ Saturation	**3.96**		**0.11**	**0.11**	**s.u.-dry**	1	12/4/2024 09:25

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Williams Midstream
Project: WPO188995
Sample ID: MU08@3.0'-3.5'
Collection Date: 11/15/2024 02:40 PM

Work Order: 24110559
Lab ID: 24110559-08
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID		Method: **SW8015C**			Prep: SW3546 / 11/25/24		Analyst: **QNG**
ERO (C10-C36)	U		2.9	22	mg/Kg-dry	1	11/26/2024 22:00
Surr: 4-Terphenyl-d14	*42.3*			*10-131*	*%REC*	1	11/26/2024 22:00
GASOLINE RANGE ORGANICS BY GC-FID		Method: **SW8015C**			Prep: SW5035A / 11/20/24		Analyst: **QNG**
GRO (C6-C10)	U		5,800	6,200	µg/Kg-dry	1	11/20/2024 19:25
Surr: Toluene-d8	*96.3*			*75-120*	*%REC*	1	11/20/2024 19:25
SOLUBLE CATIONS FOR SAR		Method: **SW6020B**			Prep: USDA Method 20B / 12/2/24		Analyst: **STP**
Calcium	**43**		**2.5**	**5.0**	**mg/L**	10	12/3/2024 19:38
Magnesium	**8.8**		**0.50**	**2.0**	**mg/L**	10	12/3/2024 19:38
Sodium	**13**		**1.8**	**2.0**	**mg/L**	10	12/3/2024 19:38
HOT WATER SOLUBLE BORON BY ICP-MS		Method: **SW6020B**			Prep: EXTRACT / 11/26/24		Analyst: **MTK**
Boron (Hot Water Soluble)	**0.26**	J	**0.018**	**0.45**	**mg/Kg-dry**	10	12/2/2024 15:38
SODIUM ADSORPTION RATIO		Method: **USDA H60 METHOD 20B**			Prep: USDA Method 20B / 12/2/24		Analyst: **DSC**
Sodium Adsorption Ratio	**0.48**		**0.010**	**0.010**	**none**	1	12/3/2024
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)		Method: **SW8270E**			Prep: SW3546 / 11/25/24		Analyst: **SMT**
1-Methylnaphthalene	U		0.93	4.5	µg/Kg-dry	1	11/27/2024 06:53
2-Methylnaphthalene	U		1.1	4.5	µg/Kg-dry	1	11/27/2024 06:53
Acenaphthene	U		1.7	4.5	µg/Kg-dry	1	11/27/2024 06:53
Anthracene	U		0.83	4.5	µg/Kg-dry	1	11/27/2024 06:53
Benzo(a)anthracene	U		3.3	4.5	µg/Kg-dry	1	11/27/2024 06:53
Benzo(a)pyrene	U		3.1	4.5	µg/Kg-dry	1	11/27/2024 06:53
Benzo(b)fluoranthene	U		2.7	4.5	µg/Kg-dry	1	11/27/2024 06:53
Benzo(k)fluoranthene	U		0.68	4.5	µg/Kg-dry	1	11/27/2024 06:53
Chrysene	U		3.0	4.5	µg/Kg-dry	1	11/27/2024 06:53
Dibenzo(a,h)anthracene	U		2.6	4.5	µg/Kg-dry	1	11/27/2024 06:53
Fluoranthene	U		2.3	4.5	µg/Kg-dry	1	11/27/2024 06:53
Fluorene	U		1.1	4.5	µg/Kg-dry	1	11/27/2024 06:53
Indeno(1,2,3-cd)pyrene	U		3.1	4.5	µg/Kg-dry	1	11/27/2024 06:53
Naphthalene	U		0.86	4.5	µg/Kg-dry	1	11/27/2024 06:53
Pyrene	U		2.9	4.5	µg/Kg-dry	1	11/27/2024 06:53
Surr: 2-Fluorobiphenyl	*81.2*			*44-132*	*%REC*	1	11/27/2024 06:53
Surr: 4-Terphenyl-d14	*79.2*			*35-133*	*%REC*	1	11/27/2024 06:53
Surr: Nitrobenzene-d5	*102*			*30-133*	*%REC*	1	11/27/2024 06:53
VOLATILE ORGANIC COMPOUNDS - LOW LEVEL		Method: **SW8260D**					Analyst: **NTJ**

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Williams Midstream
Project: WPO188995
Sample ID: MU08@3.0'-3.5'
Collection Date: 11/15/2024 02:40 PM

Work Order: 24110559
Lab ID: 24110559-08
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trimethylbenzene	U		2.4	6.5	µg/Kg-dry	1.16	11/28/2024 08:07
1,3,5-Trimethylbenzene	U		2.1	6.5	µg/Kg-dry	1.16	11/28/2024 08:07
Benzene	U		0.68	6.5	µg/Kg-dry	1.16	11/28/2024 08:07
Ethylbenzene	U		1.1	6.5	µg/Kg-dry	1.16	11/28/2024 08:07
m,p-Xylene	U		2.9	3.3	µg/Kg-dry	1.16	11/28/2024 08:07
o-Xylene	U		1.6	3.3	µg/Kg-dry	1.16	11/28/2024 08:07
Toluene	U		2.3	6.5	µg/Kg-dry	1.16	11/28/2024 08:07
Xylenes, Total	U		2.9	6.5	µg/Kg-dry	1.16	11/28/2024 08:07
Surr: 1,2-Dichloroethane-d4	*110*			*83-132*	*%REC*	1.16	11/28/2024 08:07
Surr: 4-Bromofluorobenzene	*99.4*			*83-111*	*%REC*	1.16	11/28/2024 08:07
Surr: Dibromofluoromethane	*103*			*77-125*	*%REC*	1.16	11/28/2024 08:07
Surr: Toluene-d8	*93.8*			*86-108*	*%REC*	1.16	11/28/2024 08:07
ELECTRICAL CONDUCTIVITY (SAR)		Method:	**USDA H60 METHOD 20B**		Prep: USDA Method 20B / 12/2/24		Analyst: **JB**
Electrical Conductivity @ Saturation	**0.43**		**0.011**	**0.10**	**mmhos/cm @25°C**	20	12/4/2024 09:55
MOISTURE		Method:	**SW3550C**				Analyst: **ETC**
Moisture	**11**		**0.10**	**0.10**	**% of sample**	1	11/20/2024 20:45
PH MEASURED IN SOIL PASTE		Method:	**USDA METHOD 20B**		Prep: USDA Method 20B / 12/2/24		Analyst: **JB**
pH @ Saturation	**7.68**		**0.11**	**0.11**	**s.u.-dry**	1	12/4/2024 09:25

