Site Information

Closure Report
Red Road SWD
Eddy County, New Mexico
Unit P Sec 26 T23S R31E
Incident #: nRM2022648125
32.270877°, -103.742313°

Produced Water Release
Source: Lightning strike to facility
Release Date: 07/31/2020
Volume Released: 1500 bbls/ Produced Water
Volume Recovered: 900 bbls/ Produced Water

Prepared for:
NGL Energy Partners, LLC
865 North Albion Street
Denver, CO 80220

Prepared by:
NTG Environmental
701 Tradewinds Blvd
Suite C
Midland, TX 79706

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APPENDICES

701 Tradewinds Boulevard, Suite C
Midland, Texas 79706
Tel. 432.685.3898
www.ntglobal.com

December 3, 2021

Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

Re: Closure Report
Red Road SWD
NGL Water Solutions Permian, LLC
Site Location: Unit P, S26, T23S, R31E
(Lat 32.271065º, Long -103.742313°)
Eddy County, New Mexico

To whom it may concern:

On behalf of NGL Water Solutions Permian, LLC. (NGL), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment and remediation activities for Red Road SWD. The site is located at 32.271065º, -103.742643° within Unit P, S26, T23S, R31E, and approximately 19.75 miles Northeast of Malaga, New Mexico, in Eddy County (Figures 1 and 2).

Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the leak was discovered on July 31, 2020, caused by a lightning strike that resulted in a fire. It resulted in the release of approximately one thousand and five hundred (1,500) barrels of produced water, and nine hundred (900) barrels of produced water were recovered. The impacted area measured approximately 45' x 65', as shown on Figure 3. The initial C-141 form is attached in Appendix A.

On October 10, 2020, a closure report was submitted to Chad Hensley with the NMOCD. The closure report was denied on July 9, 2020.

Site Characterization

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is two (2) known water sources within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.48 miles Southwest of the site in S26, T23S, R31E. The well has a reported depth to groundwater of 430 feet below ground surface (ft bgs). A copy of the associated *Point of Diversion Summary* report is attached in Appendix B.

Regulatory Criteria

In accordance with the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH (GRO + DRO + MRO): 2,500 mg/kg
- TPH (GRO + DRO): 1,000 mg/kg
- Chloride: 20,000 mg/kg

Site Assessment

On October 4, 2021, NTGE personnel were on site to horizontally and vertically define the release. A total of two sample points (S-1 and S-2) and five (5) horizontal sample points were installed to total depths ranging from surface to 4.5 ft below the surface. The soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Pace Laboratories and picked up in Midland, Texas, for chemical analysis. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015 modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports containing analytical methods, results, and chain-of-custody documents are attached in Appendix C. The analytical results are provided in Table 1. The sample locations are shown on Figure 3.

Referring to Table 1, the area of S-1 showed a high chloride concentration value of 719 mg/kg at a depth of 3.5' below surface. All other samples were below the NMOCD regulatory criteria for BTEX, TPH, and Chlorides.

Remediation Activities and Confirmation Sampling

New Tech Global Environmental personnel were onsite from November 8, 2021, through November 10, 2021, to supervise the remediation activities and collect confirmation samples. The area of S-1 was excavated to a depth of 4' below surface. The area of S-2 was excavated to a depth of 0.5' below surface.

A total of sixteen (16) confirmation samples were collected (CS-1 through CS-16), and ten (10) sidewall samples (SW-1 through SW-10) were collected every 200 square feet to ensure proper removal of the contaminated soils. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 2. The excavation depths and confirmation sample locations are shown in Figure 4.

All of the final confirmation samples were below the 19.15.29.12 NMAC criteria. Refer to Table 2.

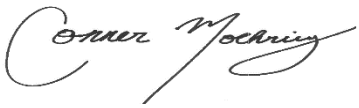
Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 260 cubic yards of material were excavated and transported offsite for proper disposal.

Conclusions

Based on the assessment finding and the analytical results, no further actions are required at the site. The final C-141 is attached, and NGL formally requests closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-0263.

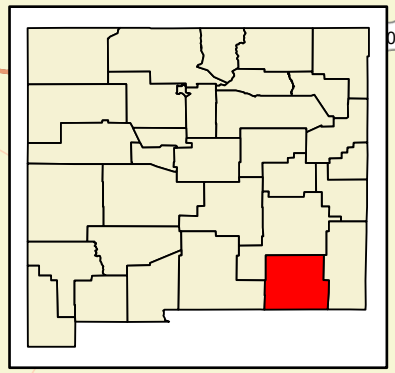
Sincerely,
NTG Environmental

Mike Carmona
Senior Project Manager



Conner Moehring
Project Manager

Figures



176

128

Jal Hwy

128

Red Road SWD

128

W NM Highway

Orla Rd

0 2 4 6 8
Miles

LEGEND

Site Location

SITE LOCATION MAP
NGL ENERGY PARTNERS
RED ROAD SWD
EDDY COUNTY, NEW MEXICO
32.271065, -103.742643

SCALE: As Shown | Date: 12/2/2021 | PROJECT #: 214692

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntglobal.com

NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1

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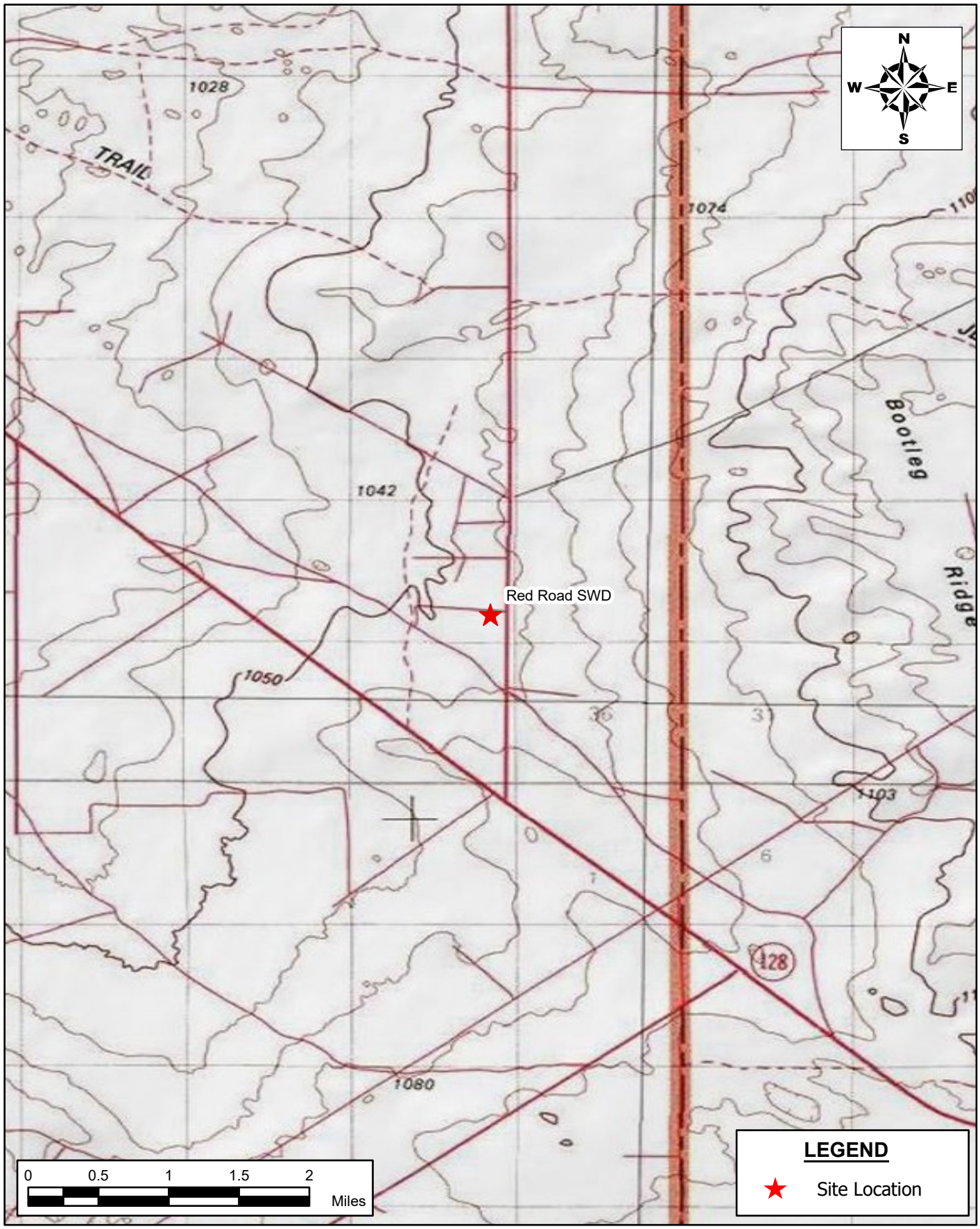

AREA MAP
NGL ENERGY PARTNERS
RED ROAD SWD
EDDY COUNTY, NEW MEXICO
32.271065, -103.742643

SCALE: As Shown	Date: 12/2/2021	PROJECT #: 214692

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FIGURE 2
SHEET NUMBER:
1 of 1

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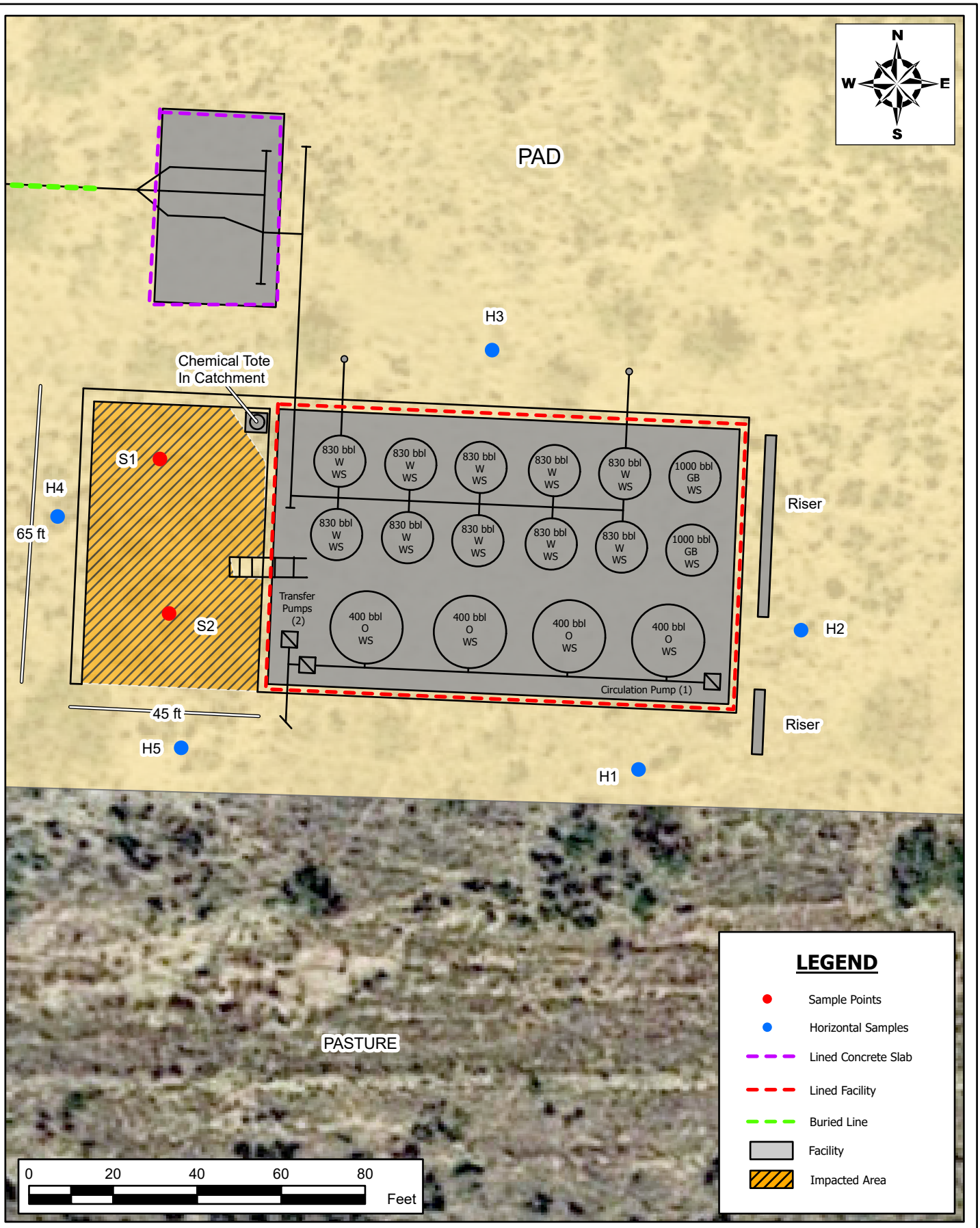

SAMPLE LOCATION MAP
NGL ENERGY PARTNERS
RED ROAD SWD
EDDY COUNTY, NEW MEXICO
32.271065, -103.742643

SCALE: Not To Scale | Date: 12/3/2021 | PROJECT #: 214692

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NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
1 of 1

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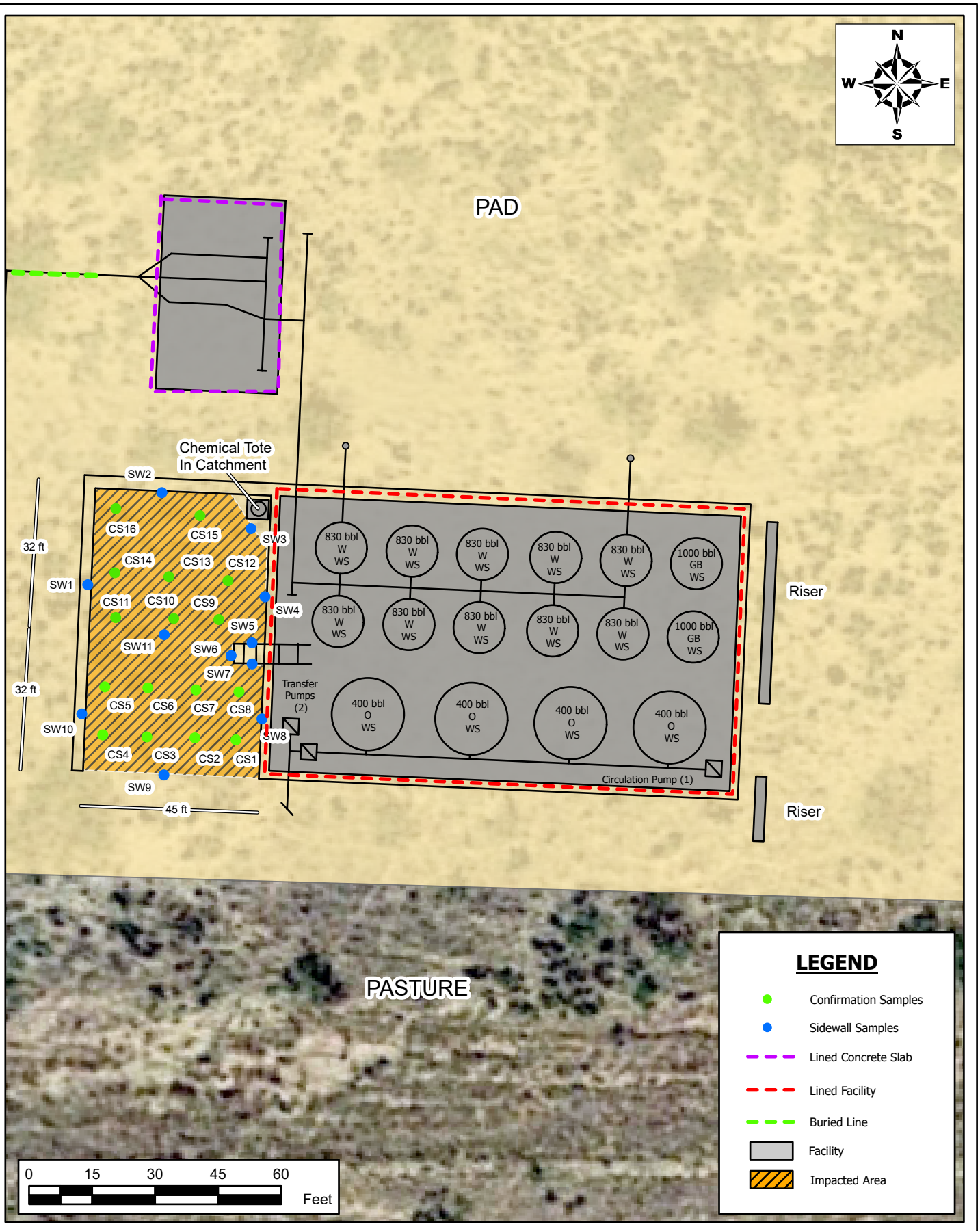

EXCAVATION DEPTH MAP
NGL ENERGY PARTNERS
RED ROAD SWD
EDDY COUNTY, NEW MEXICO
32.271065, -103.742643

SCALE: Not To Scale | Date: 12/3/2021 | PROJECT #: 214692

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NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 4
SHEET NUMBER:
1 of 1

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Tables

Table 1
NGL Energy Partners
Red Road SWD
Eddy County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			DRO	GRO	MRO	Total						
S-1	10/4/2021	0-1	2.42	ND	6.53	8.95	ND	0.000873	ND	0.000582	0.001455	543
	"	1-1.5	ND	ND	6.47	6.47	ND	ND	ND	ND	ND	202
	"	2-2.5	ND	ND	0.78	0.78	ND	ND	ND	ND	ND	281
	"	3-3.5	ND	ND	1.48	1.48	ND	ND	ND	ND	ND	**719**
	"	4-4.5	ND	ND	1.36	1.36	ND	ND	ND	ND	ND	364
S-2	10/4/2021	0-1	ND	ND	0.99	0.99	ND	ND	ND	ND	ND	41.5
	"	1-1.5	ND	ND	1.45	1.45	ND	ND	ND	ND	ND	40.8
	"	2-2.5	ND	ND	1.66	1.66	ND	ND	ND	ND	ND	29.8
	"	3-3.5	ND	ND	0.39	0.39	ND	ND	ND	0.000824	0.000824	52.0
	"	4-4.5	ND	ND	1.45	1.45	ND	ND	ND	0.000759	0.000759	114
H-1	10/4/2021	0-0.5	ND	ND	0.42	0.42	ND	ND	ND	ND	ND	47.4
H-2	10/4/2021	0-0.5	ND	ND	9.18	9.18	ND	ND	ND	ND	ND	11.9
H-3	10/4/2021	0-0.5	1.83	0.05	2.63	4.51	ND	0.000382	ND	ND	0.000382	29.6
H-4	10/4/2021	0-0.5	15.9	ND	26.4	42.3	ND	ND	ND	ND	ND	39.1
H-5	10/4/2021	0-0.5	5.5	ND	14.5	20.0	ND	ND	ND	ND	ND	13.6
Regulatory Limits [A]			**1,000 mg/kg**			**2,500 mg/kg**	**10 mg/kg**				**50 mg/kg**	**20,000 mg/kg**

- Removed

[A] – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

ND - Non Detect

NTGE Project No. 214692

Prepared by: NTG ENVIRONMENTAL

Table 2
NGL Energy Partners
Red Road SWD
Eddy County, New Mexico

Sample ID	Date	Excavation Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	11/10/2021	0.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	92.2
CS-2	11/10/2021	0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	58.4
CS-3	11/10/2021	0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	53.4
CS-4	11/10/2021	0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	86.4
CS-5	11/10/2021	0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	47.0
CS-6	11/10/2021	0.5	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	8.19
CS-7	11/10/2021	0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	86.6
CS-8	11/10/2021	0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	107
CS-9	11/10/2021	4.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	289
CS-10	11/10/2021	4.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	202
CS-11	11/10/2021	4.0	<50.0	53.5	<50.0	53.5	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	121
CS-12	11/10/2021	4.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	144
CS-13	11/10/2021	4.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	178
CS-14	11/10/2021	4.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	169
CS-15	11/10/2021	4.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	171
CS-16	11/10/2021	4.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	0.932
SW-1	11/10/2021	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	94.7
SW-2	11/10/2021	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	134
SW-3	11/10/2021	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	29.0
SW-4	11/10/2021	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	82.2
SW-5	11/10/2021	-	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	0.636
SW-6	11/10/2021	-	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	0.00413	0.00413	138
SW-7	11/10/2021	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	70.2
SW-8	11/10/2021	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	122
SW-9	11/10/2021	-	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	89.3
SW-10	11/10/2021	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	75.6
Regulatory Limits [A]			**1,000 mg/kg**			**2,500 mg/kg**	**10 mg/kg**				**50 mg/kg**	**20,000 mg/kg**

[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH- Total Petroleum Hydrocarbons
ft-feet

Photo Log

PHOTOGRAPHIC LOG

NGL Energy Partners, LLC

Photograph No. 1

Facility: Red Road SWD

County: Eddy County, New Mexico

Description:
View Northeast, area of burned facility and liner.