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Williams Midstream
Project: WPO188995
Sample ID: MU09@3.0'-3.5'
Collection Date: 11/15/2024 02:50 PM

Work Order: 24110559
Lab ID: 24110559-09
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID		Method: **SW8015C**			Prep: SW3546 / 11/25/24		Analyst: **QNG**
ERO (C10-C36)	**7.7**	J	**2.8**	**21**	**mg/Kg-dry**	1	11/26/2024 22:24
Surr: 4-Terphenyl-d14	*40.3*			*10-131*	*%REC*	1	11/26/2024 22:24
GASOLINE RANGE ORGANICS BY GC-FID		Method: **SW8015C**			Prep: SW5035A / 11/20/24		Analyst: **QNG**
GRO (C6-C10)	U		6,400	6,900	µg/Kg-dry	1	11/20/2024 19:03
Surr: Toluene-d8	*96.5*			*75-120*	*%REC*	1	11/20/2024 19:03
SOLUBLE CATIONS FOR SAR		Method: **SW6020B**			Prep: USDA Method 20B / 12/2/24		Analyst: **STP**
Calcium	**40**		**2.5**	**5.0**	**mg/L**	10	12/3/2024 19:40
Magnesium	**11**		**0.50**	**2.0**	**mg/L**	10	12/3/2024 19:40
Sodium	**6.2**		**1.8**	**2.0**	**mg/L**	10	12/3/2024 19:40
HOT WATER SOLUBLE BORON BY ICP-MS		Method: **SW6020B**			Prep: EXTRACT / 11/26/24		Analyst: **MTK**
Boron (Hot Water Soluble)	**0.26**	J	**0.017**	**0.41**	**mg/Kg-dry**	10	12/2/2024 15:43
SODIUM ADSORPTION RATIO		Method: **USDA H60 METHOD 20B**			Prep: USDA Method 20B / 12/2/24		Analyst: **DSC**
Sodium Adsorption Ratio	**0.22**		**0.010**	**0.010**	**none**	1	12/3/2024
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)		Method: **SW8270E**			Prep: SW3546 / 11/25/24		Analyst: **SMT**
1-Methylnaphthalene	U		0.90	4.4	µg/Kg-dry	1	11/27/2024 07:09
2-Methylnaphthalene	U		1.0	4.4	µg/Kg-dry	1	11/27/2024 07:09
Acenaphthene	U		1.7	4.4	µg/Kg-dry	1	11/27/2024 07:09
Anthracene	U		0.80	4.4	µg/Kg-dry	1	11/27/2024 07:09
Benzo(a)anthracene	U		3.2	4.4	µg/Kg-dry	1	11/27/2024 07:09
Benzo(a)pyrene	U		3.0	4.4	µg/Kg-dry	1	11/27/2024 07:09
Benzo(b)fluoranthene	U		2.7	4.4	µg/Kg-dry	1	11/27/2024 07:09
Benzo(k)fluoranthene	U		0.66	4.4	µg/Kg-dry	1	11/27/2024 07:09
Chrysene	U		2.9	4.4	µg/Kg-dry	1	11/27/2024 07:09
Dibenzo(a,h)anthracene	U		2.6	4.4	µg/Kg-dry	1	11/27/2024 07:09
Fluoranthene	U		2.2	4.4	µg/Kg-dry	1	11/27/2024 07:09
Fluorene	U		1.1	4.4	µg/Kg-dry	1	11/27/2024 07:09
Indeno(1,2,3-cd)pyrene	U		3.1	4.4	µg/Kg-dry	1	11/27/2024 07:09
Naphthalene	U		0.83	4.4	µg/Kg-dry	1	11/27/2024 07:09
Pyrene	U		2.8	4.4	µg/Kg-dry	1	11/27/2024 07:09
Surr: 2-Fluorobiphenyl	*80.9*			*44-132*	*%REC*	1	11/27/2024 07:09
Surr: 4-Terphenyl-d14	*72.1*			*35-133*	*%REC*	1	11/27/2024 07:09
Surr: Nitrobenzene-d5	*91.8*			*30-133*	*%REC*	1	11/27/2024 07:09
VOLATILE ORGANIC COMPOUNDS - LOW LEVEL		Method: **SW8260D**					Analyst: **NTJ**

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Williams Midstream
Project: WPO188995
Sample ID: MU09@3.0'-3.5'
Collection Date: 11/15/2024 02:50 PM

Work Order: 24110559
Lab ID: 24110559-09
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trimethylbenzene	U		2.0	5.5	µg/Kg-dry	1.02	11/28/2024 08:23
1,3,5-Trimethylbenzene	U		1.8	5.5	µg/Kg-dry	1.02	11/28/2024 08:23
Benzene	**4.2**	J	**0.57**	**5.5**	**µg/Kg-dry**	1.02	11/28/2024 08:23
Ethylbenzene	U		0.95	5.5	µg/Kg-dry	1.02	11/28/2024 08:23
m,p-Xylene	U		2.4	2.7	µg/Kg-dry	1.02	11/28/2024 08:23
o-Xylene	U		1.3	2.7	µg/Kg-dry	1.02	11/28/2024 08:23
Toluene	**2.9**	J	**1.9**	**5.5**	**µg/Kg-dry**	1.02	11/28/2024 08:23
Xylenes, Total	U		2.4	5.5	µg/Kg-dry	1.02	11/28/2024 08:23
Surr: 1,2-Dichloroethane-d4	*104*			*83-132*	*%REC*	1.02	11/28/2024 08:23
Surr: 4-Bromofluorobenzene	*98.8*			*83-111*	*%REC*	1.02	11/28/2024 08:23
Surr: Dibromofluoromethane	*101*			*77-125*	*%REC*	1.02	11/28/2024 08:23
Surr: Toluene-d8	*95.6*			*86-108*	*%REC*	1.02	11/28/2024 08:23
ELECTRICAL CONDUCTIVITY (SAR)		Method:	**USDA H60 METHOD 20B**		Prep: USDA Method 20B / 12/2/24		Analyst: **JB**
Electrical Conductivity @ Saturation	**0.67**		**0.011**	**0.10**	**mmhos/cm @25°C**	20	12/4/2024 09:55
MOISTURE		Method:	**SW3550C**				Analyst: **ETC**
Moisture	**6.9**		**0.10**	**0.10**	**% of sample**	1	11/20/2024 20:45
PH MEASURED IN SOIL PASTE		Method:	**USDA METHOD 20B**		Prep: USDA Method 20B / 12/2/24		Analyst: **JB**
pH @ Saturation	**4.67**		**0.11**	**0.11**	**s.u.-dry**	1	12/4/2024 09:25