Photograph No. 2

Facility: Red Road SWD

County: Eddy County, New Mexico

Description:
View Northwest, area of confirmation samples (1 - 8).

Photograph No. 3

Facility: Red Road SWD

County: Eddy County, New Mexico

Description:
View Northeast, area of confirmation samples (9 - 16).

PHOTOGRAPHIC LOG

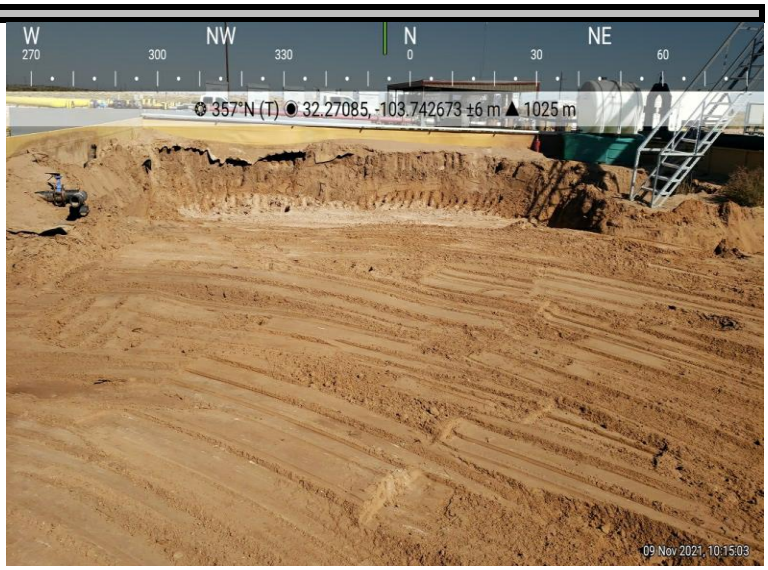
NGL Energy Partners, LLC

Photograph No. 4

Facility: Red Road SWD

County: Eddy County, New Mexico

Description:
View North, area of confirmation samples (1 - 16).



NTGE Project No.

Prepared by: NTG

Appendix A

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NRM2022648125
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: NGL Water Solutions Permian, LLC	OGRID: 372338
Contact Name: Joseph Vargo	Contact Telephone: (303) 815-1010
Contact email: Joseph.Vargo@nglep.com	Incident # *(assigned by OCD)*
Contact mailing address: 3773 Cherry Creek S. Drive, Suite 1000, Denver, CO 80209	

Location of Release Source

Latitude 32.266277 Longitude -103.742077

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Red Road SWD	Site Type: Saltwater Disposal Facility
Date Release Discovered: July 31, 2020	API# *(if applicable)* 30-015-45235

Unit Letter	Section	Township	Range	County
A	35	23S	31E	EDDY

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Name NGL Water Solutions Permian, LLC*)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) ~1500	Volume Recovered (bbls) ~900
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release: Lightning struck the facility causing a fire at roughly 3:47am		

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NRM2022648125
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? More than 25 bbls were released. The total of the amount above was mostly outside of containment.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Yes, at 10:38am, email sent by NGL's Joseph Vargo to Mike Bratcher, Robert Hamlet, Victoria Venegas, and Danny Smolik

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Joseph Vargo
Title: Regulatory Manager

Signature: _____
Date: 8/13/2020

email: joseph.vargo@nglep.com
Telephone: (303) 815-1010

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NRM2022648125
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	430 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☑ Yes ☐ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☑ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☑ Field data
- ☐ Data table of soil contaminant concentration data
- ☑ Depth to water determination
- ☑ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☑ Photographs including date and GIS information
- ☑ Topographic/Aerial maps
- ☑ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NRM2022648125
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Joseph Vargo Title: Director of Regulatory Affairs

Signature: Joseph Vargo Date: 12.03.21

email: JosephVargo@nglep.com Telephone: (303) 815-1010

OCD Only

Received by: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NRM2022648125
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☑ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☑ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☑ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☑ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Joseph Vargo Title: Director of Regulatory Affairs

Signature: Joseph Vargo Date: 12.03.21

email: Joseph.Vargo@nglep.com Telephone: (303) 815-1010

OCD Only

Received by: Chad Hensley Date: 12/30/2021

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Chad Hensley Date: 12/30/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

Appendix B

Nearest Water Well

NGL Energy Partners

Low Karst
NGL Energy Partners

Legend
LOW
Red Road SWD

797
128
Red Road SWD
128
128
128
N
3 mi
Google Earth

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 02258	C	ED		3	2	26	23S	31E	618055	3571853*	662		
C 02348	C	ED	1	4	3	26	23S	31E	617648	3571068	700	430	270
C 02492	CUB	ED	4	4	4	06	23S	31E	612056	3577320*	135	85	50
C 02492 POD2	C	ED	3	2	2	07	23S	31E	611767	3576996	400	125	275
C 02664	CUB	ED	3	3	2	05	23S	31E	613049	3578138*	4291	354	3937
C 02725	CUB	ED	1	1	1	05	23S	31E	612240	3578731*	532		
C 02773	CUB	ED	4	1	3	03	23S	31E	615668	3577762*	880		
C 02774	CUB	ED	3	1	3	04	23S	31E	613857	3577745*	1660		
C 02775	CUB	ED	1	1	1	05	23S	31E	612240	3578731*	529		
C 02776	CUB	ED	2	1	1	05	23S	31E	612440	3578731*	661		
C 02777	CUB	ED	4	4	4	10	23S	31E	616974	3575662	890		
C 02865	CUB	ED	4	4	4	06	23S	31E	612056	3577320*	174		
C 02954 EXPL	CUB	ED	3	1	4	20	23S	31E	613114	3572906*	905		
C 03140	CUB	ED	4	2	4	04	23S	31E	615266	3577758*	684		
C 03351	C	ED	4	1	4	04	23S	31E	614917	3577861	320	168	152
C 03520 POD1	C	ED	3	1	1	07	23S	31E	610733	3576905	500		
C 03749 POD1	CUB	ED		2	2	15	23S	31E	616974	3575662	865	639	226

Average Depth to Water: **300 feet**

Minimum Depth: **85 feet**

Maximum Depth: **639 feet**

Record Count: 17

PLSS Search:

Township: 23S **Range:** 31E

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	C 02348	1	4	3	26	23S	31E	617648	3571068

Driller License:	1654	**Driller Company:**	NOT WORKING FOR HIRE--SIRMAN DRILLING AND CONSTRUC		
Driller Name:					
Drill Start Date:	10/31/2013	**Drill Finish Date:**	11/01/2013	**Plug Date:**	
Log File Date:	11/07/2013	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	10 GPM
Casing Size:	6.00	**Depth Well:**	700 feet	**Depth Water:**	430 feet

Water Bearing Stratifications:	Top	Bottom	Description
	15	125	Sandstone/Gravel/Conglomerate
	315	700	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	560	620
	680	700

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321609103445901

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 321609103445901 23S.31E.26.34411

Eddy County, New Mexico
Latitude 32°16'11.9", Longitude 103°45'01.2" NAD83
Land-surface elevation 3,451.00 feet above NGVD29
The depth of the well is 365 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Dewey Lake Redbeds (312DYLK) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1959-02-04		D	62610		3194.13	NGVD29	3	Z		
1959-02-04		D	62611		3195.83	NAVD88	3	Z		
1959-02-04		D	72019	256.87			3	Z		
1972-09-20		D	62610		3200.53	NGVD29	1	Z		
1972-09-20		D	62611		3202.23	NAVD88	1	Z		
1972-09-20		D	72019	250.47			1	Z		
1988-03-17		D	62610		3201.98	NGVD29	1	S		
1988-03-17		D	62611		3203.68	NAVD88	1	S		
1988-03-17		D	72019	249.02			1	S		
2013-01-17	00:00 UTC	m	62610		3349.45	NGVD29	3	S	USGS	
2013-01-17	00:00 UTC	m	62611		3351.15	NAVD88	3	S	USGS	
2013-01-17	00:00 UTC	m	72019	101.55			3	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	3	True value is above reported value due to local conditions
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices
U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2021-09-21 18:21:39 EDT
0.28 0.24 nadww01

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	C 02405		4	1	02	24S	31E	617690	3568631*

Driller License: 1184 **Driller Company:** WEST TEXAS WATER WELL SERVICE

Driller Name: COLLIS, ROBERT E.

Drill Start Date:	09/29/1994	**Drill Finish Date:**	09/30/1994	**Plug Date:**	
Log File Date:	12/05/1994	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	75 GPM
Casing Size:	6.63	**Depth Well:**	275 feet	**Depth Water:**	160 feet

Water Bearing Stratifications:	Top	Bottom	Description
	210	270	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	235	275

Meter Number:	5381	**Meter Make:**	ROCKWELL
Meter Serial Number:	37125202	**Meter Multiplier:**	10.0000
Number of Dials:	6	**Meter Type:**	Diversion
Unit of Measure:	Gallons	**Return Flow Percent:**	
Usage Multiplier:		**Reading Frequency:**	Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
03/27/2002	2002	14202	A	RPT		0	
04/05/2002	2002	0	A	RPT		0	
10/06/2002	2002	2	A	RPT		2.160	
01/01/2003	2002	4	A	RPT		2.016	
03/01/2003	2003	5	A	RPT		0.574	
03/20/2003	2003	5	A	RPT		0.263	
03/20/2003	2003	184139	A	RPT		0	
06/01/2003	2003	255705	A	ab		2.196	
12/01/2003	2003	406731	A	RPT		4.635	
01/01/2004	2003	476606	A	TW		2.144	
05/03/2004	2004	501326	A	TW		0.759	
08/11/2004	2004	547915	A	RPT		1.430	
04/27/2005	2005	704459	A	RPT		4.804	
12/29/2005	2005	23476	R	TW	Meter Rollover	9.790	

**YTD Meter Amounts:	Year	Amount
	2002	4.176
	2003	9.812
	2004	2.189
	2005	14.594

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

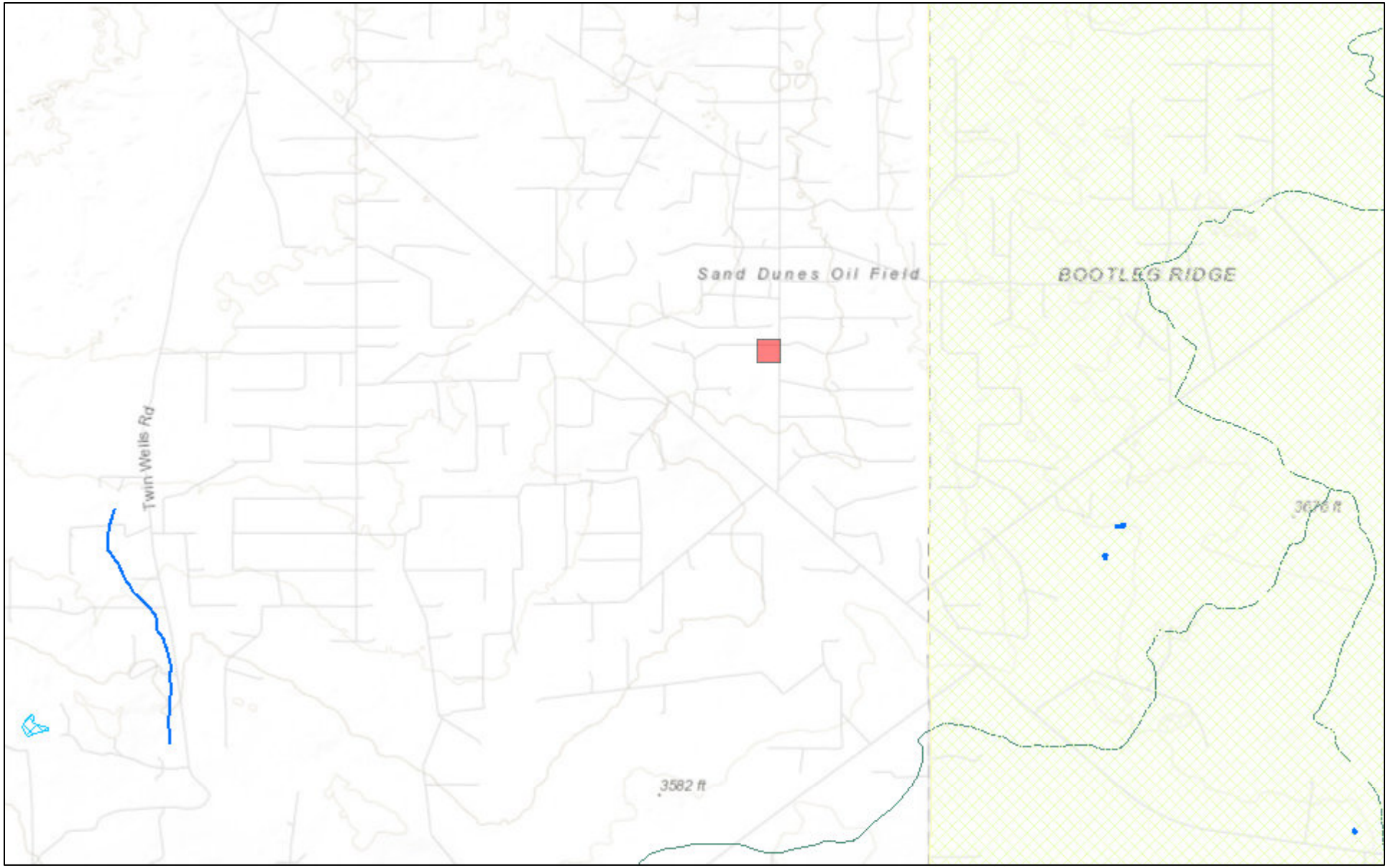
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 02464	2	3	1	02	24S	31E	617645	3568581

Driller License:	421	**Driller Company:**	GLENN'S WATER WELL SERVICE		
Driller Name:	GLENN, CLARK A."CORKY" (LD)				
Drill Start Date:	08/24/1995	**Drill Finish Date:**	08/24/1995	**Plug Date:**	
Log File Date:	09/07/1995	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	12 GPM
Casing Size:	6.63	**Depth Well:**	320 feet	**Depth Water:**	205 feet

Water Bearing Stratifications:	Top	Bottom	Description
	220	230	Sandstone/Gravel/Conglomerate
	230	245	Shale/Mudstone/Siltstone
	250	282	Shale/Mudstone/Siltstone

Casing Perforations:	Top	Bottom
	208	320

New Mexico NFHL Data



September 21, 2021

1:72,224

0 0.5 1 2 mi

0 1 2 4 km

FEMA

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,

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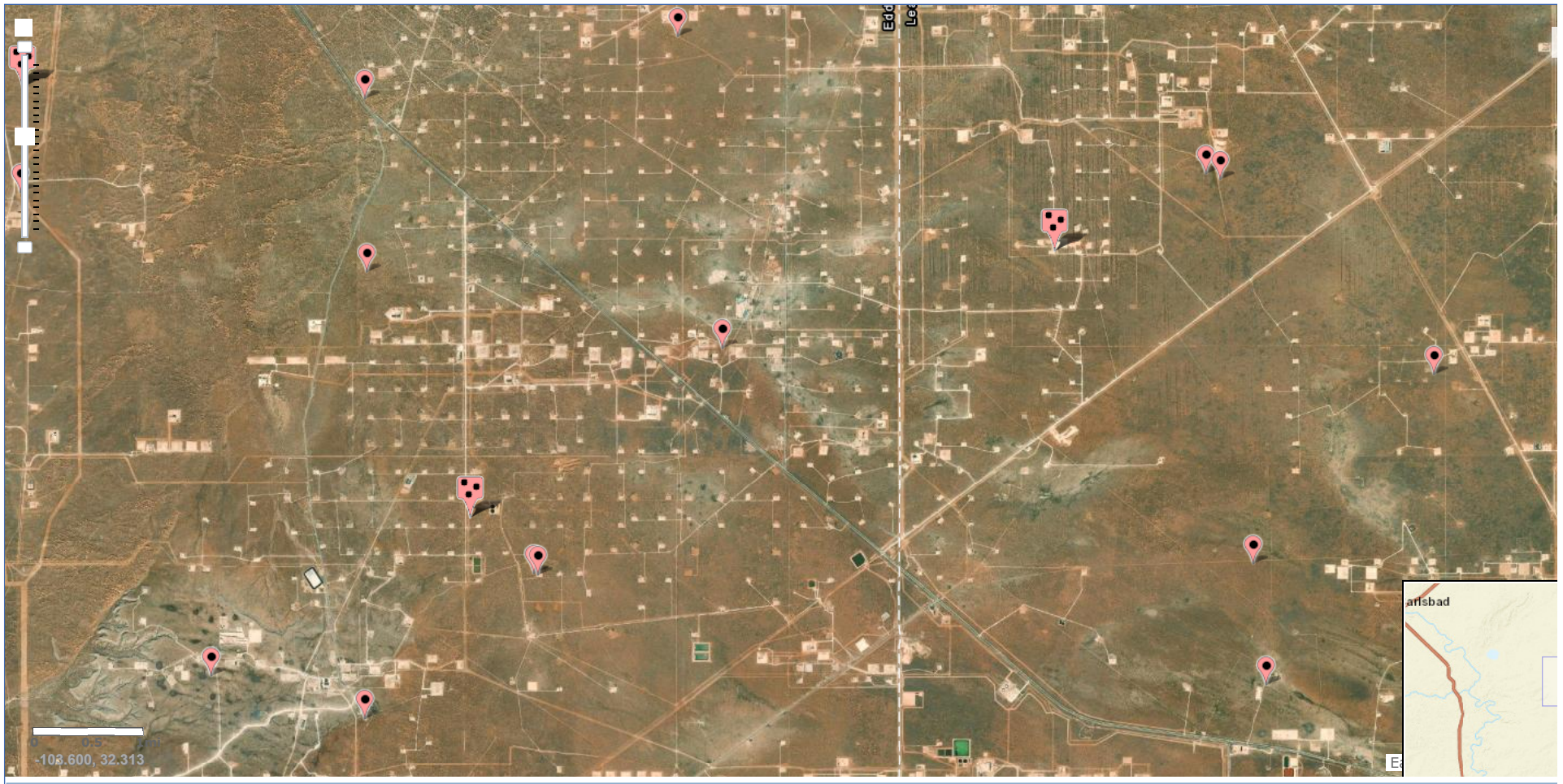
National Water Information System: Mapper



Site Information

Appendix C

Pace Analytical®

ANALYTICAL REPORT

October 22, 2021

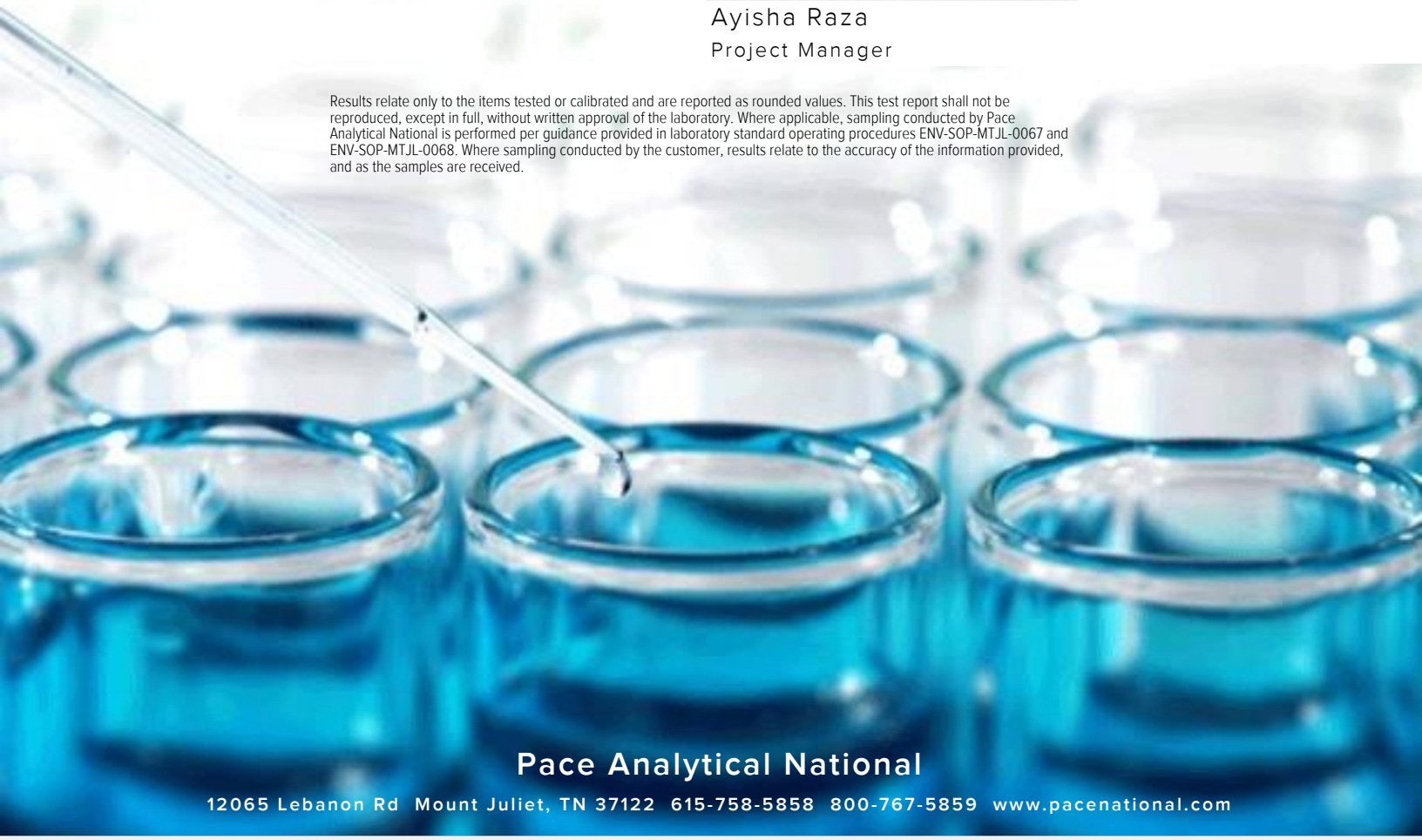
NGL Water Solutions, LLC - Denver,CO

Sample Delivery Group:	L1414287
Samples Received:	10/06/2021
Project Number:	214692
Description:	Red Road SWD
Site:	EDDY CO, NM
Report To:	Joseph Vargo
	865 North Albion Street
	Suite 400
	Denver, CO 80220

Entire Report Reviewed By:

Ayisha Raza
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

S-1 (0-1') L1414287-01 Solid

Collected by: CRM | Collected date/time: 10/04/21 00:00 | Received date/time: 10/06/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1754695	1	10/11/21 14:02	10/11/21 14:08	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1755548	1	10/12/21 21:03	10/13/21 00:50	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1757570	1	10/07/21 18:45	10/15/21 09:27	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1757172	1	10/15/21 19:21	10/16/21 14:02	JN	Mt. Juliet, TN

S-1 (1-1.5') L1414287-02 Solid

Collected by: CRM | Collected date/time: 10/04/21 00:00 | Received date/time: 10/06/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1754696	1	10/11/21 13:53	10/11/21 14:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1755548	1	10/12/21 21:03	10/13/21 00:59	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1757570	1	10/07/21 18:45	10/15/21 09:49	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1757172	1	10/15/21 19:21	10/16/21 14:15	JN	Mt. Juliet, TN

S-1 (2-2.5') L1414287-03 Solid

Collected by: CRM | Collected date/time: 10/04/21 00:00 | Received date/time: 10/06/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1754696	1	10/11/21 13:53	10/11/21 14:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1755548	1	10/12/21 21:03	10/13/21 01:09	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1757570	1	10/07/21 18:45	10/15/21 10:10	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1757188	1	10/15/21 19:24	10/16/21 22:48	JN	Mt. Juliet, TN

S-1 (3-3.5') L1414287-04 Solid

Collected by: CRM | Collected date/time: 10/04/21 00:00 | Received date/time: 10/06/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1754696	1	10/11/21 13:53	10/11/21 14:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1755548	1	10/12/21 21:03	10/13/21 01:38	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1757570	1	10/07/21 18:45	10/15/21 10:32	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1757188	1	10/15/21 19:24	10/16/21 23:01	JN	Mt. Juliet, TN

S-1 (4-4.5') L1414287-05 Solid

Collected by: CRM | Collected date/time: 10/04/21 00:00 | Received date/time: 10/06/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1754696	1	10/11/21 13:53	10/11/21 14:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1755548	1	10/12/21 21:03	10/13/21 01:47	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1757570	1	10/07/21 18:45	10/15/21 10:54	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1757188	1	10/15/21 19:24	10/16/21 23:15	JN	Mt. Juliet, TN

S-2 (0-1') L1414287-06 Solid

Collected by: CRM | Collected date/time: 10/04/21 00:00 | Received date/time: 10/06/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1754696	1	10/11/21 13:53	10/11/21 14:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1755548	1	10/12/21 21:03	10/13/21 01:57	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1757570	1	10/07/21 18:45	10/15/21 11:15	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1757188	1	10/15/21 19:24	10/16/21 23:28	JN	Mt. Juliet, TN

S-2 (1-1.5') L1414287-07 Solid

Collected by: CRM | Collected date/time: 10/04/21 00:00 | Received date/time: 10/06/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1754696	1	10/11/21 13:53	10/11/21 14:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1755548	1	10/12/21 21:03	10/13/21 02:06	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1757570	1	10/07/21 18:45	10/15/21 11:37	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1757188	1	10/15/21 19:24	10/16/21 23:42	JN	Mt. Juliet, TN

S-2 (2-2.5') L1414287-08 Solid

Collected by: CRM | Collected date/time: 10/04/21 00:00 | Received date/time: 10/06/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1754696	1	10/11/21 13:53	10/11/21 14:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1755548	1	10/12/21 21:03	10/13/21 02:16	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1757570	1	10/07/21 18:45	10/15/21 11:58	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1757188	1	10/15/21 19:24	10/16/21 23:55	JN	Mt. Juliet, TN

S-2 (3-3.5') L1414287-09 Solid

Collected by: CRM | Collected date/time: 10/04/21 00:00 | Received date/time: 10/06/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1754696	1	10/11/21 13:53	10/11/21 14:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1755548	1	10/12/21 21:03	10/13/21 02:25	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1757570	1	10/07/21 18:45	10/15/21 12:20	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1757188	1	10/15/21 19:24	10/17/21 00:09	JN	Mt. Juliet, TN

S-2 (4-4.5') L1414287-10 Solid

Collected by: CRM | Collected date/time: 10/04/21 00:00 | Received date/time: 10/06/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1754696	1	10/11/21 13:53	10/11/21 14:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1755548	5	10/12/21 21:03	10/13/21 02:35	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1757570	1	10/07/21 18:45	10/15/21 12:41	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1757188	1	10/15/21 19:24	10/17/21 00:22	JN	Mt. Juliet, TN

H-1 (0-0.5') L1414287-11 Solid

Collected by: CRM | Collected date/time: 10/04/21 00:00 | Received date/time: 10/06/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1754696	1	10/11/21 13:53	10/11/21 14:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1755548	1	10/12/21 21:03	10/13/21 02:44	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1757570	1	10/07/21 18:45	10/15/21 13:03	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1757188	1	10/15/21 19:24	10/17/21 01:02	JN	Mt. Juliet, TN

H-2 (0-0.5') L1414287-12 Solid

Collected by: CRM | Collected date/time: 10/04/21 00:00 | Received date/time: 10/06/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1754698	1	10/12/21 09:34	10/12/21 09:40	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1755548	1	10/12/21 21:03	10/13/21 02:54	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1757570	1	10/07/21 18:45	10/15/21 13:24	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1757188	1	10/15/21 19:24	10/17/21 01:16	JN	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

H-3 (0-0.5') L1414287-13 Solid

Collected by	Collected date/time	Received date/time
CRM	10/04/21 00:00	10/06/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1754698	1	10/12/21 09:34	10/12/21 09:40	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1755548	1	10/12/21 21:03	10/13/21 03:03	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1761559	1	10/07/21 18:45	10/22/21 11:33	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1757188	1	10/15/21 19:24	10/17/21 01:29	JN	Mt. Juliet, TN

H-4 (0-0.5') L1414287-14 Solid

Collected by	Collected date/time	Received date/time
CRM	10/04/21 00:00	10/06/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1754698	1	10/12/21 09:34	10/12/21 09:40	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1755556	1	10/13/21 01:15	10/13/21 05:33	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1758009	1	10/07/21 18:45	10/15/21 17:28	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1757188	1	10/15/21 19:24	10/17/21 01:43	JN	Mt. Juliet, TN

H-5 (0-0.5') L1414287-15 Solid

Collected by	Collected date/time	Received date/time
CRM	10/04/21 00:00	10/06/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1754698	1	10/12/21 09:34	10/12/21 09:40	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1755556	1	10/13/21 01:15	10/13/21 05:43	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1758009	1	10/07/21 18:45	10/15/21 17:50	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1757188	1	10/15/21 19:24	10/17/21 01:56	JN	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Ayisha Raza
Project Manager

S-1 (0-1')
Collected date/time: 10/04/21 00:00
L1414287

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.1		1	10/11/2021 14:08	WG1754695

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	543		9.48	20.6	1	10/13/2021 00:50	WG1755548

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000124	0.000515	1	10/15/2021 09:27	WG1757570
Toluene	0.000873	J	0.000154	0.00515	1	10/15/2021 09:27	WG1757570
Ethylbenzene	U		0.000113	0.000515	1	10/15/2021 09:27	WG1757570
Total Xylene	0.000582	J	0.000474	0.00154	1	10/15/2021 09:27	WG1757570
TPH (GC/FID) Low Fraction	U		0.0224	0.103	1	10/15/2021 09:27	WG1757570
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*		*10/15/2021 09:27*	WG1757570
(S) a,a,a-Trifluorotoluene(PID)	*102*			*72.0-128*		*10/15/2021 09:27*	WG1757570

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.42	J	1.66	4.12	1	10/16/2021 14:02	WG1757172
C28-C36 Motor Oil Range	6.53		0.282	4.12	1	10/16/2021 14:02	WG1757172
(S) o-Terphenyl	*48.8*			*18.0-148*		*10/16/2021 14:02*	WG1757172

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.4		1	10/11/2021 14:01	WG1754696

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	202		9.45	20.5	1	10/13/2021 00:59	WG1755548

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000123	0.000514	1	10/15/2021 09:49	WG1757570
Toluene	U		0.000154	0.00514	1	10/15/2021 09:49	WG1757570
Ethylbenzene	U		0.000113	0.000514	1	10/15/2021 09:49	WG1757570
Total Xylene	U		0.000473	0.00154	1	10/15/2021 09:49	WG1757570
TPH (GC/FID) Low Fraction	U		0.0223	0.103	1	10/15/2021 09:49	WG1757570
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*10/15/2021 09:49*	WG1757570
(S) a,a,a-Trifluorotoluene(PID)	*102*			*72.0-128*		*10/15/2021 09:49*	WG1757570

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.65	4.11	1	10/16/2021 14:15	WG1757172
C28-C36 Motor Oil Range	6.47		0.281	4.11	1	10/16/2021 14:15	WG1757172
(S) o-Terphenyl	*61.5*			*18.0-148*		*10/16/2021 14:15*	WG1757172

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.2		1	10/11/2021 14:01	WG1754696

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	281		9.56	20.8	1	10/13/2021 01:09	WG1755548

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000125	0.000520	1	10/15/2021 10:10	WG1757570
Toluene	U		0.000156	0.00520	1	10/15/2021 10:10	WG1757570
Ethylbenzene	U		0.000114	0.000520	1	10/15/2021 10:10	WG1757570
Total Xylene	U		0.000478	0.00156	1	10/15/2021 10:10	WG1757570
TPH (GC/FID) Low Fraction	U		0.0226	0.104	1	10/15/2021 10:10	WG1757570
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*10/15/2021 10:10*	WG1757570
(S) a,a,a-Trifluorotoluene(PID)	*102*			*72.0-128*		*10/15/2021 10:10*	WG1757570

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.67	4.16	1	10/16/2021 22:48	WG1757188
C28-C36 Motor Oil Range	0.787	J	0.285	4.16	1	10/16/2021 22:48	WG1757188
(S) o-Terphenyl	*61.5*			*18.0-148*		*10/16/2021 22:48*	WG1757188

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.6		1	10/11/2021 14:01	WG1754696

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	719		9.63	20.9	1	10/13/2021 01:38	WG1755548

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000126	0.000523	1	10/15/2021 10:32	WG1757570
Toluene	U		0.000157	0.00523	1	10/15/2021 10:32	WG1757570
Ethylbenzene	U		0.000115	0.000523	1	10/15/2021 10:32	WG1757570
Total Xylene	U		0.000481	0.00157	1	10/15/2021 10:32	WG1757570
TPH (GC/FID) Low Fraction	U		0.0227	0.105	1	10/15/2021 10:32	WG1757570
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*		*10/15/2021 10:32*	WG1757570
(S) a,a,a-Trifluorotoluene(PID)	*102*			*72.0-128*		*10/15/2021 10:32*	WG1757570

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.68	4.19	1	10/16/2021 23:01	WG1757188
C28-C36 Motor Oil Range	1.48	J	0.287	4.19	1	10/16/2021 23:01	WG1757188
(S) o-Terphenyl	*59.7*			*18.0-148*		*10/16/2021 23:01*	WG1757188

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.4		1	10/11/2021 14:01	WG1754696

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	364		9.54	20.7	1	10/13/2021 01:47	WG1755548

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000124	0.000519	1	10/15/2021 10:54	WG1757570
Toluene	U		0.000156	0.00519	1	10/15/2021 10:54	WG1757570
Ethylbenzene	U		0.000114	0.000519	1	10/15/2021 10:54	WG1757570
Total Xylene	U		0.000477	0.00156	1	10/15/2021 10:54	WG1757570
TPH (GC/FID) Low Fraction	U		0.0225	0.104	1	10/15/2021 10:54	WG1757570
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*		*10/15/2021 10:54*	WG1757570
(S) a,a,a-Trifluorotoluene(PID)	*102*			*72.0-128*		*10/15/2021 10:54*	WG1757570

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.67	4.15	1	10/16/2021 23:15	WG1757188
C28-C36 Motor Oil Range	1.36	J	0.284	4.15	1	10/16/2021 23:15	WG1757188
(S) o-Terphenyl	*62.5*			*18.0-148*		*10/16/2021 23:15*	WG1757188

S-2 (0-1')
Collected date/time: 10/04/21 00:00
L1414287

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.1		1	10/11/2021 14:01	WG1754696

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	41.5		10.1	21.9	1	10/13/2021 01:57	WG1755548

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000132	0.000549	1	10/15/2021 11:15	WG1757570
Toluene	U		0.000165	0.00549	1	10/15/2021 11:15	WG1757570
Ethylbenzene	U		0.000121	0.000549	1	10/15/2021 11:15	WG1757570
Total Xylene	U		0.000505	0.00165	1	10/15/2021 11:15	WG1757570
TPH (GC/FID) Low Fraction	U		0.0238	0.110	1	10/15/2021 11:15	WG1757570
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*		*10/15/2021 11:15*	WG1757570
(S) a,a,a-Trifluorotoluene(PID)	*102*			*72.0-128*		*10/15/2021 11:15*	WG1757570

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.77	4.39	1	10/16/2021 23:28	WG1757188
C28-C36 Motor Oil Range	0.999	J	0.301	4.39	1	10/16/2021 23:28	WG1757188
(S) o-Terphenyl	*48.9*			*18.0-148*		*10/16/2021 23:28*	WG1757188

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.8		1	10/11/2021 14:01	WG1754696

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	40.8		10.1	22.0	1	10/13/2021 02:06	WG1755548

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000132	0.000551	1	10/15/2021 11:37	WG1757570
Toluene	U		0.000165	0.00551	1	10/15/2021 11:37	WG1757570
Ethylbenzene	U		0.000121	0.000551	1	10/15/2021 11:37	WG1757570
Total Xylene	U		0.000507	0.00165	1	10/15/2021 11:37	WG1757570
TPH (GC/FID) Low Fraction	U		0.0239	0.110	1	10/15/2021 11:37	WG1757570
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*		*10/15/2021 11:37*	WG1757570
(S) a,a,a-Trifluorotoluene(PID)	*102*			*72.0-128*		*10/15/2021 11:37*	WG1757570

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.77	4.41	1	10/16/2021 23:42	WG1757188
C28-C36 Motor Oil Range	1.45	J	0.302	4.41	1	10/16/2021 23:42	WG1757188
(S) o-Terphenyl	*61.0*			*18.0-148*		*10/16/2021 23:42*	WG1757188

S-2 (2-2.5')
Collected date/time: 10/04/21 00:00
L1414287

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.1		1	10/11/2021 14:01	WG1754696

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	29.8		9.67	21.0	1	10/13/2021 02:16	WG1755548

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000126	0.000526	1	10/15/2021 11:58	WG1757570
Toluene	U		0.000158	0.00526	1	10/15/2021 11:58	WG1757570
Ethylbenzene	U		0.000116	0.000526	1	10/15/2021 11:58	WG1757570
Total Xylene	U		0.000484	0.00158	1	10/15/2021 11:58	WG1757570
TPH (GC/FID) Low Fraction	U		0.0228	0.105	1	10/15/2021 11:58	WG1757570
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*		*10/15/2021 11:58*	WG1757570
(S) a,a,a-Trifluorotoluene(PID)	*102*			*72.0-128*		*10/15/2021 11:58*	WG1757570

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.69	4.21	1	10/16/2021 23:55	WG1757188
C28-C36 Motor Oil Range	1.66	J	0.288	4.21	1	10/16/2021 23:55	WG1757188
(S) o-Terphenyl	*57.5*			*18.0-148*		*10/16/2021 23:55*	WG1757188

S-2 (3-3.5')
Collected date/time: 10/04/21 00:00
L1414287

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.6		1	10/11/2021 14:01	WG1754696

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	52.0		11.1	24.2	1	10/13/2021 02:25	WG1755548

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000145	0.000605	1	10/15/2021 12:20	WG1757570
Toluene	U		0.000182	0.00605	1	10/15/2021 12:20	WG1757570
Ethylbenzene	U		0.000133	0.000605	1	10/15/2021 12:20	WG1757570
Total Xylene	0.000824	J	0.000557	0.00182	1	10/15/2021 12:20	WG1757570
TPH (GC/FID) Low Fraction	U		0.0263	0.121	1	10/15/2021 12:20	WG1757570
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*10/15/2021 12:20*	WG1757570
(S) a,a,a-Trifluorotoluene(PID)	*102*			*72.0-128*		*10/15/2021 12:20*	WG1757570

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.95	4.84	1	10/17/2021 00:09	WG1757188
C28-C36 Motor Oil Range	0.388	J	0.332	4.84	1	10/17/2021 00:09	WG1757188
(S) o-Terphenyl	*54.7*			*18.0-148*		*10/17/2021 00:09*	WG1757188

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.0		1	10/11/2021 14:01	WG1754696