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Williams Midstream
Project: WPO188995
Sample ID: MU10@3.0'-3.5'
Collection Date: 11/15/2024 03:30 PM

Work Order: 24110559
Lab ID: 24110559-10
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID		Method: **SW8015C**			Prep: SW3546 / 11/25/24		Analyst: **QNG**
ERO (C10-C36)	U		2.7	20	mg/Kg-dry	1	11/26/2024 22:47
Surr: 4-Terphenyl-d14	*42.3*			*10-131*	*%REC*	1	11/26/2024 22:47
GASOLINE RANGE ORGANICS BY GC-FID		Method: **SW8015C**			Prep: SW5035A / 11/20/24		Analyst: **QNG**
GRO (C6-C10)	U		5,900	6,300	µg/Kg-dry	1	11/20/2024 23:30
Surr: Toluene-d8	*97.5*			*75-120*	*%REC*	1	11/20/2024 23:30
SOLUBLE CATIONS FOR SAR		Method: **SW6020B**			Prep: USDA Method 20B / 12/2/24		Analyst: **STP**
Calcium	**20**		**2.5**	**5.0**	**mg/L**	10	12/3/2024 19:41
Magnesium	**4.9**		**0.50**	**2.0**	**mg/L**	10	12/3/2024 19:41
Sodium	**3.9**		**1.8**	**2.0**	**mg/L**	10	12/3/2024 19:41
HOT WATER SOLUBLE BORON BY ICP-MS		Method: **SW6020B**			Prep: EXTRACT / 11/26/24		Analyst: **MTK**
Boron (Hot Water Soluble)	**0.27**	J	**0.017**	**0.42**	**mg/Kg-dry**	10	12/2/2024 15:45
SODIUM ADSORPTION RATIO		Method: **USDA H60 METHOD 20B**			Prep: USDA Method 20B / 12/2/24		Analyst: **DSC**
Sodium Adsorption Ratio	**0.20**		**0.010**	**0.010**	**none**	1	12/3/2024
POLYNUCLEAR AROMATIC HYDROCARBONS (SIM)		Method: **SW8270E**			Prep: SW3546 / 11/25/24		Analyst: **SMT**
1-Methylnaphthalene	U		0.88	4.3	µg/Kg-dry	1	11/27/2024 07:24
2-Methylnaphthalene	U		1.0	4.3	µg/Kg-dry	1	11/27/2024 07:24
Acenaphthene	U		1.6	4.3	µg/Kg-dry	1	11/27/2024 07:24
Anthracene	U		0.78	4.3	µg/Kg-dry	1	11/27/2024 07:24
Benzo(a)anthracene	U		3.1	4.3	µg/Kg-dry	1	11/27/2024 07:24
Benzo(a)pyrene	U		2.9	4.3	µg/Kg-dry	1	11/27/2024 07:24
Benzo(b)fluoranthene	U		2.6	4.3	µg/Kg-dry	1	11/27/2024 07:24
Benzo(k)fluoranthene	U		0.64	4.3	µg/Kg-dry	1	11/27/2024 07:24
Chrysene	U		2.8	4.3	µg/Kg-dry	1	11/27/2024 07:24
Dibenzo(a,h)anthracene	U		2.5	4.3	µg/Kg-dry	1	11/27/2024 07:24
Fluoranthene	U		2.1	4.3	µg/Kg-dry	1	11/27/2024 07:24
Fluorene	U		1.1	4.3	µg/Kg-dry	1	11/27/2024 07:24
Indeno(1,2,3-cd)pyrene	U		3.0	4.3	µg/Kg-dry	1	11/27/2024 07:24
Naphthalene	U		0.81	4.3	µg/Kg-dry	1	11/27/2024 07:24
Pyrene	U		2.7	4.3	µg/Kg-dry	1	11/27/2024 07:24
Surr: 2-Fluorobiphenyl	*82.7*			*44-132*	*%REC*	1	11/27/2024 07:24
Surr: 4-Terphenyl-d14	*84.2*			*35-133*	*%REC*	1	11/27/2024 07:24
Surr: Nitrobenzene-d5	*102*			*30-133*	*%REC*	1	11/27/2024 07:24
VOLATILE ORGANIC COMPOUNDS - LOW LEVEL		Method: **SW8260D**					Analyst: **NTJ**

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Williams Midstream
Project: WPO188995
Sample ID: MU10@3.0'-3.5'
Collection Date: 11/15/2024 03:30 PM

Work Order: 24110559
Lab ID: 24110559-10
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
1,2,4-Trimethylbenzene	U		2.2	6.1	µg/Kg-dry	1.16	11/28/2024 08:40
1,3,5-Trimethylbenzene	U		1.9	6.1	µg/Kg-dry	1.16	11/28/2024 08:40
Benzene	U		0.63	6.1	µg/Kg-dry	1.16	11/28/2024 08:40
Ethylbenzene	U		1.1	6.1	µg/Kg-dry	1.16	11/28/2024 08:40
m,p-Xylene	U		2.7	3.0	µg/Kg-dry	1.16	11/28/2024 08:40
o-Xylene	U		1.5	3.0	µg/Kg-dry	1.16	11/28/2024 08:40
Toluene	U		2.1	6.1	µg/Kg-dry	1.16	11/28/2024 08:40
Xylenes, Total	U		2.7	6.1	µg/Kg-dry	1.16	11/28/2024 08:40
Surr: 1,2-Dichloroethane-d4	*107*			*83-132*	*%REC*	1.16	11/28/2024 08:40
Surr: 4-Bromofluorobenzene	*101*			*83-111*	*%REC*	1.16	11/28/2024 08:40
Surr: Dibromofluoromethane	*101*			*77-125*	*%REC*	1.16	11/28/2024 08:40
Surr: Toluene-d8	*94.6*			*86-108*	*%REC*	1.16	11/28/2024 08:40
ELECTRICAL CONDUCTIVITY (SAR)		Method:	**USDA H60 METHOD 20B**		Prep: USDA Method 20B / 12/2/24		Analyst: **JB**
Electrical Conductivity @ Saturation	**0.67**		**0.011**	**0.10**	**mmhos/cm @25°C**	20	12/4/2024 09:55
MOISTURE		Method:	**SW3550C**				Analyst: **ETC**
Moisture	**4.8**		**0.10**	**0.10**	**% of sample**	1	11/20/2024 20:45
PH MEASURED IN SOIL PASTE		Method:	**USDA METHOD 20B**		Prep: USDA Method 20B / 12/2/24		Analyst: **JB**
pH @ Saturation	**3.31**		**0.11**	**0.11**	**s.u.-dry**	1	12/4/2024 09:25

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 05-Dec-24

Client: Williams Midstream

Work Order: 24110559

Project: WPO188995

QC BATCH REPORT

Batch ID: **249674** Instrument ID **GC8** Method: **SW8015C**

MBLK Sample ID: **MBLK-249674-249674** Units: **mg/Kg** Analysis Date: **11/26/2024 04:31 PM**

Client ID: Run ID: **GC8_241126A** SeqNo: **11280596** Prep Date: **11/25/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
ERO (C10-C36)	U	20								
Surr: 4-Terphenyl-d14	*0.35*	0	*0.828*	0	*42.3*	*10-131*	0			

LCS Sample ID: **LCS-249674-249674** Units: **mg/Kg** Analysis Date: **11/26/2024 04:55 PM**

Client ID: Run ID: **GC8_241126A** SeqNo: **11280597** Prep Date: **11/25/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
ERO (C10-C36)	687.5	20	833	0	82.5	54-114	0			
Surr: 4-Terphenyl-d14	*0.7333*	0	*0.828*	0	*88.6*	*10-131*	0			

MS Sample ID: **24110559-01B MS** Units: **mg/Kg** Analysis Date: **11/26/2024 07:17 PM**

Client ID: **MU01@3.0'-3.5'** Run ID: **GC8_241126A** SeqNo: **11280603** Prep Date: **11/25/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
ERO (C10-C36)	730.2	20	826.7	5.79	87.6	54-114	0			
Surr: 4-Terphenyl-d14	*0.7278*	0	*0.8217*	0	*88.6*	*10-131*	0			

MSD Sample ID: **24110559-01B MSD** Units: **mg/Kg** Analysis Date: **11/26/2024 07:40 PM**

Client ID: **MU01@3.0'-3.5'** Run ID: **GC8_241126A** SeqNo: **11280604** Prep Date: **11/25/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
ERO (C10-C36)	705	19	801.1	5.79	87.3	54-114	730.2	3.5	30	
Surr: 4-Terphenyl-d14	*0.7373*	0	*0.7963*	0	*92.6*	*10-131*	0.7278	*1.3*	*30*	

The following samples were analyzed in this batch:

24110559-01B	24110559-02B	24110559-03B
24110559-04B	24110559-05B	24110559-06B
24110559-07B	24110559-08B	24110559-09B
24110559-10B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Williams Midstream
Work Order: 24110559
Project: WPO188995

QC BATCH REPORT

Batch ID: **249503** Instrument ID **GC9** Method: **SW8015C**

MBLK	Sample ID: **MBLK-249503-249503**				Units: **µg/Kg-dry**			Analysis Date: **11/20/2024 06:40 PM**			
Client ID:	Run ID: **GC9_241120A**				SeqNo: **11268247**			Prep Date: **11/20/2024**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	U	5,000	0	0	0		0			
Surr: Toluene-d8	*4972*	0	*5000*	0	*99.4*	*75-120*	0			

LCS	Sample ID: **LCS-249503-249503**				Units: **µg/Kg-dry**			Analysis Date: **11/20/2024 05:56 PM**			
Client ID:	Run ID: **GC9_241120A**				SeqNo: **11268246**			Prep Date: **11/20/2024**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	216000	5,000	250000	0	86.4	63-126	0			
Surr: Toluene-d8	*4890*	0	*5000*	0	*97.8*	*75-120*	0			

MS	Sample ID: **24110559-10D MS**				Units: **µg/Kg-dry**			Analysis Date: **11/21/2024 01:22 AM**			
Client ID: **MU10@3.0'-3.5'**	Run ID: **GC9_241120A**				SeqNo: **11268261**			Prep Date: **11/20/2024**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	303600	6,300	313800	0	96.8	63-126	0			
Surr: Toluene-d8	*6241*	0	*6275*	0	*99.5*	*75-120*	0			

MSD	Sample ID: **24110559-10D MSD**				Units: **µg/Kg-dry**			Analysis Date: **11/21/2024 01:45 AM**			
Client ID: **MU10@3.0'-3.5'**	Run ID: **GC9_241120A**				SeqNo: **11268262**			Prep Date: **11/20/2024**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	310500	6,300	313800	0	99	63-126	303600	2.27	30	
Surr: Toluene-d8	*6445*	0	*6275*	0	*103*	*75-120*	6241	*3.22*	*30*	

The following samples were analyzed in this batch:

24110559-01D	24110559-02D	24110559-03D
24110559-04D	24110559-05D	24110559-06D
24110559-07D	24110559-08D	24110559-09D
24110559-10D		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Williams Midstream
Work Order: 24110559
Project: WPO188995

QC BATCH REPORT

Batch ID: **249778** Instrument ID **ICPMS4** Method: **SW6020B**

MBLK Sample ID: **MBLK-249778-249778** Units: **mg/Kg** Analysis Date: **12/2/2024 03:23 PM**
Client ID: Run ID: **ICPMS4_241202A** SeqNo: **11285883** Prep Date: **11/26/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron (Hot Water Soluble)	0.003318	0.040								J

LCS Sample ID: **LCS-249778-249778** Units: **mg/Kg** Analysis Date: **12/2/2024 03:24 PM**
Client ID: Run ID: **ICPMS4_241202A** SeqNo: **11285884** Prep Date: **11/26/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron (Hot Water Soluble)	0.8761	0.040	1	0	87.6	80-120	0			

The following samples were analyzed in this batch:

24110559-01B	24110559-02B	24110559-03B
24110559-04B	24110559-05B	24110559-06B
24110559-07B	24110559-08B	24110559-09B
24110559-10B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Williams Midstream
Work Order: 24110559
Project: WPO188995

QC BATCH REPORT

Batch ID: **249888** Instrument ID **ICPMS3** Method: **SW6020B**

DUP Sample ID: **24110559-01ADUP** Units: **mg/L** Analysis Date: **12/3/2024 07:23 PM**
Client ID: **MU01@3.0'-3.5'** Run ID: **ICPMS3_241203A** SeqNo: **11289198** Prep Date: **12/2/2024** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	39.39	5.0	0	0	0	0-0	28.69	31.4		
Magnesium	9.153	2.0	0	0	0	0-0	6.947	27.4		