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	114		50.0	109	5	10/13/2021 02:35	WG1755548

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000130	0.000544	1	10/15/2021 12:41	WG1757570
Toluene	U		0.000163	0.00544	1	10/15/2021 12:41	WG1757570
Ethylbenzene	U		0.000120	0.000544	1	10/15/2021 12:41	WG1757570
Total Xylene	0.000759	J	0.000500	0.00163	1	10/15/2021 12:41	WG1757570
TPH (GC/FID) Low Fraction	U		0.0236	0.109	1	10/15/2021 12:41	WG1757570
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*		*10/15/2021 12:41*	WG1757570
(S) a,a,a-Trifluorotoluene(PID)	*102*			*72.0-128*		*10/15/2021 12:41*	WG1757570

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.75	4.35	1	10/17/2021 00:22	WG1757188
C28-C36 Motor Oil Range	1.45	J	0.298	4.35	1	10/17/2021 00:22	WG1757188
(S) o-Terphenyl	*52.4*			*18.0-148*		*10/17/2021 00:22*	WG1757188

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.9		1	10/11/2021 14:01	WG1754696

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	47.4		10.0	21.8	1	10/13/2021 02:44	WG1755548

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000131	0.000544	1	10/15/2021 13:03	WG1757570
Toluene	U		0.000163	0.00544	1	10/15/2021 13:03	WG1757570
Ethylbenzene	U		0.000120	0.000544	1	10/15/2021 13:03	WG1757570
Total Xylene	U		0.000500	0.00163	1	10/15/2021 13:03	WG1757570
TPH (GC/FID) Low Fraction	U		0.0236	0.109	1	10/15/2021 13:03	WG1757570
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*		*10/15/2021 13:03*	WG1757570
(S) a,a,a-Trifluorotoluene(PID)	*102*			*72.0-128*		*10/15/2021 13:03*	WG1757570

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.75	4.35	1	10/17/2021 01:02	WG1757188
C28-C36 Motor Oil Range	0.424	J	0.298	4.35	1	10/17/2021 01:02	WG1757188
(S) o-Terphenyl	*41.3*			*18.0-148*		*10/17/2021 01:02*	WG1757188

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.6		1	10/12/2021 09:40	WG1754698

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	11.9	J	9.62	20.9	1	10/13/2021 02:54	WG1755548

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000126	0.000523	1	10/15/2021 13:24	WG1757570
Toluene	U		0.000157	0.00523	1	10/15/2021 13:24	WG1757570
Ethylbenzene	U		0.000115	0.000523	1	10/15/2021 13:24	WG1757570
Total Xylene	U		0.000481	0.00157	1	10/15/2021 13:24	WG1757570
TPH (GC/FID) Low Fraction	U		0.0227	0.105	1	10/15/2021 13:24	WG1757570
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*10/15/2021 13:24*	WG1757570
(S) a,a,a-Trifluorotoluene(PID)	*101*			*72.0-128*		*10/15/2021 13:24*	WG1757570

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.68	4.18	1	10/17/2021 01:16	WG1757188
C28-C36 Motor Oil Range	9.18		0.287	4.18	1	10/17/2021 01:16	WG1757188
(S) o-Terphenyl	*59.6*			*18.0-148*		*10/17/2021 01:16*	WG1757188

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.8		1	10/12/2021 09:40	WG1754698

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	29.6		10.1	22.0	1	10/13/2021 03:03	WG1755548

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U	Q	0.000132	0.000550	1	10/22/2021 11:33	WG1761559
Toluene	0.000382	J Q	0.000165	0.00550	1	10/22/2021 11:33	WG1761559
Ethylbenzene	U	Q	0.000121	0.000550	1	10/22/2021 11:33	WG1761559
Total Xylene	U		0.000506	0.00165	1	10/22/2021 11:33	WG1761559
TPH (GC/FID) Low Fraction	0.0510	J Q	0.0239	0.110	1	10/22/2021 11:33	WG1761559
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*77.0-120*		*10/22/2021 11:33*	WG1761559
(S) a,a,a-Trifluorotoluene(PID)	*98.0*			*72.0-128*		*10/22/2021 11:33*	WG1761559

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	1.83	J	1.77	4.40	1	10/17/2021 01:29	WG1757188
C28-C36 Motor Oil Range	2.63	J	0.302	4.40	1	10/17/2021 01:29	WG1757188
(S) o-Terphenyl	*52.5*			*18.0-148*		*10/17/2021 01:29*	WG1757188

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.6		1	10/12/2021 09:40	WG1754698

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	39.1		9.62	20.9	1	10/13/2021 05:33	WG1755556

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000125	0.000523	1	10/15/2021 17:28	WG1758009
Toluene	U		0.000157	0.00523	1	10/15/2021 17:28	WG1758009
Ethylbenzene	U		0.000115	0.000523	1	10/15/2021 17:28	WG1758009
Total Xylene	U		0.000481	0.00157	1	10/15/2021 17:28	WG1758009
TPH (GC/FID) Low Fraction	U		0.0227	0.105	1	10/15/2021 17:28	WG1758009
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*		*10/15/2021 17:28*	WG1758009
(S) a,a,a-Trifluorotoluene(PID)	*102*			*72.0-128*		*10/15/2021 17:28*	WG1758009

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	15.9		1.68	4.18	1	10/17/2021 01:43	WG1757188
C28-C36 Motor Oil Range	26.4		0.287	4.18	1	10/17/2021 01:43	WG1757188
(S) o-Terphenyl	*44.3*			*18.0-148*		*10/17/2021 01:43*	WG1757188

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.1		1	10/12/2021 09:40	WG1754698

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	13.6	J	9.68	21.0	1	10/13/2021 05:43	WG1755556

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000126	0.000526	1	10/15/2021 17:50	WG1758009
Toluene	U		0.000158	0.00526	1	10/15/2021 17:50	WG1758009
Ethylbenzene	U		0.000116	0.000526	1	10/15/2021 17:50	WG1758009
Total Xylene	U		0.000484	0.00158	1	10/15/2021 17:50	WG1758009
TPH (GC/FID) Low Fraction	U		0.0228	0.105	1	10/15/2021 17:50	WG1758009
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*		*10/15/2021 17:50*	WG1758009
(S) a,a,a-Trifluorotoluene(PID)	*102*			*72.0-128*		*10/15/2021 17:50*	WG1758009

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	5.50		1.69	4.21	1	10/17/2021 01:56	WG1757188
C28-C36 Motor Oil Range	14.5		0.288	4.21	1	10/17/2021 01:56	WG1757188
(S) o-Terphenyl	*69.0*			*18.0-148*		*10/17/2021 01:56*	WG1757188

Method Blank (MB)

(MB) R3715130-1 10/11/21 14:08

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1414286-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1414286-11 10/11/21 14:08 • (DUP) R3715130-3 10/11/21 14:08

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	98.9	98.8	1	0.0605		10

Laboratory Control Sample (LCS)

(LCS) R3715130-2 10/11/21 14:08

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3715129-1 10/11/21 14:01

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1414287-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1414287-11 10/11/21 14:01 • (DUP) R3715129-3 10/11/21 14:01

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.9	92.0	1	0.120		10

Laboratory Control Sample (LCS)

(LCS) R3715129-2 10/11/21 14:01

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3715596-1 10/12/21 09:40

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1414287-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1414287-12 10/12/21 09:40 • (DUP) R3715596-3 10/12/21 09:40

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	95.6	95.7	1	0.0817		10

Laboratory Control Sample (LCS)

(LCS) R3715596-2 10/12/21 09:40

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3715790-1 10/12/21 23:14

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Chloride	U		9.20	20.0

L1414286-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1414286-12 10/13/21 00:12 • (DUP) R3715790-3 10/13/21 00:21

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	27.2	23.9	1	12.9		20

L1415012-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1415012-02 10/13/21 04:27 • (DUP) R3715790-7 10/13/21 04:36

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1260	1300	5	3.22		20

Laboratory Control Sample (LCS)

(LCS) R3715790-2 10/12/21 23:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	201	100	90.0-110	

L1415012-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1415012-02 10/13/21 03:41 • (MS) R3715790-5 10/13/21 04:07 • (MSD) R3715790-6 10/13/21 04:17

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	541	1230	1740	1760	95.0	98.4	1	80.0-120	E	E	1.06	20

Method Blank (MB)

(MB) R3715791-1 10/13/21 05:14

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Chloride	U		9.20	20.0

L1414293-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1414293-06 10/13/21 05:52 • (DUP) R3715791-3 10/13/21 06:02

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	10100	9950	20	1.80		20

L1414293-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1414293-16 10/13/21 08:15 • (DUP) R3715791-6 10/13/21 08:25

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1170	1080	5	8.60		20

Laboratory Control Sample (LCS)

(LCS) R3715791-2 10/13/21 05:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	201	101	90.0-110	

L1414293-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1414293-06 10/13/21 05:52 • (MS) R3715791-4 10/13/21 06:11 • (MSD) R3715791-5 10/13/21 06:21

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	572	10100	11700	12000	282	322	20	80.0-120	V	V	1.96	20

Method Blank (MB)

(MB) R3719784-3 10/15/21 06:35

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000120	0.000500
Toluene	U		0.000150	0.00500
Ethylbenzene	U		0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*
(S) a,a,a-Trifluorotoluene(PID)	*102*			*72.0-128*

Laboratory Control Sample (LCS)

(LCS) R3719784-1 10/15/21 05:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.21	76.5	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*96.3*	*77.0-120*	
(S) a,a,a-Trifluorotoluene(PID)			*104*	*72.0-128*	

Laboratory Control Sample (LCS)

(LCS) R3719784-2 10/15/21 05:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0452	90.4	76.0-121	
Toluene	0.0500	0.0457	91.4	80.0-120	
Ethylbenzene	0.0500	0.0465	93.0	80.0-124	
Total Xylene	0.150	0.146	97.3	37.0-160	
(S) a,a,a-Trifluorotoluene(FID)			*109*	*77.0-120*	
(S) a,a,a-Trifluorotoluene(PID)			*102*	*72.0-128*	

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3719862-3 10/15/21 17:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000120	0.000500
Toluene	U		0.000150	0.00500
Ethylbenzene	U		0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*
(S) a,a,a-Trifluorotoluene(PID)	*102*			*72.0-128*

Laboratory Control Sample (LCS)

(LCS) R3719862-1 10/15/21 16:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0496	99.2	76.0-121	
Toluene	0.0500	0.0513	103	80.0-120	
Ethylbenzene	0.0500	0.0512	102	80.0-124	
Total Xylene	0.150	0.160	107	37.0-160	
(S) a,a,a-Trifluorotoluene(FID)			*108*	*77.0-120*	
(S) a,a,a-Trifluorotoluene(PID)			*102*	*72.0-128*	

Laboratory Control Sample (LCS)

(LCS) R3719862-2 10/15/21 16:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.85	106	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*97.1*	*77.0-120*	
(S) a,a,a-Trifluorotoluene(PID)			*107*	*72.0-128*	

Method Blank (MB)

(MB) R3720048-3 10/22/21 11:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	0.000175	J	0.000120	0.000500
Toluene	U		0.000150	0.00500
Ethylbenzene	U		0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*96.8*			*77.0-120*
(S) a,a,a-Trifluorotoluene(PID)	*97.7*			*72.0-128*

Laboratory Control Sample (LCS)

(LCS) R3720048-1 10/22/21 09:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0523	105	76.0-121	
Toluene	0.0500	0.0480	96.0	80.0-120	
Ethylbenzene	0.0500	0.0486	97.2	80.0-124	
Total Xylene	0.150	0.155	103	37.0-160	
(S) a,a,a-Trifluorotoluene(FID)			*97.6*	*77.0-120*	
(S) a,a,a-Trifluorotoluene(PID)			*98.3*	*72.0-128*	

Laboratory Control Sample (LCS)

(LCS) R3720048-2 10/22/21 09:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.32	96.7	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*99.4*	*77.0-120*	
(S) a,a,a-Trifluorotoluene(PID)			*102*	*72.0-128*	

Method Blank (MB)

(MB) R3717447-1 10/16/21 11:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	*63.4*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3717447-2 10/16/21 11:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	37.8	75.6	50.0-150	
(S) o-Terphenyl			*69.8*	*18.0-148*	

L1414286-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1414286-07 10/16/21 13:13 • (MS) R3717447-3 10/16/21 13:27 • (MSD) R3717447-4 10/16/21 13:40

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	54.6	3.50	30.6	23.3	49.6	36.2	1	50.0-150	J6	J3 J6	27.0	20
(S) o-Terphenyl					*39.7*	*29.8*		*18.0-148*				

Method Blank (MB)

(MB) R3717448-1 10/16/21 22:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	*60.7*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3717448-2 10/16/21 22:34

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	36.4	72.8	50.0-150	
(S) o-Terphenyl			*69.7*	*18.0-148*	

L1414287-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1414287-10 10/17/21 00:22 • (MS) R3717448-3 10/17/21 00:35 • (MSD) R3717448-4 10/17/21 00:49

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	52.8	U	35.7	31.1	67.5	58.4	1	50.0-150			13.7	20
(S) o-Terphenyl					*64.5*	*57.0*		*18.0-148*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Chain of Custody

L14/4287

NTG ENVIRONMENTAL

Work Order No: _____

F189

Page 1 of (

Project Manager:	Mike Carmona	Bill to: (if different)	Joe Vargo
Company Name:	NTG Environmental	Company Name:	NGL
Address:	701 Tradewinds BLVD	Address:	865 North Albion Street, Suite 400
City, State ZIP:	Midland, TX 79706	City, State ZIP:	Denver, CO 80220
Phone:	432-813-0263	Email:	Joseph.Vargo@nglep.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Red Road SWD	Turn Around		Pres. Code	
Project Number:	214692	☑ Routine	☐ Rush		
Project Location	Eddy Co, NM	Due Date:			
Sampler's Name:	CRM	TAT starts the day received by the lab, if received by 4:30pm			
PO #:					

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO DI Water: H_2O

Cool: Cool MeOH: Me

HCL: HC HNO_3: HN

H_2S0_4: H_2 NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO+DRO+MRO)	Chloride 300	HOLD	Sample Comments
S-1 (0-1')	10/4/2021		X		G	1	X	X	X		-01
S-1 (1-1.5')	10/4/2021		X		G	1	X	X	X		-02
S-1 (2-2.5')	10/4/2021		X		G	1	X	X	X		-03
S-1 (3-3.5')	10/4/2021		X		G	1	X	X	X		-04
S-1 (4-4.5')	10/4/2021		X		G	1	X	X	X		-05
S-2 (0-1')	10/4/2021		X		G	1	X	X	X		-06
S-2 (1-1.5')	10/4/2021		X		G	1	X	X	X		-07
S-2 (2-2.5')	10/4/2021		X		G	1	X	X	X		-08
S-2 (3-3.5')	10/4/2021		X		G	1	X	X	X		-09
S-2 (4-4.5')	10/4/2021		X		G	1	X	X	X		-10

Additional Comments:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Bonnie Mackey		10/5/21 14:30	2		
3			4		
5			6		10/6/21 0915

DA+1:0.5 ATBL

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

L1414287

Page 1 of 1

Project Manager:	Mike Carmona	Bill to: (if different)	Joe Vargo
Company Name:	NTG Environmental	Company Name:	NGL
Address:	701 Tradewinds BLVD	Address:	865 North Albion Street, Suite 400
City, State ZIP:	Midland, TX 79706	City, State ZIP:	Denver, CO 80220
Phone:	432-813-0263	Email:	Joseph.Vargo@nglep.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Red Road SWD	Turn Around		Pres. Code	
Project Number:	214692	☑ Routine	☐ Rush		
Project Location	Eddy Co, NM	Due Date:			
Sampler's Name:	CRM	TAT starts the day received by the lab, if received by 4:30pm			
PO #:					
SAMPLE RECEIPT	Temp Blank: Yes No	Wet Ice:	Yes No		
Received Intact:	Yes No	Thermometer ID:			
Cooler Custody Seals:	Yes No N/A	Correction Factor:			
Sample Custody Seals:	Yes No N/A	Temperature Reading:			
Total Containers:		Corrected Temperature:			

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO+DRO+MRO)	Chloride 300	HOLD	Sample Comments
H-1 (0-0.5')	10/4/2021		X		G	1	X	X	X		-11
H-2 (0-0.5')	10/4/2021		X		G	1	X	X	X		-12
H-3 (0-0.5')	10/4/2021		X		G	1	X	X	X		-13
H-4 (0-0.5')	10/4/2021		X		G	1	X	X	X		-14
H-5 (0-0.5')	10/4/2021		X		G	1	X	X	X		-15

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RAD Screen <0.5 mR/hr:	Y N		

Additional Comments:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		10/5/21 14:30	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

0.4+.1=0.5 ATB

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1558-1
Laboratory Sample Delivery Group: Eddy County NM
Client Project/Site: Red Road SWD - 214692

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

JKRAMER

Authorized for release by:
11/22/2021 12:25:41 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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

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

Client: NT Global
Project/Site: Red Road SWD - 214692

Laboratory Job ID: 890-1558-1
SDG: Eddy County NM

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Job ID: 890-1558-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1558-1

Receipt
The samples were received on 11/10/2021 1:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-12122 and analytical batch 880-12115 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The RPD of the laboratory control sample (LCS) for preparation batch 880-12122 and analytical batch 880-12115 recovered outside control limits for the following analytes: m-Xylene & p-Xylene. Per the method, only the LCS or LCSD has to pass. LCSD was within limits; therefore data was accepted.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-12023 and analytical batch 880-12412 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-1 (0.5) (890-1558-1) and (MB 880-12023/5-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-12266 and 880-12266 and analytical batch 880-12630 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.The associated samples are: CS-9 (4) (890-1558-9), CS-10 (4) (890-1558-10), CS-11 (4) (890-1558-11), CS-12 (4) (890-1558-12), CS-13 (4) (890-1558-13), CS-14 (4) (890-1558-14), CS-15 (4) (890-1558-15), CS-16 (4) (890-1558-16), SW-1 (890-1558-17), SW-2 (890-1558-18), (890-1558-A-9-G MS) and (890-1558-A-9-H MSD).