DUP Sample ID: **24110559-01ADUP** Units: **mg/L** Analysis Date: **12/4/2024 02:13 PM**
Client ID: **MU01@3.0'-3.5'** Run ID: **ICPMS3_241204A** SeqNo: **11291977** Prep Date: **12/2/2024** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium	4.844	2.0	0	0	0	0-0	3.595	29.6		

The following samples were analyzed in this batch:

24110559-01A	24110559-02A	24110559-03A
24110559-04A	24110559-05A	24110559-06A
24110559-07A	24110559-08A	24110559-09A
24110559-10A		

Batch ID: **249888** Instrument ID **SAR** Method: **USDA H60 Metho**

DUP Sample ID: **24110559-01ADUP** Units: **none** Analysis Date: **12/3/2024**
Client ID: **MU01@3.0'-3.5'** Run ID: **SAR_241203A** SeqNo: **11292122** Prep Date: **12/2/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	0.1807	0.010	0	0	0		0.1562	14.5	50	

The following samples were analyzed in this batch:

24110559-01A	24110559-02A	24110559-03A
24110559-04A	24110559-05A	24110559-06A
24110559-07A	24110559-08A	24110559-09A
24110559-10A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Williams Midstream
Work Order: 24110559
Project: WPO188995

QC BATCH REPORT

Batch ID: **249673** Instrument ID **SVMS7** Method: **SW8270E**

MBLK Sample ID: **MBLK-249673-249673** Units: **µg/Kg** Analysis Date: **11/27/2024 04:02 AM**
Client ID: Run ID: **SVMS7_241126A** SeqNo: **11280277** Prep Date: **11/25/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	U	4.2								
2-Methylnaphthalene	U	4.2								
Acenaphthene	U	4.2								
Anthracene	U	4.2								
Benzo(a)anthracene	U	4.2								
Benzo(a)pyrene	U	4.2								
Benzo(b)fluoranthene	U	4.2								
Benzo(k)fluoranthene	U	4.2								
Chrysene	U	4.2								
Dibenzo(a,h)anthracene	U	4.2								
Fluoranthene	U	4.2								
Fluorene	U	4.2								
Indeno(1,2,3-cd)pyrene	U	4.2								
Naphthalene	U	4.2								
Pyrene	U	4.2								
Surr: 2-Fluorobiphenyl	*535.1*	0	*666.6*	0	*80.3*	*44-132*	0			
Surr: 4-Terphenyl-d14	*604.8*	0	*666.6*	0	*90.7*	*35-133*	0			
Surr: Nitrobenzene-d5	*797.9*	0	*666.6*	0	*120*	*30-133*	0			

LCS Sample ID: **LCS-249673-249673** Units: **µg/Kg** Analysis Date: **11/27/2024 04:17 AM**
Client ID: Run ID: **SVMS7_241126A** SeqNo: **11280278** Prep Date: **11/25/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	585.4	4.2	666.6	0	87.8	39-165	0			
2-Methylnaphthalene	527.5	4.2	666.6	0	79.1	32-158	0			
Acenaphthene	586	4.2	666.6	0	87.9	42-155	0			
Anthracene	614	4.2	666.6	0	92.1	41-155	0			
Benzo(a)anthracene	622.6	4.2	666.6	0	93.4	39-155	0			
Benzo(a)pyrene	569.4	4.2	666.6	0	85.4	36-158	0			
Benzo(b)fluoranthene	547.7	4.2	666.6	0	82.2	36-146	0			
Benzo(k)fluoranthene	507.7	4.2	666.6	0	76.2	36-150	0			
Chrysene	531.1	4.2	666.6	0	79.7	41-162	0			
Dibenzo(a,h)anthracene	548.3	4.2	666.6	0	82.3	27-167	0			
Fluoranthene	633.3	4.2	666.6	0	95	39-156	0			
Fluorene	562.6	4.2	666.6	0	84.4	37-153	0			
Indeno(1,2,3-cd)pyrene	580.5	4.2	666.6	0	87.1	24-171	0			
Naphthalene	570.4	4.2	666.6	0	85.6	43-156	0			
Pyrene	535	4.2	666.6	0	80.3	32-147	0			
Surr: 2-Fluorobiphenyl	*564.9*	0	*666.6*	0	*84.7*	*44-132*	0			
Surr: 4-Terphenyl-d14	*519.3*	0	*666.6*	0	*77.9*	*35-133*	0			
Surr: Nitrobenzene-d5	*748*	0	*666.6*	0	*112*	*30-133*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Williams Midstream
Work Order: 24110559
Project: WPO188995

QC BATCH REPORT

Batch ID: **249673** Instrument ID **SVMS7** Method: **SW8270E**

MS Sample ID: **24110559-04B MS** Units: **µg/Kg** Analysis Date: **11/27/2024 04:33 AM**
Client ID: **MU04@3.0'-3.5'** Run ID: **SVMS7_241126A** SeqNo: **11280279** Prep Date: **11/25/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	661.8	4.0	646	0	102	39-165	0			
2-Methylnaphthalene	600.5	4.0	646	0	93	32-158	0			
Acenaphthene	549.2	4.0	646	0	85	42-155	0			
Anthracene	611.9	4.0	646	0	94.7	41-155	0			
Benzo(a)anthracene	584.2	4.0	646	0	90.4	39-155	0			
Benzo(a)pyrene	583.7	4.0	646	0	90.4	36-158	0			
Benzo(b)fluoranthene	547.7	4.0	646	0	84.8	36-146	0			
Benzo(k)fluoranthene	588.8	4.0	646	0	91.1	36-150	0			
Chrysene	568	4.0	646	0	87.9	41-162	0			
Dibenzo(a,h)anthracene	605.9	4.0	646	0	93.8	27-167	0			
Fluoranthene	491.2	4.0	646	0	76	39-156	0			
Fluorene	593.4	4.0	646	0	91.9	37-153	0			
Indeno(1,2,3-cd)pyrene	633	4.0	646	0	98	24-171	0			
Naphthalene	580.4	4.0	646	0	89.8	43-156	0			
Pyrene	587.5	4.0	646	0	91	32-147	0			
Surr: 2-Fluorobiphenyl	*488.1*	0	*646*	0	*75.6*	*44-132*	0			
Surr: 4-Terphenyl-d14	*566*	0	*646*	0	*87.6*	*35-133*	0			
Surr: Nitrobenzene-d5	*832.8*	0	*646*	0	*129*	*30-133*	0			

MSD Sample ID: **24110559-04B MSD** Units: **µg/Kg** Analysis Date: **11/27/2024 04:49 AM**
Client ID: **MU04@3.0'-3.5'** Run ID: **SVMS7_241126A** SeqNo: **11280280** Prep Date: **11/25/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	613.6	4.1	659.8	0	93	39-165	661.8	7.56	30	
2-Methylnaphthalene	572.7	4.1	659.8	0	86.8	32-158	600.5	4.74	30	
Acenaphthene	567.6	4.1	659.8	0	86	42-155	549.2	3.3	30	
Anthracene	646.2	4.1	659.8	0	97.9	41-155	611.9	5.44	30	
Benzo(a)anthracene	639.5	4.1	659.8	0	96.9	39-155	584.2	9.05	30	
Benzo(a)pyrene	574.2	4.1	659.8	0	87	36-158	583.7	1.64	30	
Benzo(b)fluoranthene	498.6	4.1	659.8	0	75.6	36-146	547.7	9.4	30	
Benzo(k)fluoranthene	538.1	4.1	659.8	0	81.6	36-150	588.8	8.99	30	
Chrysene	619.5	4.1	659.8	0	93.9	41-162	568	8.67	30	
Dibenzo(a,h)anthracene	527.3	4.1	659.8	0	79.9	27-167	605.9	13.9	30	
Fluoranthene	530.8	4.1	659.8	0	80.5	39-156	491.2	7.76	30	
Fluorene	687.2	4.1	659.8	0	104	37-153	593.4	14.6	30	
Indeno(1,2,3-cd)pyrene	538.5	4.1	659.8	0	81.6	24-171	633	16.1	30	
Naphthalene	594.9	4.1	659.8	0	90.2	43-156	580.4	2.47	30	
Pyrene	622.6	4.1	659.8	0	94.4	32-147	587.5	5.81	30	
Surr: 2-Fluorobiphenyl	*516.5*	0	*659.8*	0	*78.3*	*44-132*	488.1	*5.66*	*30*	
Surr: 4-Terphenyl-d14	*603.1*	0	*659.8*	0	*91.4*	*35-133*	566	*6.34*	*30*	
Surr: Nitrobenzene-d5	*805*	0	*659.8*	0	*122*	*30-133*	832.8	*3.39*	*30*	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Williams Midstream
Work Order: 24110559
Project: WPO188995

QC BATCH REPORT

Batch ID: **249673** Instrument ID **SVMS7** Method: **SW8270E**

The following samples were analyzed in this batch:

24110559-01B	24110559-02B	24110559-03B
24110559-04B	24110559-05B	24110559-06B
24110559-07B	24110559-08B	24110559-09B
24110559-10B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Williams Midstream
Work Order: 24110559
Project: WPO188995

QC BATCH REPORT

Batch ID: **R415435** Instrument ID **VMS9** Method: **SW8260D**

MBLK Sample ID: **9V-BLKS1-241127-R415435** Units: **µg/Kg** Analysis Date: **11/27/2024 08:00 PM**
Client ID: Run ID: **VMS9_241127A** SeqNo: **11283310** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	U	5.0								
1,3,5-Trimethylbenzene	U	5.0								
Benzene	U	5.0								
Ethylbenzene	U	5.0								
m,p-Xylene	U	2.5								
o-Xylene	U	2.5								
Toluene	U	5.0								
Xylenes, Total	U	5.0								
Surr: 1,2-Dichloroethane-d4	*19.6*	0	*20*	0	*98*	*83-132*	0			
Surr: 4-Bromofluorobenzene	*19.34*	0	*20*	0	*96.7*	*83-111*	0			
Surr: Dibromofluoromethane	*19.3*	0	*20*	0	*96.5*	*77-125*	0			
Surr: Toluene-d8	*19.68*	0	*20*	0	*98.4*	*86-108*	0			

LCS Sample ID: **9V-LCSS1-241127-R415435** Units: **µg/Kg** Analysis Date: **11/27/2024 07:11 PM**
Client ID: Run ID: **VMS9_241127A** SeqNo: **11283308** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	20.33	5.0	20	0	102	71-133	0			
1,3,5-Trimethylbenzene	19.77	5.0	20	0	98.8	71-139	0			
Benzene	20.42	5.0	20	0	102	77-133	0			
Ethylbenzene	20.47	5.0	20	0	102	75-133	0			
m,p-Xylene	38.07	2.5	40	0	95.2	75-134	0			
o-Xylene	20.06	2.5	20	0	100	76-130	0			
Toluene	19.65	5.0	20	0	98.2	76-130	0			
Xylenes, Total	58.13	5.0	60	0	96.9	75-132	0			
Surr: 1,2-Dichloroethane-d4	*19.84*	0	*20*	0	*99.2*	*83-132*	0			
Surr: 4-Bromofluorobenzene	*20.2*	0	*20*	0	*101*	*83-111*	0			
Surr: Dibromofluoromethane	*20.77*	0	*20*	0	*104*	*77-125*	0			
Surr: Toluene-d8	*19.92*	0	*20*	0	*99.6*	*86-108*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Williams Midstream
Work Order: 24110559
Project: WPO188995

QC BATCH REPORT

Batch ID: **R415435** Instrument ID **VMS9** Method: **SW8260D**

MS Sample ID: **HN2409281-001 MS** Units: **µg/Kg** Analysis Date: **11/28/2024 01:55 AM**
Client ID: Run ID: **VMS9_241127A** SeqNo: **11283332** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	12.57	5.0	20	0	62.8	71-133	0			S
1,3,5-Trimethylbenzene	13.1	5.0	20	0	65.5	71-139	0			S
Benzene	15.55	5.0	20	0	77.8	77-133	0			
Ethylbenzene	14.2	5.0	20	0	71	75-133	0			S
m,p-Xylene	26.15	2.5	40	0	65.4	75-134	0			S
o-Xylene	13.91	2.5	20	0	69.6	76-130	0			S
Toluene	14	5.0	20	0	70	76-130	0			S
Xylenes, Total	40.06	5.0	60	0	66.8	75-132	0			S
Surr: 1,2-Dichloroethane-d4	*20.53*	0	*20*	0	*103*	*83-132*	0			
Surr: 4-Bromofluorobenzene	*19.66*	0	*20*	0	*98.3*	*83-111*	0			
Surr: Dibromofluoromethane	*20.56*	0	*20*	0	*103*	*77-125*	0			
Surr: Toluene-d8	*18.79*	0	*20*	0	*94*	*86-108*	0			