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

Client Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: CS-1 (0.5)

Lab Sample ID: 890-1558-1
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/11/21 12:59	11/17/21 02:23	1
Toluene	<0.00202	U F1	0.00202		mg/Kg		11/11/21 12:59	11/17/21 02:23	1
Ethylbenzene	<0.00202	U F2 F1	0.00202		mg/Kg		11/11/21 12:59	11/17/21 02:23	1
m-Xylene & p-Xylene	<0.00403	U F1	0.00403		mg/Kg		11/11/21 12:59	11/17/21 02:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/11/21 12:59	11/17/21 02:23	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/11/21 12:59	11/17/21 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*11/11/21 12:59*	*11/17/21 02:23*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*11/11/21 12:59*	*11/17/21 02:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/16/21 09:36	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/11/21 16:22	11/12/21 12:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/21 16:22	11/12/21 12:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/21 16:22	11/12/21 12:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*11/11/21 16:22*	*11/12/21 12:20*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*11/11/21 16:22*	*11/12/21 12:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**92.2**		4.98		mg/Kg			11/19/21 19:48	1

Client Sample ID: CS-2 (0.5)

Lab Sample ID: 890-1558-2
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 02:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 02:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 02:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/11/21 12:59	11/17/21 02:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 02:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/11/21 12:59	11/17/21 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*11/11/21 12:59*	*11/17/21 02:49*	*1*

Client Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: CS-2 (0.5)

Lab Sample ID: 890-1558-2
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*11/11/21 12:59*	*11/17/21 02:49*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/16/21 09:36	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 13:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 13:25	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 13:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*114*		*70 - 130*	*11/11/21 16:22*	*11/12/21 13:25*	*1*
o-Terphenyl	*123*		*70 - 130*	*11/11/21 16:22*	*11/12/21 13:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**58.4**		4.95		mg/Kg			11/19/21 20:32	1

Client Sample ID: CS-3 (0.5)

Lab Sample ID: 890-1558-3
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 03:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 03:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 03:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/11/21 12:59	11/17/21 03:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 03:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/11/21 12:59	11/17/21 03:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*11/11/21 12:59*	*11/17/21 03:15*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*11/11/21 12:59*	*11/17/21 03:15*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/16/21 09:36	1

Client Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: CS-3 (0.5)

Lab Sample ID: 890-1558-3
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 0.5

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/11/21 16:22	11/12/21 13:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/11/21 16:22	11/12/21 13:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/11/21 16:22	11/12/21 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*11/11/21 16:22*	*11/12/21 13:47*	*1*
o-Terphenyl	*117*		*70 - 130*	*11/11/21 16:22*	*11/12/21 13:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**53.4**		4.99		mg/Kg			11/19/21 19:58	1

Client Sample ID: CS-4 (0.5)

Lab Sample ID: 890-1558-4
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 03:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 03:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 03:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/11/21 12:59	11/17/21 03:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 03:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/11/21 12:59	11/17/21 03:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*11/11/21 12:59*	*11/17/21 03:42*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*11/11/21 12:59*	*11/17/21 03:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/16/21 09:36	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/11/21 16:22	11/12/21 14:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/21 16:22	11/12/21 14:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/21 16:22	11/12/21 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*11/11/21 16:22*	*11/12/21 14:08*	*1*
o-Terphenyl	*130*		*70 - 130*	*11/11/21 16:22*	*11/12/21 14:08*	*1*

Client Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: CS-4 (0.5)

Lab Sample ID: 890-1558-4
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 0.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.4		5.04		mg/Kg			11/19/21 20:37	1

Client Sample ID: CS-5 (0.5)

Lab Sample ID: 890-1558-5
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 04:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 04:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 04:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/11/21 12:59	11/17/21 04:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 04:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/11/21 12:59	11/17/21 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*11/11/21 12:59*	*11/17/21 04:08*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*11/11/21 12:59*	*11/17/21 04:08*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/16/21 09:36	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/11/21 16:22	11/12/21 14:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/11/21 16:22	11/12/21 14:30	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/11/21 16:22	11/12/21 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*11/11/21 16:22*	*11/12/21 14:30*	*1*
o-Terphenyl	*119*		*70 - 130*	*11/11/21 16:22*	*11/12/21 14:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.0		5.00		mg/Kg			11/19/21 20:17	1

Client Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: CS-6 (0.5)

Lab Sample ID: 890-1558-6
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 04:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 04:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 04:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/11/21 12:59	11/17/21 04:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 04:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/11/21 12:59	11/17/21 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*11/11/21 12:59*	*11/17/21 04:34*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*11/11/21 12:59*	*11/17/21 04:34*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/16/21 09:36	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/11/21 16:22	11/12/21 14:52	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/11/21 16:22	11/12/21 14:52	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/11/21 16:22	11/12/21 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*11/11/21 16:22*	*11/12/21 14:52*	*1*
o-Terphenyl	*110*		*70 - 130*	*11/11/21 16:22*	*11/12/21 14:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.19**		4.95		mg/Kg			11/20/21 14:46	1

Client Sample ID: CS-7 (0.5)

Lab Sample ID: 890-1558-7
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 05:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 05:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 05:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/11/21 12:59	11/17/21 05:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 05:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/11/21 12:59	11/17/21 05:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*11/11/21 12:59*	*11/17/21 05:01*	*1*

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Client Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: CS-7 (0.5)

Lab Sample ID: 890-1558-7
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*11/11/21 12:59*	*11/17/21 05:01*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/16/21 09:36	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/11/21 16:22	11/12/21 15:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/11/21 16:22	11/12/21 15:14	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/11/21 16:22	11/12/21 15:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*119*		*70 - 130*	*11/11/21 16:22*	*11/12/21 15:14*	*1*
o-Terphenyl	*128*		*70 - 130*	*11/11/21 16:22*	*11/12/21 15:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.6**		4.97		mg/Kg			11/19/21 20:27	1

Client Sample ID: CS-8 (0.5)

Lab Sample ID: 890-1558-8
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/11/21 12:59	11/17/21 05:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/11/21 12:59	11/17/21 05:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/11/21 12:59	11/17/21 05:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/11/21 12:59	11/17/21 05:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/11/21 12:59	11/17/21 05:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/11/21 12:59	11/17/21 05:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*11/11/21 12:59*	*11/17/21 05:27*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*11/11/21 12:59*	*11/17/21 05:27*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/16/21 09:36	1

Client Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: CS-8 (0.5)

Lab Sample ID: 890-1558-8
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 0.5

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 15:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 15:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*11/11/21 16:22*	*11/12/21 15:35*	*1*
o-Terphenyl	*123*		*70 - 130*	*11/11/21 16:22*	*11/12/21 15:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**107**		4.98		mg/Kg			11/19/21 20:42	1

Client Sample ID: CS-9 (4)

Lab Sample ID: 890-1558-9
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 05:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 05:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 05:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/11/21 12:59	11/17/21 05:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 05:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/11/21 12:59	11/17/21 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*11/11/21 12:59*	*11/17/21 05:54*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*11/11/21 12:59*	*11/17/21 05:54*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/16/21 09:36	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/11/21 16:22	11/12/21 15:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/11/21 16:22	11/12/21 15:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/11/21 16:22	11/12/21 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*11/11/21 16:22*	*11/12/21 15:57*	*1*
o-Terphenyl	*125*		*70 - 130*	*11/11/21 16:22*	*11/12/21 15:57*	*1*

Client Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: CS-9 (4)

Lab Sample ID: 890-1558-9
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	289	F1	4.95		mg/Kg			11/20/21 14:51	1

Client Sample ID: CS-10 (4)

Lab Sample ID: 890-1558-10
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 06:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 06:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 06:19	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/11/21 12:59	11/17/21 06:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 06:19	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/11/21 12:59	11/17/21 06:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*11/11/21 12:59*	*11/17/21 06:19*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*11/11/21 12:59*	*11/17/21 06:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/16/21 09:36	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 16:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 16:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*11/11/21 16:22*	*11/12/21 16:19*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*11/11/21 16:22*	*11/12/21 16:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	202		5.04		mg/Kg			11/19/21 21:01	1

Client Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: CS-11 (4)

Lab Sample ID: 890-1558-11
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 08:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 08:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 08:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/11/21 12:59	11/17/21 08:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 08:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/11/21 12:59	11/17/21 08:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*11/11/21 12:59*	*11/17/21 08:05*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/11/21 12:59*	*11/17/21 08:05*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**53.5**		50.0		mg/Kg			11/16/21 09:36	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/11/21 16:22	11/12/21 17:46	1
Diesel Range Organics (Over C10-C28)	**53.5**		50.0		mg/Kg		11/11/21 16:22	11/12/21 17:46	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/21 16:22	11/12/21 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*11/11/21 16:22*	*11/12/21 17:46*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*11/11/21 16:22*	*11/12/21 17:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**121**		5.01		mg/Kg			11/19/21 21:06	1

Client Sample ID: CS-12 (4)

Lab Sample ID: 890-1558-12
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 08:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 08:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 08:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/11/21 12:59	11/17/21 08:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 08:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/11/21 12:59	11/17/21 08:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*11/11/21 12:59*	*11/17/21 08:31*	*1*

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Client Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: CS-12 (4)

Lab Sample ID: 890-1558-12
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/11/21 12:59*	*11/17/21 08:31*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/16/21 09:36	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 18:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 18:07	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*122*		*70 - 130*	*11/11/21 16:22*	*11/12/21 18:07*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*11/11/21 16:22*	*11/12/21 18:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**144**		5.00		mg/Kg			11/19/21 21:21	1

Client Sample ID: CS-13 (4)

Lab Sample ID: 890-1558-13
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 08:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 08:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 08:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/11/21 12:59	11/17/21 08:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 08:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/11/21 12:59	11/17/21 08:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*11/11/21 12:59*	*11/17/21 08:58*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*11/11/21 12:59*	*11/17/21 08:58*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/16/21 09:36	1

Client Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: CS-13 (4)

Lab Sample ID: 890-1558-13
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/11/21 16:22	11/12/21 18:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/21 16:22	11/12/21 18:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/21 16:22	11/12/21 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*11/11/21 16:22*	*11/12/21 18:29*	*1*
o-Terphenyl	*138*	*S1+*	*70 - 130*	*11/11/21 16:22*	*11/12/21 18:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**178**		5.03		mg/Kg			11/19/21 21:26	1

Client Sample ID: CS-14 (4)

Lab Sample ID: 890-1558-14
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 09:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 09:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 09:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/11/21 12:59	11/17/21 09:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 09:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/11/21 12:59	11/17/21 09:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*11/11/21 12:59*	*11/17/21 09:24*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*11/11/21 12:59*	*11/17/21 09:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/16/21 09:36	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 18:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 18:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*11/11/21 16:22*	*11/12/21 18:51*	*1*
o-Terphenyl	*138*	*S1+*	*70 - 130*	*11/11/21 16:22*	*11/12/21 18:51*	*1*

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Client Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: CS-14 (4)

Lab Sample ID: 890-1558-14
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	169		5.01		mg/Kg			11/19/21 21:31	1

Client Sample ID: CS-15 (4)

Lab Sample ID: 890-1558-15
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/11/21 12:59	11/17/21 09:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/11/21 12:59	11/17/21 09:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/11/21 12:59	11/17/21 09:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/11/21 12:59	11/17/21 09:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/11/21 12:59	11/17/21 09:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/11/21 12:59	11/17/21 09:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*11/11/21 12:59*	*11/17/21 09:51*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/11/21 12:59*	*11/17/21 09:51*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/16/21 09:36	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/11/21 16:22	11/12/21 19:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/21 16:22	11/12/21 19:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/21 16:22	11/12/21 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*11/11/21 16:22*	*11/12/21 19:12*	*1*
o-Terphenyl	*143*	*S1+*	*70 - 130*	*11/11/21 16:22*	*11/12/21 19:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	171		4.97		mg/Kg			11/19/21 21:36	1

Client Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: CS-16 (4)

Lab Sample ID: 890-1558-16
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 10:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 10:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 10:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/11/21 12:59	11/17/21 10:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 10:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/11/21 12:59	11/17/21 10:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*11/11/21 12:59*	*11/17/21 10:18*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*11/11/21 12:59*	*11/17/21 10:18*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/16/21 09:36	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/11/21 16:22	11/12/21 19:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/11/21 16:22	11/12/21 19:33	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/11/21 16:22	11/12/21 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*11/11/21 16:22*	*11/12/21 19:33*	*1*
o-Terphenyl	*145*	*S1+*	*70 - 130*	*11/11/21 16:22*	*11/12/21 19:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**0.932**		0.0502		mg/Kg			11/19/21 21:41	1

Client Sample ID: SW-1

Lab Sample ID: 890-1558-17
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/11/21 12:59	11/17/21 10:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/11/21 12:59	11/17/21 10:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/11/21 12:59	11/17/21 10:44	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/11/21 12:59	11/17/21 10:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/11/21 12:59	11/17/21 10:44	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/11/21 12:59	11/17/21 10:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*11/11/21 12:59*	*11/17/21 10:44*	*1*

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Client Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: SW-1

Lab Sample ID: 890-1558-17
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*11/11/21 12:59*	*11/17/21 10:44*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/16/21 09:36	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 19:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 19:55	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 19:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*125*		*70 - 130*	*11/11/21 16:22*	*11/12/21 19:55*	*1*
o-Terphenyl	*138*	*S1+*	*70 - 130*	*11/11/21 16:22*	*11/12/21 19:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**94.7**		4.99		mg/Kg			11/19/21 21:46	1

Client Sample ID: SW-2

Lab Sample ID: 890-1558-18
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 11:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 11:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 11:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/11/21 12:59	11/17/21 11:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 11:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/11/21 12:59	11/17/21 11:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*11/11/21 12:59*	*11/17/21 11:11*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*11/11/21 12:59*	*11/17/21 11:11*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/16/21 09:36	1

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Client Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: SW-2

Lab Sample ID: 890-1558-18
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 20:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 20:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*11/11/21 16:22*	*11/12/21 20:16*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*11/11/21 16:22*	*11/12/21 20:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**134**		4.99		mg/Kg			11/19/21 21:50	1

Client Sample ID: SW-3

Lab Sample ID: 890-1558-19
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 11:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 11:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 11:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/11/21 12:59	11/17/21 11:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 11:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/11/21 12:59	11/17/21 11:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*11/11/21 12:59*	*11/17/21 11:37*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*11/11/21 12:59*	*11/17/21 11:37*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/16/21 09:36	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 20:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 20:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/21 16:22	11/12/21 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*11/11/21 16:22*	*11/12/21 20:38*	*1*
o-Terphenyl	*128*		*70 - 130*	*11/11/21 16:22*	*11/12/21 20:38*	*1*

Client Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: SW-3

Lab Sample ID: 890-1558-19
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.0		5.01		mg/Kg			11/18/21 20:24	1

Client Sample ID: SW-4

Lab Sample ID: 890-1558-20
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 12:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 12:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 12:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/11/21 12:59	11/17/21 12:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/11/21 12:59	11/17/21 12:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/11/21 12:59	11/17/21 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*11/11/21 12:59*	*11/17/21 12:04*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/11/21 12:59*	*11/17/21 12:04*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/16/21 09:36	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/11/21 16:22	11/12/21 21:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/11/21 16:22	11/12/21 21:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/11/21 16:22	11/12/21 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*11/11/21 16:22*	*11/12/21 21:00*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*11/11/21 16:22*	*11/12/21 21:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.2		4.97		mg/Kg			11/18/21 20:32	1

Client Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: SW-5

Lab Sample ID: 890-1558-21
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/16/21 10:00	11/16/21 14:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/16/21 10:00	11/16/21 14:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/16/21 10:00	11/16/21 14:57	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/16/21 10:00	11/16/21 14:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/16/21 10:00	11/16/21 14:57	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/16/21 10:00	11/16/21 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*11/16/21 10:00*	*11/16/21 14:57*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/16/21 10:00*	*11/16/21 14:57*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/16/21 09:36	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/12/21 08:58	11/13/21 01:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/12/21 08:58	11/13/21 01:06	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/12/21 08:58	11/13/21 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*11/12/21 08:58*	*11/13/21 01:06*	*1*
o-Terphenyl	*115*		*70 - 130*	*11/12/21 08:58*	*11/13/21 01:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**0.636**		0.0502		mg/Kg			11/18/21 20:39	1

Client Sample ID: SW-6

Lab Sample ID: 890-1558-22
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/16/21 10:00	11/16/21 20:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/16/21 10:00	11/16/21 20:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/16/21 10:00	11/16/21 20:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/16/21 10:00	11/16/21 20:51	1
o-Xylene	**0.00413**		0.00201		mg/Kg		11/16/21 10:00	11/16/21 20:51	1
Xylenes, Total	**0.00413**		0.00402		mg/Kg		11/16/21 10:00	11/16/21 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*11/16/21 10:00*	*11/16/21 20:51*	*1*

Eurofins Xenco, Carlsbad

Client Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: SW-6

Lab Sample ID: 890-1558-22
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/16/21 10:00*	*11/16/21 20:51*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00413**		0.00402		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/16/21 09:36	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/12/21 08:58	11/13/21 01:30	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/12/21 08:58	11/13/21 01:30	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/12/21 08:58	11/13/21 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*11/12/21 08:58*	*11/13/21 01:30*	*1*
o-Terphenyl	*117*		*70 - 130*	*11/12/21 08:58*	*11/13/21 01:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**138**		4.99		mg/Kg			11/18/21 20:47	1

Client Sample ID: SW-7

Lab Sample ID: 890-1558-23
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/15/21 08:00	11/15/21 14:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/15/21 08:00	11/15/21 14:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/15/21 08:00	11/15/21 14:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/15/21 08:00	11/15/21 14:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/15/21 08:00	11/15/21 14:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/15/21 08:00	11/15/21 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*11/15/21 08:00*	*11/15/21 14:40*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*11/15/21 08:00*	*11/15/21 14:40*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/16/21 09:36	1

Client Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: SW-7

Lab Sample ID: 890-1558-23
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/12/21 08:58	11/13/21 01:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/12/21 08:58	11/13/21 01:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/12/21 08:58	11/13/21 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*11/12/21 08:58*	*11/13/21 01:52*	*1*
o-Terphenyl	*115*		*70 - 130*	*11/12/21 08:58*	*11/13/21 01:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**70.2**		4.99		mg/Kg			11/18/21 20:54	1

Client Sample ID: SW-8

Lab Sample ID: 890-1558-24
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/15/21 08:00	11/15/21 15:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/15/21 08:00	11/15/21 15:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/15/21 08:00	11/15/21 15:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/15/21 08:00	11/15/21 15:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/15/21 08:00	11/15/21 15:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/15/21 08:00	11/15/21 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*11/15/21 08:00*	*11/15/21 15:00*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/15/21 08:00*	*11/15/21 15:00*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/16/21 14:23	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/16/21 09:36	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/12/21 08:58	11/13/21 02:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/12/21 08:58	11/13/21 02:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/12/21 08:58	11/13/21 02:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*11/12/21 08:58*	*11/13/21 02:14*	*1*
o-Terphenyl	*120*		*70 - 130*	*11/12/21 08:58*	*11/13/21 02:14*	*1*

Client Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: SW-8

Lab Sample ID: 890-1558-24
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		5.00		mg/Kg			11/20/21 19:32	1

Client Sample ID: SW-9

Lab Sample ID: 890-1558-25
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/12/21 11:23	11/13/21 19:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/12/21 11:23	11/13/21 19:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/12/21 11:23	11/13/21 19:32	1
m-Xylene & p-Xylene	<0.00397	U *- *1	0.00397		mg/Kg		11/12/21 11:23	11/13/21 19:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/12/21 11:23	11/13/21 19:32	1
Xylenes, Total	<0.00397	U *-	0.00397		mg/Kg		11/12/21 11:23	11/13/21 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*11/12/21 11:23*	*11/13/21 19:32*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/12/21 11:23*	*11/13/21 19:32*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			11/17/21 16:31	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/16/21 09:36	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/12/21 08:58	11/13/21 02:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/12/21 08:58	11/13/21 02:37	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/12/21 08:58	11/13/21 02:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*11/12/21 08:58*	*11/13/21 02:37*	*1*
o-Terphenyl	*114*		*70 - 130*	*11/12/21 08:58*	*11/13/21 02:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.3		5.03		mg/Kg			11/20/21 19:42	1

Client Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: SW-10

Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00
Sample Depth: 4

Lab Sample ID: 890-1558-26

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/12/21 11:23	11/13/21 19:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/12/21 11:23	11/13/21 19:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/12/21 11:23	11/13/21 19:53	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		11/12/21 11:23	11/13/21 19:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/12/21 11:23	11/13/21 19:53	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		11/12/21 11:23	11/13/21 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*11/12/21 11:23*	*11/13/21 19:53*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/12/21 11:23*	*11/13/21 19:53*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/17/21 16:31	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/16/21 09:36	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/12/21 08:58	11/13/21 03:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/12/21 08:58	11/13/21 03:00	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/12/21 08:58	11/13/21 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*11/12/21 08:58*	*11/13/21 03:00*	*1*
o-Terphenyl	*117*		*70 - 130*	*11/12/21 08:58*	*11/13/21 03:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**75.6**		5.01		mg/Kg			11/20/21 19:53	1

Surrogate Summary

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
880-8260-A-1-A MS	Matrix Spike	91	89										
880-8260-A-1-B MSD	Matrix Spike Duplicate	110	106										
890-1558-1	CS-1 (0.5)	137 S1+	107										
890-1558-1 MS	CS-1 (0.5)	105	125										
890-1558-1 MSD	CS-1 (0.5)	111	114										
890-1558-2	CS-2 (0.5)	121	110										
890-1558-3	CS-3 (0.5)	120	109										
890-1558-4	CS-4 (0.5)	116	112										
890-1558-5	CS-5 (0.5)	128	109										
890-1558-6	CS-6 (0.5)	125	107										
890-1558-7	CS-7 (0.5)	125	111										
890-1558-8	CS-8 (0.5)	120	110										
890-1558-9	CS-9 (4)	119	116										
890-1558-10	CS-10 (4)	121	116										
890-1558-11	CS-11 (4)	130	102										
890-1558-12	CS-12 (4)	116	106										
890-1558-13	CS-13 (4)	128	117										
890-1558-14	CS-14 (4)	124	113										
890-1558-15	CS-15 (4)	110	106										
890-1558-16	CS-16 (4)	103	111										
890-1558-17	SW-1	116	110										
890-1558-18	SW-2	122	113										
890-1558-19	SW-3	116	75										
890-1558-20	SW-4	119	108										
890-1558-21	SW-5	94	99										
890-1558-21 MS	SW-5	98	98										
890-1558-21 MSD	SW-5	99	95										
890-1558-22	SW-6	96	104										
890-1558-23	SW-7	90	78										
890-1558-24	SW-8	120	102										
890-1558-25	SW-9	113	105										
890-1558-26	SW-10	118	99										
890-1571-A-1-A MS	Matrix Spike	141 S1+	121										
890-1571-A-1-B MSD	Matrix Spike Duplicate	125	103										
LCS 880-12023/1-A	Lab Control Sample	117	116										
LCS 880-12122/1-A	Lab Control Sample	85	94										
LCS 880-12208/1-A	Lab Control Sample	127	110										
LCS 880-12300/1-A	Lab Control Sample	102	97										
LCSD 880-12023/2-A	Lab Control Sample Dup	109	115										
LCSD 880-12122/2-A	Lab Control Sample Dup	106	95										
LCSD 880-12208/2-A	Lab Control Sample Dup	127	114										
MB 880-12023/5-A	Method Blank	65 S1-	104										
MB 880-12121/5-A	Method Blank	128	110										
MB 880-12122/5-A	Method Blank	126	104										
MB 880-12208/5-A	Method Blank	125	105										
MB 880-12234/5-A	Method Blank	70	99										
MB 880-12300/5-A	Method Blank	102	94										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID		
LCSD 880-12300/2-A	Lab Control Sample Dup		

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-1558-1	CS-1 (0.5)	122	133 S1+
890-1558-1 MS	CS-1 (0.5)	123	121
890-1558-1 MSD	CS-1 (0.5)	112	110
890-1558-2	CS-2 (0.5)	114	123
890-1558-3	CS-3 (0.5)	111	117
890-1558-4	CS-4 (0.5)	118	130
890-1558-5	CS-5 (0.5)	112	119
890-1558-6	CS-6 (0.5)	104	110
890-1558-7	CS-7 (0.5)	119	128
890-1558-8	CS-8 (0.5)	115	123
890-1558-9	CS-9 (4)	115	125
890-1558-10	CS-10 (4)	115	131 S1+
890-1558-11	CS-11 (4)	125	136 S1+
890-1558-12	CS-12 (4)	122	131 S1+
890-1558-13	CS-13 (4)	129	138 S1+
890-1558-14	CS-14 (4)	124	138 S1+
890-1558-15	CS-15 (4)	127	143 S1+
890-1558-16	CS-16 (4)	127	145 S1+
890-1558-17	SW-1	125	138 S1+
890-1558-18	SW-2	121	136 S1+
890-1558-19	SW-3	116	128
890-1558-20	SW-4	117	132 S1+
890-1558-21	SW-5	101	115
890-1558-22	SW-6	104	117
890-1558-23	SW-7	102	115
890-1558-24	SW-8	106	120
890-1558-25	SW-9	103	114
890-1558-26	SW-10	104	117
890-1561-A-21-E MS	Matrix Spike	97	111
890-1561-A-21-F MSD	Matrix Spike Duplicate	94	107
LCS 880-12048/2-A	Lab Control Sample	91	91
LCS 880-12101/2-A	Lab Control Sample	86	97
LCSD 880-12048/3-A	Lab Control Sample Dup	99	103
LCSD 880-12101/3-A	Lab Control Sample Dup	84	102
MB 880-12048/1-A	Method Blank	121	133 S1+
MB 880-12101/1-A	Method Blank	104	117

Surrogate Legend

Surrogate Summary

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-12023/5-A
Matrix: Solid
Analysis Batch: 12412

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12023

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 01:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 01:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 01:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/11/21 12:59	11/17/21 01:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/11/21 12:59	11/17/21 01:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/11/21 12:59	11/17/21 01:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*	*S1-*	*70 - 130*	*11/11/21 12:59*	*11/17/21 01:56*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/11/21 12:59*	*11/17/21 01:56*	*1*

Lab Sample ID: LCS 880-12023/1-A
Matrix: Solid
Analysis Batch: 12412

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12023

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1041		mg/Kg		104	70 - 130		
Toluene			0.100	0.09338		mg/Kg		93	70 - 130		
Ethylbenzene			0.100	0.09717		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene			0.200	0.2152		mg/Kg		108	70 - 130		
o-Xylene			0.100	0.1058		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

Lab Sample ID: LCSD 880-12023/2-A
Matrix: Solid
Analysis Batch: 12412

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 12023

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09970		mg/Kg		100	70 - 130	4	35
Toluene			0.100	0.09043		mg/Kg		90	70 - 130	3	35
Ethylbenzene			0.100	0.09497		mg/Kg		95	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2091		mg/Kg		105	70 - 130	3	35
o-Xylene			0.100	0.1019		mg/Kg		102	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: 890-1558-1 MS
Matrix: Solid
Analysis Batch: 12412

Client Sample ID: CS-1 (0.5)
Prep Type: Total/NA
Prep Batch: 12023

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00202	U	0.0998	0.07195		mg/Kg		72	70 - 130		
Toluene	<0.00202	U F1	0.0998	0.06556	F1	mg/Kg		66	70 - 130		

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QC Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-1558-1 MS
Matrix: Solid
Analysis Batch: 12412

Client Sample ID: CS-1 (0.5)
Prep Type: Total/NA
Prep Batch: 12023

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00202	U F2 F1	0.0998	0.006270	F1	mg/Kg		6	70 - 130
m-Xylene & p-Xylene	<0.00403	U F1	0.200	0.1333	F1	mg/Kg		67	70 - 130
o-Xylene	<0.00202	U	0.0998	0.07804		mg/Kg		78	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*125*		*70 - 130*

Lab Sample ID: 890-1558-1 MSD
Matrix: Solid
Analysis Batch: 12412

Client Sample ID: CS-1 (0.5)
Prep Type: Total/NA
Prep Batch: 12023

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.09066		mg/Kg		91	70 - 130	23	35
Toluene	<0.00202	U F1	0.100	0.07750		mg/Kg		78	70 - 130	17	35
Ethylbenzene	<0.00202	U F2 F1	0.100	0.07754	F2	mg/Kg		78	70 - 130	170	35
m-Xylene & p-Xylene	<0.00403	U F1	0.200	0.1230	F1	mg/Kg		62	70 - 130	8	35
o-Xylene	<0.00202	U	0.100	0.09241		mg/Kg		92	70 - 130	17	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*

Lab Sample ID: MB 880-12121/5-A
Matrix: Solid
Analysis Batch: 12115

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12121

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/12/21 11:20	11/13/21 02:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/12/21 11:20	11/13/21 02:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/12/21 11:20	11/13/21 02:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/12/21 11:20	11/13/21 02:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/12/21 11:20	11/13/21 02:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/12/21 11:20	11/13/21 02:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*11/12/21 11:20*	*11/13/21 02:37*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*11/12/21 11:20*	*11/13/21 02:37*	*1*

Lab Sample ID: MB 880-12122/5-A
Matrix: Solid
Analysis Batch: 12115

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12122

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/12/21 11:23	11/13/21 14:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/12/21 11:23	11/13/21 14:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/12/21 11:23	11/13/21 14:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/12/21 11:23	11/13/21 14:11	1

QC Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-12122/5-A
Matrix: Solid
Analysis Batch: 12115

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12122

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/12/21 11:23	11/13/21 14:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/12/21 11:23	11/13/21 14:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*11/12/21 11:23*	*11/13/21 14:11*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/12/21 11:23*	*11/13/21 14:11*	*1*

Lab Sample ID: LCS 880-12122/1-A
Matrix: Solid
Analysis Batch: 12115

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12122

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08522		mg/Kg		85	70 - 130
Toluene	0.100	0.07915		mg/Kg		79	70 - 130
Ethylbenzene	0.100	0.09654		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.09646	*-	mg/Kg		48	70 - 130
o-Xylene	0.100	0.08188		mg/Kg		82	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 880-12122/2-A
Matrix: Solid
Analysis Batch: 12115

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 12122

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.07539		mg/Kg		75	70 - 130	12	35
Toluene	0.100	0.07877		mg/Kg		79	70 - 130	0	35
Ethylbenzene	0.100	0.09007		mg/Kg		90	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1650	*1	mg/Kg		82	70 - 130	52	35
o-Xylene	0.100	0.08291		mg/Kg		83	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 880-8260-A-1-A MS
Matrix: Solid
Analysis Batch: 12115

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 12122

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F2 F1	0.101	0.01530	F1	mg/Kg		15	70 - 130
Toluene	<0.00199	U F1	0.101	0.01698	F1	mg/Kg		17	70 - 130
Ethylbenzene	<0.00199	U F1	0.101	0.009550	F1	mg/Kg		9	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1 *- *1	0.202	0.01968	F1	mg/Kg		10	70 - 130
o-Xylene	<0.00199	U F2 F1	0.101	0.01673	F1	mg/Kg		17	70 - 130

QC Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-8260-A-1-A MS
Matrix: Solid
Analysis Batch: 12115

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 12122

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-8260-A-1-B MSD
Matrix: Solid
Analysis Batch: 12115

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 12122

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F2 F1	0.0990	0.03370	F2 F1	mg/Kg		34	70 - 130	75	35
Toluene	<0.00199	U F1	0.0990	0.02182	F1	mg/Kg		22	70 - 130	25	35
Ethylbenzene	<0.00199	U F1	0.0990	0.01281	F1	mg/Kg		13	70 - 130	29	35
m-Xylene & p-Xylene	<0.00398	U F1 *- *1	0.198	0.02588	F1	mg/Kg		13	70 - 130	27	35
o-Xylene	<0.00199	U F2 F1	0.0990	0.01129	F2 F1	mg/Kg		11	70 - 130	39	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-12208/5-A
Matrix: Solid
Analysis Batch: 12216

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12208

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/15/21 08:00	11/15/21 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/15/21 08:00	11/15/21 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/15/21 08:00	11/15/21 11:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/15/21 08:00	11/15/21 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/15/21 08:00	11/15/21 11:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/15/21 08:00	11/15/21 11:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	11/15/21 08:00	11/15/21 11:28	1
1,4-Difluorobenzene (Surr)	105		70 - 130	11/15/21 08:00	11/15/21 11:28	1

Lab Sample ID: LCS 880-12208/1-A
Matrix: Solid
Analysis Batch: 12216

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12208

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1148		mg/Kg		115	70 - 130
Toluene	0.100	0.1202		mg/Kg		120	70 - 130
Ethylbenzene	0.100	0.1224		mg/Kg		122	70 - 130
m-Xylene & p-Xylene	0.200	0.2455		mg/Kg		123	70 - 130
o-Xylene	0.100	0.1160		mg/Kg		116	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130

QC Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-12208/1-A
Matrix: Solid
Analysis Batch: 12216

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12208

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: LCSD 880-12208/2-A
Matrix: Solid
Analysis Batch: 12216

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 12208

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1093		mg/Kg		109	70 - 130	5	35
Toluene			0.100	0.1080		mg/Kg		108	70 - 130	11	35
Ethylbenzene			0.100	0.1165		mg/Kg		116	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2185		mg/Kg		109	70 - 130	12	35
o-Xylene			0.100	0.1047		mg/Kg		105	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: 890-1571-A-1-B MSD
Matrix: Solid
Analysis Batch: 12216

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 12208

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.0996	0.09691		mg/Kg					
Toluene	<0.00198	U	0.0996	0.1027		mg/Kg					
Ethylbenzene	<0.00198	U	0.0996	0.1034		mg/Kg					
m-Xylene & p-Xylene	<0.00396	U	0.199	0.1970		mg/Kg					
o-Xylene	<0.00198	U	0.0996	0.09744		mg/Kg					

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	125		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-1571-A-1-A MS
Matrix: Solid
Analysis Batch: 12216

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130
1,4-Difluorobenzene (Surr)	121		70 - 130

Lab Sample ID: MB 880-12234/5-A
Matrix: Solid
Analysis Batch: 12412

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12234

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/15/21 09:39	11/16/21 12:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/15/21 09:39	11/16/21 12:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/15/21 09:39	11/16/21 12:20	1

QC Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-12234/5-A
Matrix: Solid
Analysis Batch: 12412

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12234

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/15/21 09:39	11/16/21 12:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/15/21 09:39	11/16/21 12:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/15/21 09:39	11/16/21 12:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*70*		*70 - 130*	*11/15/21 09:39*	*11/16/21 12:20*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/15/21 09:39*	*11/16/21 12:20*	*1*

Lab Sample ID: MB 880-12300/5-A
Matrix: Solid
Analysis Batch: 12439

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12300

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/16/21 10:00	11/16/21 14:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/16/21 10:00	11/16/21 14:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/16/21 10:00	11/16/21 14:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/16/21 10:00	11/16/21 14:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/16/21 10:00	11/16/21 14:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/16/21 10:00	11/16/21 14:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*11/16/21 10:00*	*11/16/21 14:35*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*11/16/21 10:00*	*11/16/21 14:35*	*1*

Lab Sample ID: LCS 880-12300/1-A
Matrix: Solid
Analysis Batch: 12439

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12300

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08601		mg/Kg		86	70 - 130
Toluene	0.100	0.08445		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.09331		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1813		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09146		mg/Kg		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 880-12300/2-A
Matrix: Solid
Analysis Batch: 12439

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 12300

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08184		mg/Kg					
Toluene	0.100	0.08151		mg/Kg					
Ethylbenzene	0.100	0.08937		mg/Kg					
m-Xylene & p-Xylene	0.200	0.1732		mg/Kg					

QC Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-12300/2-A
Matrix: Solid
Analysis Batch: 12439

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 12300

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o-Xylene			0.100	0.08759		mg/Kg					

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)			
1,4-Difluorobenzene (Surr)			

Lab Sample ID: 890-1558-21 MS
Matrix: Solid
Analysis Batch: 12439

Client Sample ID: SW-5
Prep Type: Total/NA
Prep Batch: 12300

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00202	U	0.100	0.08477		mg/Kg		85	70 - 130
Toluene	<0.00202	U	0.100	0.07982		mg/Kg		80	70 - 130
Ethylbenzene	<0.00202	U	0.100	0.08598		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1663		mg/Kg		83	70 - 130
o-Xylene	<0.00202	U	0.100	0.08522		mg/Kg		85	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 890-1558-21 MSD
Matrix: Solid
Analysis Batch: 12439

Client Sample ID: SW-5
Prep Type: Total/NA
Prep Batch: 12300

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.08083		mg/Kg		81	70 - 130	5	35
Toluene	<0.00202	U	0.100	0.07897		mg/Kg		79	70 - 130	1	35
Ethylbenzene	<0.00202	U	0.100	0.08655		mg/Kg		86	70 - 130	1	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1682		mg/Kg		84	70 - 130	1	35
o-Xylene	<0.00202	U	0.100	0.08519		mg/Kg		85	70 - 130	0	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-12048/1-A
Matrix: Solid
Analysis Batch: 12090

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12048

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/11/21 16:22	11/12/21 11:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/21 16:22	11/12/21 11:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/21 16:22	11/12/21 11:16	1

QC Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-12048/1-A
Matrix: Solid
Analysis Batch: 12090

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12048

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	11/11/21 16:22	11/12/21 11:16	1
o-Terphenyl	133	S1+	70 - 130	11/11/21 16:22	11/12/21 11:16	1

Lab Sample ID: LCS 880-12048/2-A
Matrix: Solid
Analysis Batch: 12090

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12048

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	830.3		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	912.1		mg/Kg		91	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	91		70 - 130

Lab Sample ID: LCSD 880-12048/3-A
Matrix: Solid
Analysis Batch: 12090

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 12048

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	773.1		mg/Kg		77	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	938.2		mg/Kg		94	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 890-1558-1 MS
Matrix: Solid
Analysis Batch: 12090

Client Sample ID: CS-1 (0.5)
Prep Type: Total/NA
Prep Batch: 12048

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1116		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1080		mg/Kg		104	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	121		70 - 130

QC Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-1558-1 MSD
Matrix: Solid
Analysis Batch: 12090

Client Sample ID: CS-1 (0.5)
Prep Type: Total/NA
Prep Batch: 12048

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1088		mg/Kg		105	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	987.6		mg/Kg		95	70 - 130	9	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*112*		*70 - 130*
o-Terphenyl	*110*		*70 - 130*

Lab Sample ID: MB 880-12101/1-A
Matrix: Solid
Analysis Batch: 12088

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12101

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/12/21 08:58	11/12/21 21:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/12/21 08:58	11/12/21 21:45	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/12/21 08:58	11/12/21 21:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*11/12/21 08:58*	*11/12/21 21:45*	*1*
o-Terphenyl	*117*		*70 - 130*	*11/12/21 08:58*	*11/12/21 21:45*	*1*

Lab Sample ID: LCS 880-12101/2-A
Matrix: Solid
Analysis Batch: 12088

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12101

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	792.1		mg/Kg		79	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	918.5		mg/Kg		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*86*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Lab Sample ID: LCSD 880-12101/3-A
Matrix: Solid
Analysis Batch: 12088

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 12101

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	811.1		mg/Kg		81	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	903.7		mg/Kg		90	70 - 130	2	20

QC Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-12101/3-A
Matrix: Solid
Analysis Batch: 12088

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 12101

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: 890-1561-A-21-E MS
Matrix: Solid
Analysis Batch: 12088

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 12101

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	925.5		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	809.9		mg/Kg		81	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: 890-1561-A-21-F MSD
Matrix: Solid
Analysis Batch: 12088

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 12101

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	878.2		mg/Kg		88	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	789.4		mg/Kg		79	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	107		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-12266/1-A
Matrix: Solid
Analysis Batch: 12630

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/19/21 19:13	1

Lab Sample ID: LCS 880-12266/2-A
Matrix: Solid
Analysis Batch: 12630

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	259.4		mg/Kg		104	90 - 110

QC Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-12266/3-A
Matrix: Solid
Analysis Batch: 12630

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	259.3		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 890-1558-9 MS
Matrix: Solid
Analysis Batch: 12630

Client Sample ID: CS-9 (4)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	289	F1	248	495.3	F1	mg/Kg		83	90 - 110

Lab Sample ID: 890-1558-9 MSD
Matrix: Solid
Analysis Batch: 12630

Client Sample ID: CS-9 (4)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	289	F1	248	482.0	F1	mg/Kg		78	90 - 110	3	20

Lab Sample ID: MB 880-12267/1-A
Matrix: Solid
Analysis Batch: 12632

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/18/21 17:13	1

Lab Sample ID: LCS 880-12267/2-A
Matrix: Solid
Analysis Batch: 12632

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride			250	252.4		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-12267/3-A
Matrix: Solid
Analysis Batch: 12632

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	253.3		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-8172-A-3-E MS
Matrix: Solid
Analysis Batch: 12632

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	47.0		248	289.6		mg/Kg		98	90 - 110

Lab Sample ID: 880-8172-A-3-F MSD
Matrix: Solid
Analysis Batch: 12632

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	47.0		248	284.9		mg/Kg		96	90 - 110	2	20

QC Sample Results

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-12273/1-A
Matrix: Solid
Analysis Batch: 12843

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/20/21 14:25	1

Lab Sample ID: LCS 880-12273/2-A
Matrix: Solid
Analysis Batch: 12843

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	243.5		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-12273/3-A
Matrix: Solid
Analysis Batch: 12843

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	244.4		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 890-1562-A-1-H MS
Matrix: Solid
Analysis Batch: 12843

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	141		248	380.1		mg/Kg		97	90 - 110		

Lab Sample ID: 890-1562-A-1-I MSD
Matrix: Solid
Analysis Batch: 12843

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	141		248	379.9		mg/Kg		97	90 - 110	0	20

QC Association Summary

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

GC VOA

Prep Batch: 12023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-1	CS-1 (0.5)	Total/NA	Solid	5035	
890-1558-2	CS-2 (0.5)	Total/NA	Solid	5035	
890-1558-3	CS-3 (0.5)	Total/NA	Solid	5035	
890-1558-4	CS-4 (0.5)	Total/NA	Solid	5035	
890-1558-5	CS-5 (0.5)	Total/NA	Solid	5035	
890-1558-6	CS-6 (0.5)	Total/NA	Solid	5035	
890-1558-7	CS-7 (0.5)	Total/NA	Solid	5035	
890-1558-8	CS-8 (0.5)	Total/NA	Solid	5035	
890-1558-9	CS-9 (4)	Total/NA	Solid	5035	
890-1558-10	CS-10 (4)	Total/NA	Solid	5035	
890-1558-11	CS-11 (4)	Total/NA	Solid	5035	
890-1558-12	CS-12 (4)	Total/NA	Solid	5035	
890-1558-13	CS-13 (4)	Total/NA	Solid	5035	
890-1558-14	CS-14 (4)	Total/NA	Solid	5035	
890-1558-15	CS-15 (4)	Total/NA	Solid	5035	
890-1558-16	CS-16 (4)	Total/NA	Solid	5035	
890-1558-17	SW-1	Total/NA	Solid	5035	
890-1558-18	SW-2	Total/NA	Solid	5035	
890-1558-19	SW-3	Total/NA	Solid	5035	
890-1558-20	SW-4	Total/NA	Solid	5035	
MB 880-12023/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-12023/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-12023/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1558-1 MS	CS-1 (0.5)	Total/NA	Solid	5035	
890-1558-1 MSD	CS-1 (0.5)	Total/NA	Solid	5035	

Analysis Batch: 12115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-25	SW-9	Total/NA	Solid	8021B	12122
890-1558-26	SW-10	Total/NA	Solid	8021B	12122
MB 880-12121/5-A	Method Blank	Total/NA	Solid	8021B	12121
MB 880-12122/5-A	Method Blank	Total/NA	Solid	8021B	12122
LCS 880-12122/1-A	Lab Control Sample	Total/NA	Solid	8021B	12122
LCSD 880-12122/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	12122
880-8260-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	12122
880-8260-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	12122

Prep Batch: 12121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-12121/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 12122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-25	SW-9	Total/NA	Solid	5035	
890-1558-26	SW-10	Total/NA	Solid	5035	
MB 880-12122/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-12122/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-12122/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-8260-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-8260-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

QC Association Summary

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

GC VOA

Prep Batch: 12208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-23	SW-7	Total/NA	Solid	5035	
890-1558-24	SW-8	Total/NA	Solid	5035	
MB 880-12208/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-12208/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-12208/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1571-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 12216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-23	SW-7	Total/NA	Solid	8021B	12208
890-1558-24	SW-8	Total/NA	Solid	8021B	12208
MB 880-12208/5-A	Method Blank	Total/NA	Solid	8021B	12208
LCS 880-12208/1-A	Lab Control Sample	Total/NA	Solid	8021B	12208
LCSD 880-12208/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	12208
890-1571-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	
890-1571-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	12208

Prep Batch: 12234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-12234/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 12300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-21	SW-5	Total/NA	Solid	5035	
890-1558-22	SW-6	Total/NA	Solid	5035	
MB 880-12300/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-12300/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-12300/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1558-21 MS	SW-5	Total/NA	Solid	5035	
890-1558-21 MSD	SW-5	Total/NA	Solid	5035	

Analysis Batch: 12338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-1	CS-1 (0.5)	Total/NA	Solid	Total BTEX	
890-1558-2	CS-2 (0.5)	Total/NA	Solid	Total BTEX	
890-1558-3	CS-3 (0.5)	Total/NA	Solid	Total BTEX	
890-1558-4	CS-4 (0.5)	Total/NA	Solid	Total BTEX	
890-1558-5	CS-5 (0.5)	Total/NA	Solid	Total BTEX	
890-1558-6	CS-6 (0.5)	Total/NA	Solid	Total BTEX	
890-1558-7	CS-7 (0.5)	Total/NA	Solid	Total BTEX	
890-1558-8	CS-8 (0.5)	Total/NA	Solid	Total BTEX	
890-1558-9	CS-9 (4)	Total/NA	Solid	Total BTEX	
890-1558-10	CS-10 (4)	Total/NA	Solid	Total BTEX	
890-1558-11	CS-11 (4)	Total/NA	Solid	Total BTEX	
890-1558-12	CS-12 (4)	Total/NA	Solid	Total BTEX	
890-1558-13	CS-13 (4)	Total/NA	Solid	Total BTEX	
890-1558-14	CS-14 (4)	Total/NA	Solid	Total BTEX	
890-1558-15	CS-15 (4)	Total/NA	Solid	Total BTEX	
890-1558-16	CS-16 (4)	Total/NA	Solid	Total BTEX	
890-1558-17	SW-1	Total/NA	Solid	Total BTEX	
890-1558-18	SW-2	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

GC VOA (Continued)

Analysis Batch: 12338 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-19	SW-3	Total/NA	Solid	Total BTEX	
890-1558-20	SW-4	Total/NA	Solid	Total BTEX	
890-1558-21	SW-5	Total/NA	Solid	Total BTEX	
890-1558-22	SW-6	Total/NA	Solid	Total BTEX	
890-1558-23	SW-7	Total/NA	Solid	Total BTEX	
890-1558-24	SW-8	Total/NA	Solid	Total BTEX	
890-1558-25	SW-9	Total/NA	Solid	Total BTEX	
890-1558-26	SW-10	Total/NA	Solid	Total BTEX	

Analysis Batch: 12412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-1	CS-1 (0.5)	Total/NA	Solid	8021B	12023
890-1558-2	CS-2 (0.5)	Total/NA	Solid	8021B	12023
890-1558-3	CS-3 (0.5)	Total/NA	Solid	8021B	12023
890-1558-4	CS-4 (0.5)	Total/NA	Solid	8021B	12023
890-1558-5	CS-5 (0.5)	Total/NA	Solid	8021B	12023
890-1558-6	CS-6 (0.5)	Total/NA	Solid	8021B	12023
890-1558-7	CS-7 (0.5)	Total/NA	Solid	8021B	12023
890-1558-8	CS-8 (0.5)	Total/NA	Solid	8021B	12023
890-1558-9	CS-9 (4)	Total/NA	Solid	8021B	12023
890-1558-10	CS-10 (4)	Total/NA	Solid	8021B	12023
890-1558-11	CS-11 (4)	Total/NA	Solid	8021B	12023
890-1558-12	CS-12 (4)	Total/NA	Solid	8021B	12023
890-1558-13	CS-13 (4)	Total/NA	Solid	8021B	12023
890-1558-14	CS-14 (4)	Total/NA	Solid	8021B	12023
890-1558-15	CS-15 (4)	Total/NA	Solid	8021B	12023
890-1558-16	CS-16 (4)	Total/NA	Solid	8021B	12023
890-1558-17	SW-1	Total/NA	Solid	8021B	12023
890-1558-18	SW-2	Total/NA	Solid	8021B	12023
890-1558-19	SW-3	Total/NA	Solid	8021B	12023
890-1558-20	SW-4	Total/NA	Solid	8021B	12023
MB 880-12023/5-A	Method Blank	Total/NA	Solid	8021B	12023
MB 880-12234/5-A	Method Blank	Total/NA	Solid	8021B	12234
LCS 880-12023/1-A	Lab Control Sample	Total/NA	Solid	8021B	12023
LCSD 880-12023/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	12023
890-1558-1 MS	CS-1 (0.5)	Total/NA	Solid	8021B	12023
890-1558-1 MSD	CS-1 (0.5)	Total/NA	Solid	8021B	12023

Analysis Batch: 12439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-21	SW-5	Total/NA	Solid	8021B	12300
890-1558-22	SW-6	Total/NA	Solid	8021B	12300
MB 880-12300/5-A	Method Blank	Total/NA	Solid	8021B	12300
LCS 880-12300/1-A	Lab Control Sample	Total/NA	Solid	8021B	12300
LCSD 880-12300/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	12300
890-1558-21 MS	SW-5	Total/NA	Solid	8021B	12300
890-1558-21 MSD	SW-5	Total/NA	Solid	8021B	12300

QC Association Summary

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

GC Semi VOA

Prep Batch: 12048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-1	CS-1 (0.5)	Total/NA	Solid	8015NM Prep	
890-1558-2	CS-2 (0.5)	Total/NA	Solid	8015NM Prep	
890-1558-3	CS-3 (0.5)	Total/NA	Solid	8015NM Prep	
890-1558-4	CS-4 (0.5)	Total/NA	Solid	8015NM Prep	
890-1558-5	CS-5 (0.5)	Total/NA	Solid	8015NM Prep	
890-1558-6	CS-6 (0.5)	Total/NA	Solid	8015NM Prep	
890-1558-7	CS-7 (0.5)	Total/NA	Solid	8015NM Prep	
890-1558-8	CS-8 (0.5)	Total/NA	Solid	8015NM Prep	
890-1558-9	CS-9 (4)	Total/NA	Solid	8015NM Prep	
890-1558-10	CS-10 (4)	Total/NA	Solid	8015NM Prep	
890-1558-11	CS-11 (4)	Total/NA	Solid	8015NM Prep	
890-1558-12	CS-12 (4)	Total/NA	Solid	8015NM Prep	
890-1558-13	CS-13 (4)	Total/NA	Solid	8015NM Prep	
890-1558-14	CS-14 (4)	Total/NA	Solid	8015NM Prep	
890-1558-15	CS-15 (4)	Total/NA	Solid	8015NM Prep	
890-1558-16	CS-16 (4)	Total/NA	Solid	8015NM Prep	
890-1558-17	SW-1	Total/NA	Solid	8015NM Prep	
890-1558-18	SW-2	Total/NA	Solid	8015NM Prep	
890-1558-19	SW-3	Total/NA	Solid	8015NM Prep	
890-1558-20	SW-4	Total/NA	Solid	8015NM Prep	
MB 880-12048/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-12048/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-12048/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1558-1 MS	CS-1 (0.5)	Total/NA	Solid	8015NM Prep	
890-1558-1 MSD	CS-1 (0.5)	Total/NA	Solid	8015NM Prep	

Analysis Batch: 12088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-21	SW-5	Total/NA	Solid	8015B NM	12101
890-1558-22	SW-6	Total/NA	Solid	8015B NM	12101
890-1558-23	SW-7	Total/NA	Solid	8015B NM	12101
890-1558-24	SW-8	Total/NA	Solid	8015B NM	12101
890-1558-25	SW-9	Total/NA	Solid	8015B NM	12101
890-1558-26	SW-10	Total/NA	Solid	8015B NM	12101
MB 880-12101/1-A	Method Blank	Total/NA	Solid	8015B NM	12101
LCS 880-12101/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	12101
LCSD 880-12101/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	12101
890-1561-A-21-E MS	Matrix Spike	Total/NA	Solid	8015B NM	12101
890-1561-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	12101

Analysis Batch: 12090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-1	CS-1 (0.5)	Total/NA	Solid	8015B NM	12048
890-1558-2	CS-2 (0.5)	Total/NA	Solid	8015B NM	12048
890-1558-3	CS-3 (0.5)	Total/NA	Solid	8015B NM	12048
890-1558-4	CS-4 (0.5)	Total/NA	Solid	8015B NM	12048
890-1558-5	CS-5 (0.5)	Total/NA	Solid	8015B NM	12048
890-1558-6	CS-6 (0.5)	Total/NA	Solid	8015B NM	12048
890-1558-7	CS-7 (0.5)	Total/NA	Solid	8015B NM	12048
890-1558-8	CS-8 (0.5)	Total/NA	Solid	8015B NM	12048
890-1558-9	CS-9 (4)	Total/NA	Solid	8015B NM	12048

QC Association Summary

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Analysis Batch: 12090 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-10	CS-10 (4)	Total/NA	Solid	8015B NM	12048
890-1558-11	CS-11 (4)	Total/NA	Solid	8015B NM	12048
890-1558-12	CS-12 (4)	Total/NA	Solid	8015B NM	12048
890-1558-13	CS-13 (4)	Total/NA	Solid	8015B NM	12048
890-1558-14	CS-14 (4)	Total/NA	Solid	8015B NM	12048
890-1558-15	CS-15 (4)	Total/NA	Solid	8015B NM	12048
890-1558-16	CS-16 (4)	Total/NA	Solid	8015B NM	12048
890-1558-17	SW-1	Total/NA	Solid	8015B NM	12048
890-1558-18	SW-2	Total/NA	Solid	8015B NM	12048
890-1558-19	SW-3	Total/NA	Solid	8015B NM	12048
890-1558-20	SW-4	Total/NA	Solid	8015B NM	12048
MB 880-12048/1-A	Method Blank	Total/NA	Solid	8015B NM	12048
LCS 880-12048/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	12048
LCSD 880-12048/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	12048
890-1558-1 MS	CS-1 (0.5)	Total/NA	Solid	8015B NM	12048
890-1558-1 MSD	CS-1 (0.5)	Total/NA	Solid	8015B NM	12048

Prep Batch: 12101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-21	SW-5	Total/NA	Solid	8015NM Prep	
890-1558-22	SW-6	Total/NA	Solid	8015NM Prep	
890-1558-23	SW-7	Total/NA	Solid	8015NM Prep	
890-1558-24	SW-8	Total/NA	Solid	8015NM Prep	
890-1558-25	SW-9	Total/NA	Solid	8015NM Prep	
890-1558-26	SW-10	Total/NA	Solid	8015NM Prep	
MB 880-12101/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-12101/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-12101/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1561-A-21-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1561-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 12429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-1	CS-1 (0.5)	Total/NA	Solid	8015 NM	
890-1558-2	CS-2 (0.5)	Total/NA	Solid	8015 NM	
890-1558-3	CS-3 (0.5)	Total/NA	Solid	8015 NM	
890-1558-4	CS-4 (0.5)	Total/NA	Solid	8015 NM	
890-1558-5	CS-5 (0.5)	Total/NA	Solid	8015 NM	
890-1558-6	CS-6 (0.5)	Total/NA	Solid	8015 NM	
890-1558-7	CS-7 (0.5)	Total/NA	Solid	8015 NM	
890-1558-8	CS-8 (0.5)	Total/NA	Solid	8015 NM	
890-1558-9	CS-9 (4)	Total/NA	Solid	8015 NM	
890-1558-10	CS-10 (4)	Total/NA	Solid	8015 NM	
890-1558-11	CS-11 (4)	Total/NA	Solid	8015 NM	
890-1558-12	CS-12 (4)	Total/NA	Solid	8015 NM	
890-1558-13	CS-13 (4)	Total/NA	Solid	8015 NM	
890-1558-14	CS-14 (4)	Total/NA	Solid	8015 NM	
890-1558-15	CS-15 (4)	Total/NA	Solid	8015 NM	
890-1558-16	CS-16 (4)	Total/NA	Solid	8015 NM	
890-1558-17	SW-1	Total/NA	Solid	8015 NM	
890-1558-18	SW-2	Total/NA	Solid	8015 NM	

QC Association Summary

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Analysis Batch: 12429 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-19	SW-3	Total/NA	Solid	8015 NM	
890-1558-20	SW-4	Total/NA	Solid	8015 NM	
890-1558-21	SW-5	Total/NA	Solid	8015 NM	
890-1558-22	SW-6	Total/NA	Solid	8015 NM	
890-1558-23	SW-7	Total/NA	Solid	8015 NM	
890-1558-24	SW-8	Total/NA	Solid	8015 NM	
890-1558-25	SW-9	Total/NA	Solid	8015 NM	
890-1558-26	SW-10	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 12266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-1	CS-1 (0.5)	Soluble	Solid	DI Leach	
890-1558-2	CS-2 (0.5)	Soluble	Solid	DI Leach	
890-1558-3	CS-3 (0.5)	Soluble	Solid	DI Leach	
890-1558-4	CS-4 (0.5)	Soluble	Solid	DI Leach	
890-1558-5	CS-5 (0.5)	Soluble	Solid	DI Leach	
890-1558-6	CS-6 (0.5)	Soluble	Solid	DI Leach	
890-1558-7	CS-7 (0.5)	Soluble	Solid	DI Leach	
890-1558-8	CS-8 (0.5)	Soluble	Solid	DI Leach	
890-1558-9	CS-9 (4)	Soluble	Solid	DI Leach	
890-1558-10	CS-10 (4)	Soluble	Solid	DI Leach	
890-1558-11	CS-11 (4)	Soluble	Solid	DI Leach	
890-1558-12	CS-12 (4)	Soluble	Solid	DI Leach	
890-1558-13	CS-13 (4)	Soluble	Solid	DI Leach	
890-1558-14	CS-14 (4)	Soluble	Solid	DI Leach	
890-1558-15	CS-15 (4)	Soluble	Solid	DI Leach	
890-1558-16	CS-16 (4)	Soluble	Solid	DI Leach	
890-1558-17	SW-1	Soluble	Solid	DI Leach	
890-1558-18	SW-2	Soluble	Solid	DI Leach	
MB 880-12266/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-12266/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-12266/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1558-9 MS	CS-9 (4)	Soluble	Solid	DI Leach	
890-1558-9 MSD	CS-9 (4)	Soluble	Solid	DI Leach	

Leach Batch: 12267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-19	SW-3	Soluble	Solid	DI Leach	
890-1558-20	SW-4	Soluble	Solid	DI Leach	
890-1558-21	SW-5	Soluble	Solid	DI Leach	
890-1558-22	SW-6	Soluble	Solid	DI Leach	
890-1558-23	SW-7	Soluble	Solid	DI Leach	
MB 880-12267/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-12267/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-12267/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-8172-A-3-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-8172-A-3-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

QC Association Summary

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

HPLC/IC

Leach Batch: 12273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-24	SW-8	Soluble	Solid	DI Leach	
890-1558-25	SW-9	Soluble	Solid	DI Leach	
890-1558-26	SW-10	Soluble	Solid	DI Leach	
MB 880-12273/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-12273/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-12273/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1562-A-1-H MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1562-A-1-I MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 12630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-1	CS-1 (0.5)	Soluble	Solid	300.0	12266
890-1558-2	CS-2 (0.5)	Soluble	Solid	300.0	12266
890-1558-3	CS-3 (0.5)	Soluble	Solid	300.0	12266
890-1558-4	CS-4 (0.5)	Soluble	Solid	300.0	12266
890-1558-5	CS-5 (0.5)	Soluble	Solid	300.0	12266
890-1558-6	CS-6 (0.5)	Soluble	Solid	300.0	12266
890-1558-7	CS-7 (0.5)	Soluble	Solid	300.0	12266
890-1558-8	CS-8 (0.5)	Soluble	Solid	300.0	12266
890-1558-9	CS-9 (4)	Soluble	Solid	300.0	12266
890-1558-10	CS-10 (4)	Soluble	Solid	300.0	12266
890-1558-11	CS-11 (4)	Soluble	Solid	300.0	12266
890-1558-12	CS-12 (4)	Soluble	Solid	300.0	12266
890-1558-13	CS-13 (4)	Soluble	Solid	300.0	12266
890-1558-14	CS-14 (4)	Soluble	Solid	300.0	12266
890-1558-15	CS-15 (4)	Soluble	Solid	300.0	12266
890-1558-16	CS-16 (4)	Soluble	Solid	300.0	12266
890-1558-17	SW-1	Soluble	Solid	300.0	12266
890-1558-18	SW-2	Soluble	Solid	300.0	12266
MB 880-12266/1-A	Method Blank	Soluble	Solid	300.0	12266
LCS 880-12266/2-A	Lab Control Sample	Soluble	Solid	300.0	12266
LCSD 880-12266/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	12266
890-1558-9 MS	CS-9 (4)	Soluble	Solid	300.0	12266
890-1558-9 MSD	CS-9 (4)	Soluble	Solid	300.0	12266

Analysis Batch: 12632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-19	SW-3	Soluble	Solid	300.0	12267
890-1558-20	SW-4	Soluble	Solid	300.0	12267
890-1558-21	SW-5	Soluble	Solid	300.0	12267
890-1558-22	SW-6	Soluble	Solid	300.0	12267
890-1558-23	SW-7	Soluble	Solid	300.0	12267
MB 880-12267/1-A	Method Blank	Soluble	Solid	300.0	12267
LCS 880-12267/2-A	Lab Control Sample	Soluble	Solid	300.0	12267
LCSD 880-12267/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	12267
880-8172-A-3-E MS	Matrix Spike	Soluble	Solid	300.0	12267
880-8172-A-3-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	12267

Analysis Batch: 12843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-24	SW-8	Soluble	Solid	300.0	12273

QC Association Summary

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

HPLC/IC (Continued)

Analysis Batch: 12843 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1558-25	SW-9	Soluble	Solid	300.0	12273
890-1558-26	SW-10	Soluble	Solid	300.0	12273
MB 880-12273/1-A	Method Blank	Soluble	Solid	300.0	12273
LCS 880-12273/2-A	Lab Control Sample	Soluble	Solid	300.0	12273
LCSD 880-12273/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	12273
890-1562-A-1-H MS	Matrix Spike	Soluble	Solid	300.0	12273
890-1562-A-1-I MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	12273

Lab Chronicle

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: CS-1 (0.5)
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Lab Sample ID: 890-1558-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	12023	11/11/21 12:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12412	11/17/21 02:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	12048	11/11/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12090	11/12/21 12:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	12266	11/15/21 10:20	CA	XEN MID
Soluble	Analysis	300.0		1			12630	11/19/21 19:48	SC	XEN MID

Client Sample ID: CS-2 (0.5)
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Lab Sample ID: 890-1558-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	12023	11/11/21 12:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12412	11/17/21 02:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	12048	11/11/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12090	11/12/21 13:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	12266	11/15/21 10:20	CA	XEN MID
Soluble	Analysis	300.0		1			12630	11/19/21 20:32	SC	XEN MID

Client Sample ID: CS-3 (0.5)
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Lab Sample ID: 890-1558-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	12023	11/11/21 12:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12412	11/17/21 03:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	12048	11/11/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12090	11/12/21 13:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	12266	11/15/21 10:20	CA	XEN MID
Soluble	Analysis	300.0		1			12630	11/19/21 19:58	SC	XEN MID

Client Sample ID: CS-4 (0.5)
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Lab Sample ID: 890-1558-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	12023	11/11/21 12:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12412	11/17/21 03:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: CS-4 (0.5)

Lab Sample ID: 890-1558-4

Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	12048	11/11/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12090	11/12/21 14:08	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	12266	11/15/21 10:20	CA	XEN MID
Soluble	Analysis	300.0		1			12630	11/19/21 20:37	SC	XEN MID

Client Sample ID: CS-5 (0.5)

Lab Sample ID: 890-1558-5

Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	12023	11/11/21 12:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12412	11/17/21 04:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	12048	11/11/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12090	11/12/21 14:30	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	12266	11/15/21 10:20	CA	XEN MID
Soluble	Analysis	300.0		1			12630	11/19/21 20:17	SC	XEN MID

Client Sample ID: CS-6 (0.5)

Lab Sample ID: 890-1558-6

Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	12023	11/11/21 12:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12412	11/17/21 04:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	12048	11/11/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12090	11/12/21 14:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	12266	11/15/21 10:20	CA	XEN MID
Soluble	Analysis	300.0		1			12630	11/20/21 14:46	SC	XEN MID

Client Sample ID: CS-7 (0.5)

Lab Sample ID: 890-1558-7

Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	12023	11/11/21 12:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12412	11/17/21 05:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	12048	11/11/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12090	11/12/21 15:14	AJ	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: CS-7 (0.5)

Lab Sample ID: 890-1558-7
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	12266	11/15/21 10:20	CA	XEN MID
Soluble	Analysis	300.0		1			12630	11/19/21 20:27	SC	XEN MID

Client Sample ID: CS-8 (0.5)

Lab Sample ID: 890-1558-8
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	12023	11/11/21 12:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12412	11/17/21 05:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	12048	11/11/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12090	11/12/21 15:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	12266	11/15/21 10:20	CA	XEN MID
Soluble	Analysis	300.0		1			12630	11/19/21 20:42	SC	XEN MID

Client Sample ID: CS-9 (4)

Lab Sample ID: 890-1558-9
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	12023	11/11/21 12:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12412	11/17/21 05:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	12048	11/11/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12090	11/12/21 15:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	12266	11/15/21 10:20	CA	XEN MID
Soluble	Analysis	300.0		1			12630	11/20/21 14:51	SC	XEN MID

Client Sample ID: CS-10 (4)

Lab Sample ID: 890-1558-10
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	12023	11/11/21 12:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12412	11/17/21 06:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	12048	11/11/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12090	11/12/21 16:19	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	12266	11/15/21 10:20	CA	XEN MID
Soluble	Analysis	300.0		1			12630	11/19/21 21:01	SC	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: CS-11 (4)

Lab Sample ID: 890-1558-11
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	12023	11/11/21 12:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12412	11/17/21 08:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	12048	11/11/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12090	11/12/21 17:46	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	12266	11/15/21 10:20	CA	XEN MID
Soluble	Analysis	300.0		1			12630	11/19/21 21:06	SC	XEN MID

Client Sample ID: CS-12 (4)

Lab Sample ID: 890-1558-12
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	12023	11/11/21 12:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12412	11/17/21 08:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	12048	11/11/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12090	11/12/21 18:07	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	12266	11/15/21 10:20	CA	XEN MID
Soluble	Analysis	300.0		1			12630	11/19/21 21:21	SC	XEN MID

Client Sample ID: CS-13 (4)

Lab Sample ID: 890-1558-13
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	12023	11/11/21 12:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12412	11/17/21 08:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	12048	11/11/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12090	11/12/21 18:29	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	12266	11/15/21 10:20	CA	XEN MID
Soluble	Analysis	300.0		1			12630	11/19/21 21:26	SC	XEN MID

Client Sample ID: CS-14 (4)

Lab Sample ID: 890-1558-14
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	12023	11/11/21 12:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12412	11/17/21 09:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: CS-14 (4)

Lab Sample ID: 890-1558-14

Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	12048	11/11/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12090	11/12/21 18:51	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	12266	11/15/21 10:20	CA	XEN MID
Soluble	Analysis	300.0		1			12630	11/19/21 21:31	SC	XEN MID

Client Sample ID: CS-15 (4)

Lab Sample ID: 890-1558-15

Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	12023	11/11/21 12:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12412	11/17/21 09:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	12048	11/11/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12090	11/12/21 19:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	12266	11/15/21 10:20	CA	XEN MID
Soluble	Analysis	300.0		1			12630	11/19/21 21:36	SC	XEN MID

Client Sample ID: CS-16 (4)

Lab Sample ID: 890-1558-16

Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	12023	11/11/21 12:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12412	11/17/21 10:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	12048	11/11/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12090	11/12/21 19:33	AJ	XEN MID
Soluble	Leach	DI Leach			498 g	50 mL	12266	11/15/21 10:20	CA	XEN MID
Soluble	Analysis	300.0		1			12630	11/19/21 21:41	SC	XEN MID

Client Sample ID: SW-1

Lab Sample ID: 890-1558-17

Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	12023	11/11/21 12:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12412	11/17/21 10:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	12048	11/11/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12090	11/12/21 19:55	AJ	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: SW-1

Lab Sample ID: 890-1558-17
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	12266	11/15/21 10:20	CA	XEN MID
Soluble	Analysis	300.0		1			12630	11/19/21 21:46	SC	XEN MID

Client Sample ID: SW-2

Lab Sample ID: 890-1558-18
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	12023	11/11/21 12:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12412	11/17/21 11:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	12048	11/11/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12090	11/12/21 20:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	12266	11/15/21 10:20	CA	XEN MID
Soluble	Analysis	300.0		1			12630	11/19/21 21:50	SC	XEN MID

Client Sample ID: SW-3

Lab Sample ID: 890-1558-19
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	12023	11/11/21 12:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12412	11/17/21 11:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	12048	11/11/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12090	11/12/21 20:38	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	12267	11/15/21 10:24	CA	XEN MID
Soluble	Analysis	300.0		1			12632	11/18/21 20:24	CH	XEN MID

Client Sample ID: SW-4

Lab Sample ID: 890-1558-20
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	12023	11/11/21 12:59	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12412	11/17/21 12:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	12048	11/11/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12090	11/12/21 21:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	12267	11/15/21 10:24	CA	XEN MID
Soluble	Analysis	300.0		1			12632	11/18/21 20:32	CH	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: SW-5
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Lab Sample ID: 890-1558-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	12300	11/16/21 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12439	11/16/21 14:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	12101	11/12/21 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12088	11/13/21 01:06	AJ	XEN MID
Soluble	Leach	DI Leach			498 g	50 mL	12267	11/15/21 10:24	CA	XEN MID
Soluble	Analysis	300.0		1			12632	11/18/21 20:39	CH	XEN MID

Client Sample ID: SW-6
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Lab Sample ID: 890-1558-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	12300	11/16/21 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12439	11/16/21 20:51	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	12101	11/12/21 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12088	11/13/21 01:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	12267	11/15/21 10:24	CA	XEN MID
Soluble	Analysis	300.0		1			12632	11/18/21 20:47	CH	XEN MID

Client Sample ID: SW-7
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Lab Sample ID: 890-1558-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	12208	11/15/21 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12216	11/15/21 14:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	12101	11/12/21 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12088	11/13/21 01:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	12267	11/15/21 10:24	CA	XEN MID
Soluble	Analysis	300.0		1			12632	11/18/21 20:54	CH	XEN MID

Client Sample ID: SW-8
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Lab Sample ID: 890-1558-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	12208	11/15/21 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12216	11/15/21 15:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/16/21 14:23	AJ	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Client Sample ID: SW-8

Lab Sample ID: 890-1558-24
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	12101	11/12/21 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12088	11/13/21 02:14	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	12273	11/15/21 10:45	CA	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	12843	11/20/21 19:32	CH	XEN MID

Client Sample ID: SW-9

Lab Sample ID: 890-1558-25
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	12122	11/12/21 11:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12115	11/13/21 19:32	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/17/21 16:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	12101	11/12/21 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12088	11/13/21 02:37	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	12273	11/15/21 10:45	CA	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	12843	11/20/21 19:42	CH	XEN MID

Client Sample ID: SW-10

Lab Sample ID: 890-1558-26
Matrix: Solid
Date Collected: 11/10/21 00:00
Date Received: 11/10/21 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	12122	11/12/21 11:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12115	11/13/21 19:53	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/17/21 16:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12429	11/16/21 09:36	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	12101	11/12/21 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12088	11/13/21 03:00	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	12273	11/15/21 10:45	CA	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	12843	11/20/21 19:53	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: NT Global
Project/Site: Red Road SWD - 214692

Job ID: 890-1558-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1558-1	CS-1 (0.5)	Solid	11/10/21 00:00	11/10/21 13:00	0.5
890-1558-2	CS-2 (0.5)	Solid	11/10/21 00:00	11/10/21 13:00	0.5
890-1558-3	CS-3 (0.5)	Solid	11/10/21 00:00	11/10/21 13:00	0.5
890-1558-4	CS-4 (0.5)	Solid	11/10/21 00:00	11/10/21 13:00	0.5
890-1558-5	CS-5 (0.5)	Solid	11/10/21 00:00	11/10/21 13:00	0.5
890-1558-6	CS-6 (0.5)	Solid	11/10/21 00:00	11/10/21 13:00	0.5
890-1558-7	CS-7 (0.5)	Solid	11/10/21 00:00	11/10/21 13:00	0.5
890-1558-8	CS-8 (0.5)	Solid	11/10/21 00:00	11/10/21 13:00	0.5
890-1558-9	CS-9 (4)	Solid	11/10/21 00:00	11/10/21 13:00	4
890-1558-10	CS-10 (4)	Solid	11/10/21 00:00	11/10/21 13:00	4
890-1558-11	CS-11 (4)	Solid	11/10/21 00:00	11/10/21 13:00	4
890-1558-12	CS-12 (4)	Solid	11/10/21 00:00	11/10/21 13:00	4
890-1558-13	CS-13 (4)	Solid	11/10/21 00:00	11/10/21 13:00	4
890-1558-14	CS-14 (4)	Solid	11/10/21 00:00	11/10/21 13:00	4
890-1558-15	CS-15 (4)	Solid	11/10/21 00:00	11/10/21 13:00	4
890-1558-16	CS-16 (4)	Solid	11/10/21 00:00	11/10/21 13:00	4
890-1558-17	SW-1	Solid	11/10/21 00:00	11/10/21 13:00	4
890-1558-18	SW-2	Solid	11/10/21 00:00	11/10/21 13:00	4
890-1558-19	SW-3	Solid	11/10/21 00:00	11/10/21 13:00	4
890-1558-20	SW-4	Solid	11/10/21 00:00	11/10/21 13:00	4
890-1558-21	SW-5	Solid	11/10/21 00:00	11/10/21 13:00	4
890-1558-22	SW-6	Solid	11/10/21 00:00	11/10/21 13:00	4
890-1558-23	SW-7	Solid	11/10/21 00:00	11/10/21 13:00	4
890-1558-24	SW-8	Solid	11/10/21 00:00	11/10/21 13:00	4
890-1558-25	SW-9	Solid	11/10/21 00:00	11/10/21 13:00	4
890-1558-26	SW-10	Solid	11/10/21 00:00	11/10/21 13:00	4

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

Page 1 of 3

Project Manager:	Mike Carmona	Bill to: (if different)	Joe Vargo
Company Name:	NTG Environmental	Company Name:	NGL
Address:	701 Tradewinds BLVD	Address:	865 North Albion Street, Suite 400
City, State ZIP:	Midland, TX 79706	City, State ZIP:	Denver, CO 80220
Phone:	432-813-0263	Email:	Joseph.Vargo@nglep.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Red Road SWD	Turn Around	
Project Number:	214692	☑ Routine ☐ Rush	
Project Location	Eddy Co, NM	Due Date:	
Sampler's Name:	ES	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID:	IR#1 007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.4	
Total Containers:		Corrected Temperature:	1.2	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO+DRO+MRO)	Chloride 300	HOLD	Sample Comments
CS-1 (0.5')	11/10/2021		X		C	1		X	X	X		
CS-2 (0.5')	11/10/2021		X		C	1		X	X	X		
CS-3 (0.5')	11/10/2021		X		C	1		X	X	X		
CS-4 (0.5')	11/10/2021		X		C	1		X	X	X		
CS-5 (0.5')	11/10/2021		X		C	1		X	X	X		
CS-6 (0.5')	11/10/2021		X		C	1		X	X	X		
CS-7 (0.5')	11/10/2021		X		C	1		X	X	X		
CS-8 (0.5')	11/10/2021		X		C	1		X	X	X		
CS-9 (4')	11/10/2021		X		C	1		X	X	X		
CS-10 (4')	11/10/2021		X		C	1		X	X	X		

890-1558 Chain of Custody

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	11.10.21 1300	11/10	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

Page 2 of 3

Project Manager:	Mike Carmona	Bill to: (if different)	Joe Vargo
Company Name:	NTG Environmental	Company Name:	NGL
Address:	701 Tradewinds BLVD	Address:	865 North Albion Street, Suite 400
City, State ZIP:	Midland, TX 79706	City, State ZIP:	Denver, CO 80220
Phone:	432-813-0263	Email:	Joseph.Vargo@nglep.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Red Road SWD	Turn Around	
Project Number:	214692	☑ Routine ☐ Rush	
Project Location	Eddy Co, NM	Due Date:	
Sampler's Name:	ES	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO DI Water: H_2O

Cool: Cool MeOH: Me

HCL: HC HNO_3: HN

H_2S0_4: H_2 NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO+DRO+MRO)	Chloride 300	HOLD	Sample Comments
CS-11 (4')	11/10/2021		X		C	1		X	X	X		
CS-12 (4')	11/10/2021		X		C	1		X	X	X		
CS-13 (4')	11/10/2021		X		C	1		X	X	X		
CS-14 (4')	11/10/2021		X		C	1		X	X	X		
CS-15 (4')	11/10/2021		X		C	1		X	X	X		
CS-16 (4')	11/10/2021		X		C	1		X	X	X		
SW-1	11/10/2021		X		C	1		X	X	X		
SW-2	11/10/2021		X		C	1		X	X	X		
SW-3	11/10/2021		X		C	1		X	X	X		
SW-4	11/10/2021		X		C	1		X	X	X		

Additional Comments:

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		11.10.21 1300	11/10	2		
3				4		
5				6		

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

Page ___3__ of ___3___

Project Manager:	Mike Carmona	Bill to: (if different)	Joe Vargo
Company Name:	NTG Environmental	Company Name:	NGL
Address:	701 Tradewinds BLVD	Address:	865 North Albion Street, Suite 400
City, State ZIP:	Midland, TX 79706	City, State ZIP:	Denver, CO 80220
Phone:	432-813-0263	Email:	Joseph.Vargo@nglep.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Red Road SWD	Turn Around	
Project Number:	214692	☑ Routine ☐ Rush	
Project Location	Eddy Co, NM	Due Date:	
Sampler's Name:	ES	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO+DRO+MRO)	Chloride 300	HOLD	Sample Comments
SW-5	11/10/2021		X		C	1		X	X	X		
SW-6	11/10/2021		X		C	1		X	X	X		
SW-7	11/10/2021		X		C	1		X	X	X		
SW-8	11/10/2021		X		C	1		X	X	X		
SW-9	11/10/2021		X		C	1		X	X	X		
SW-10	11/10/2021		X		C	1		X	X	X		

Additional Comments:

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		Dee Cruz 11-10-21 1300	11/10	2		
3				4		
5				6		

Revised Date 05012020 Rev. 2020.1

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-502 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 1 of 3
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-1558-1
Address: 1211 W Florida Ave	Due Date Requested: 11/16/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Red Road SWD	Project #: 88000222			
Site	SSOW#:			

Preservation Codes

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep (MOD) Full TPHGRO-DRO-MRO	8021B/5035FP_Calc BTEX	8015MOD_Calc	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
CS-1 (0 5) (890-1558-1)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
CS-2 (0 5) (890-1558-2)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
CS-3 (0 5) (890-1558-3)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
CS-4 (0 5) (890-1558-4)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
CS-5 (0 5) (890-1558-5)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
CS-6 (0 5) (890-1558-6)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
CS-7 (0 5) (890-1558-7)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
CS-8 (0 5) (890-1558-8)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
CS-9 (4) (890-1558-9)	11/10/21	Mountain		Solid			X	X	X	X	X	1	

Note Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Clue Cusp 11-10-21			Leticia R	11/11/21 11:25	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks. 3.2/33

Ver 06/08/2021

Eurofins Xenco, Carlsbad
1089 N Canal St
Carlsbad NM 88220
Phone. 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-502 2
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 2 of 3
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-1558-1
Address: 1211 W Florida Ave	Due Date Requested: 11/16/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Red Road SWD	Project #: 88000222			
Site	SSOW#:			

Analysis Requested

Preservation Codes

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH/GRO-DRO-MRO	8021B/6036FP_Calc BTEX	8015MOD_Calc	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note
			Preservation Code:										
CS-10 (4) (890-1558-10)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
CS-11 (4) (890-1558-11)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
CS-12 (4) (890-1558-12)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
CS-13 (4) (890-1558-13)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
CS-14 (4) (890-1558-14)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
CS-15 (4) (890-1558-15)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
CS-16 (4) (890-1558-16)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
SW-1 (890-1558-17)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
SW-2 (890-1558-18)	11/10/21	Mountain		Solid			X	X	X	X	X	1	

Note Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by: Cloe Cuff 11.10.21	Date/Time:	Company	Received by: Leticia R	Date/Time: 11/11/21 11 25	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time.	Company	Received by:	Date/Time:	Company

Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		3.2/3.3

Ver: 06/08/2021

Eurofins Xenco, Carlsbad
1089 N Canal St
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-502 3
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 3 of 