MSD Sample ID: **HN2409281-001 MSD** Units: **µg/Kg** Analysis Date: **11/28/2024 02:11 AM**
Client ID: Run ID: **VMS9_241127A** SeqNo: **11283333** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	12.69	5.0	20	0	63.4	71-133	12.57	0.95	30	S
1,3,5-Trimethylbenzene	13.04	5.0	20	0	65.2	71-139	13.1	0.459	30	S
Benzene	15.12	5.0	20	0	75.6	77-133	15.55	2.8	30	S
Ethylbenzene	13.77	5.0	20	0	68.8	75-133	14.2	3.07	30	S
m,p-Xylene	25.61	2.5	40	0	64	75-134	26.15	2.09	30	S
o-Xylene	13.72	2.5	20	0	68.6	76-130	13.91	1.38	30	S
Toluene	13.59	5.0	20	0	68	76-130	14	2.97	30	S
Xylenes, Total	39.33	5.0	60	0	65.6	75-132	40.06	1.84	30	S
Surr: 1,2-Dichloroethane-d4	*19.67*	0	*20*	0	*98.4*	*83-132*	20.53	*4.28*	*30*	
Surr: 4-Bromofluorobenzene	*19.64*	0	*20*	0	*98.2*	*83-111*	19.66	*0.102*	*30*	
Surr: Dibromofluoromethane	*21.13*	0	*20*	0	*106*	*77-125*	20.56	*2.73*	*30*	
Surr: Toluene-d8	*18.85*	0	*20*	0	*94.2*	*86-108*	18.79	*0.319*	*30*	

The following samples were analyzed in this batch:

24110559-01D	24110559-02D	24110559-03D
24110559-04D	24110559-05D	24110559-06D

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Williams Midstream
Work Order: 24110559
Project: WPO188995

QC BATCH REPORT

Batch ID: **R415437** Instrument ID **VMS9** Method: **SW8260D**

MBLK Sample ID: **9V-BLKS3-241127-R415437** Units: **µg/Kg** Analysis Date: **11/28/2024 04:36 AM**
Client ID: Run ID: **VMS9_241127B** SeqNo: **11283347** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	U	5.0								
1,3,5-Trimethylbenzene	U	5.0								
Benzene	U	5.0								
Ethylbenzene	U	5.0								
m,p-Xylene	U	2.5								
o-Xylene	U	2.5								
Toluene	U	5.0								
Xylenes, Total	U	5.0								
Surr: 1,2-Dichloroethane-d4	*17.16*	0	*20*	0	*85.8*	*83-132*	0			
Surr: 4-Bromofluorobenzene	*19.09*	0	*20*	0	*95.4*	*83-111*	0			
Surr: Dibromofluoromethane	*19.01*	0	*20*	0	*95*	*77-125*	0			
Surr: Toluene-d8	*19.36*	0	*20*	0	*96.8*	*86-108*	0			

LCS Sample ID: **9V-LCSS3-241127-R415437** Units: **µg/Kg** Analysis Date: **11/28/2024 03:48 AM**
Client ID: Run ID: **VMS9_241127B** SeqNo: **11283345** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	19.57	5.0	20	0	97.8	71-133	0			
1,3,5-Trimethylbenzene	19.06	5.0	20	0	95.3	71-139	0			
Benzene	20.06	5.0	20	0	100	77-133	0			
Ethylbenzene	19.66	5.0	20	0	98.3	75-133	0			
m,p-Xylene	36.1	2.5	40	0	90.2	75-134	0			
o-Xylene	20.35	2.5	20	0	102	76-130	0			
Toluene	19.14	5.0	20	0	95.7	76-130	0			
Xylenes, Total	56.45	5.0	60	0	94.1	75-132	0			
Surr: 1,2-Dichloroethane-d4	*19.28*	0	*20*	0	*96.4*	*83-132*	0			
Surr: 4-Bromofluorobenzene	*19.72*	0	*20*	0	*98.6*	*83-111*	0			
Surr: Dibromofluoromethane	*19.9*	0	*20*	0	*99.5*	*77-125*	0			
Surr: Toluene-d8	*19.01*	0	*20*	0	*95*	*86-108*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Williams Midstream
Work Order: 24110559
Project: WPO188995

QC BATCH REPORT

Batch ID: **R415437** Instrument ID **VMS9** Method: **SW8260D**

MS Sample ID: **HN2409434-003 MS** Units: **µg/Kg** Analysis Date: **11/28/2024 09:45 AM**
Client ID: Run ID: **VMS9_241127B** SeqNo: **11283366** Prep Date: DF: **0.998**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	7.814	5.0	19.96	0	39.2	71-133	0			S
1,3,5-Trimethylbenzene	8.194	5.0	19.96	0	41	71-139	0			S
Benzene	14.05	5.0	19.96	0	70.4	77-133	0			S
Ethylbenzene	10.55	5.0	19.96	0	52.9	75-133	0			S
m,p-Xylene	19.27	2.5	39.92	0	48.3	75-134	0			S
o-Xylene	10.39	2.5	19.96	0	52.1	76-130	0			S
Toluene	11.37	5.0	19.96	0	56.9	76-130	0			S
Xylenes, Total	29.66	5.0	59.88	0	49.5	75-132	0			S
Surr: 1,2-Dichloroethane-d4	*20.45*	0	*19.96*	0	*102*	*83-132*	0			
Surr: 4-Bromofluorobenzene	*19.87*	0	*19.96*	0	*99.6*	*83-111*	0			
Surr: Dibromofluoromethane	*20.64*	0	*19.96*	0	*103*	*77-125*	0			
Surr: Toluene-d8	*19.47*	0	*19.96*	0	*97.6*	*86-108*	0			

MSD Sample ID: **HN2408434-003 MSD** Units: **µg/Kg** Analysis Date: **11/28/2024 10:01 AM**
Client ID: Run ID: **VMS9_241127B** SeqNo: **11283367** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	7.82	5.0	20	0	39.1	71-133	0			S
1,3,5-Trimethylbenzene	8.72	5.0	20	0	43.6	71-139	0			S
Benzene	14.49	5.0	20	0	72.4	77-133	0			S
Ethylbenzene	11.31	5.0	20	0	56.6	75-133	0			S
m,p-Xylene	20.16	2.5	40	0	50.4	75-134	0			S
o-Xylene	11.21	2.5	20	0	56	76-130	0			S
Toluene	12.28	5.0	20	0	61.4	76-130	0			S
Xylenes, Total	31.37	5.0	60	0	52.3	75-132	0			S
Surr: 1,2-Dichloroethane-d4	*20.49*	0	*20*	0	*102*	*83-132*	0			
Surr: 4-Bromofluorobenzene	*20*	0	*20*	0	*100*	*83-111*	0			
Surr: Dibromofluoromethane	*20.15*	0	*20*	0	*101*	*77-125*	0			
Surr: Toluene-d8	*19.31*	0	*20*	0	*96.6*	*86-108*	0			

The following samples were analyzed in this batch: 24110559-07D 24110559-08D 24110559-09D 24110559-10D

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Williams Midstream
Work Order: 24110559
Project: WPO188995

QC BATCH REPORT

Batch ID: **249888** Instrument ID **WETCHEM** Method: **USDA Method 20**

DUP Sample ID: **24110559-01A DUP** Units: **s.u.** Analysis Date: **12/4/2024 09:25 AM**

Client ID: **MU01@3.0'-3.5'** Run ID: **WETCHEM_241204B** SeqNo: **11290034** Prep Date: **12/2/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH @ Saturation	2.69	0.10	0	0	0	0-0	4.96	59.3	20	R

The following samples were analyzed in this batch:

24110559-01A	24110559-02A	24110559-03A
24110559-04A	24110559-05A	24110559-06A
24110559-07A	24110559-08A	24110559-09A
24110559-10A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Williams Midstream
Work Order: 24110559
Project: WPO188995

QC BATCH REPORT

Batch ID: **R415065** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **MBLK-R415065** Units: **% of sample** Analysis Date: **11/20/2024 08:45 PM**
Client ID: Run ID: **MOIST_241120B** SeqNo: **11268445** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	U	0.10								

LCS Sample ID: **LCS-R415065** Units: **% of sample** Analysis Date: **11/20/2024 08:45 PM**
Client ID: Run ID: **MOIST_241120B** SeqNo: **11268444** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.10	100	0	100	98-102	0			

DUP Sample ID: **24110559-04C DUP** Units: **% of sample** Analysis Date: **11/20/2024 08:45 PM**
Client ID: **MU04@3.0'-3.5'** Run ID: **MOIST_241120B** SeqNo: **11268426** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	5.97	0.10	0	0	0	0-0	5.52	7.83	10	

DUP Sample ID: **24110593-01A DUP** Units: **% of sample** Analysis Date: **11/20/2024 08:45 PM**
Client ID: Run ID: **MOIST_241120B** SeqNo: **11268437** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	10.12	0.10	0	0	0	0-0	9.33	8.12	10	

The following samples were analyzed in this batch:

24110559-01C	24110559-02C	24110559-03C
24110559-04C	24110559-05C	24110559-06C
24110559-07C	24110559-08C	24110559-09C
24110559-10C		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

ALS Environmental
3352 128th Avenue
Holland, Michigan 49424
(Tel) 616.399.6070
(Fax) 616.399.6185

Chain-of-Custody

Turnaround time for samples received after 2 p.m. will be calculated beginning from the next business day.

Turnaround time for samples received Saturday will be calculated beginning from the next business day.

ALS WORKORDER #	

TURNAROUND TIME	Normal	SAMPLER	Adam Vains

PAGE	1	of	1

DISPOSAL	BY LAB	or	RETURN

PROJECT NAME	
PROJECT No.	
COMPANY NAME	Williams
SEND REPORT TO	Annette Garrigues
ADDRESS	
CITY / STATE / ZIP	
PHONE	
FAX	
E-MAIL	Annette.Garrigues@Williams.com

SITE ID	
EDD FORMAT	
PURCHASE ORDER	WPO188995
BILL TO COMPANY	Annette Garrigues

24110559

WILLIAMSMIDSTREAM: Williams Midstream

Project:

PARAMETER/METHOD REQUEST FOR ANALYSIS	
A	ERO C10-C36
B	GRO C6-C10
C	EC
D	SAR
E	pH (USDA method)
F	Hot water soluble Boron
G	BTEX/TMBs
H	Table 915-1 PAHs
I	
J	

LAB ID	FIELD ID	MATRIX	SAMPLE DATE	SAMPLE TIME	# OF BOTTLES	PRESERVATIVE	QC	A	B	C	D	E	F	G	H	I	J	SEE NOTES SECTION
	MU01@3.0'-3.5'	s	11/15/24	10:10	6	Yes		X	X	X	X	X	X	X	X			
	MU02@2.0'-2.5'	s	11/15/24	1035	6	Yes		X	X	X	X	X	X	X	X			
	MU03@3.0'-3.5'	s	11/15/24	1235	6	Yes		X	X	X	X	X	X	X	X			
	MU04@3.0'-3.5'	s	11/15/24	1250	6	Yes		X	X	X	X	X	X	X	X			
	MU05@2.0'-2.5'	s	11/15/24	1358	6	Yes		X	X	X	X	X	X	X	X			
	MU06@3.0'-3.5'	s	11/15/24	1420	6	Yes		X	X	X	X	X	X	X	X			
	MU7@3.0'-3.5'	s	11/15/24	1430	6	Yes		X	X	X	X	X	X	X	X			
	MU8@3.0'-3.5'	s	11/15/24	1440	6	Yes		X	X	X	X	X	X	X	X			
	MU09@3.0'-3.5'	s	11/15/24	1450	6	Yes		X	X	X	X	X	X	X	X			
	MU10@3.0'-3.5'	s	11/15/24	1530	6	Yes		X	X	X	X	X	X	X	X			

*Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

NOTES
Logged BH 11/20/24 0950 DF2 5.1c

REPORT LEVEL / QC REQUIRED	
	Summary (Standard QC)
	LEVEL II (Standard QC)
	LEVEL III (Std QC + forms)
	LEVEL IV (Std QC + forms + raw data)

PRESERVATION KEY	1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaOH/ZnAcetate 6-NaHSO4 7-4°C 8-Other

Form 202r9

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	Adam Vains	~~Becky Sirotek~~		
RECEIVED BY				
RELINQUISHED BY	Adam Vains	Adam Vains	11-18-24	1560
RECEIVED BY				
RELINQUISHED BY	Fedex		11/19/24	0900
RECEIVED BY		Brittany Hayward	11/19/24	0900

ALS Group, USA
Holland, Michigan

Sample Receipt Checklist

Client Name: **WILLIAMSMIDSTREAM** Date/Time Received: **19-Nov-24 09:00**

Work Order: **24110559** Received by: **BYH**

Checklist completed by Brittany Hayward (eSignature) 20-Nov-24 (Date) Reviewed by: Chad Whelton (eSignature) 20-Nov-24 (Date)

Matrices: Soil
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	5.1/5.1 C	DF2	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	11/20/2024 9:50:46 AM		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction: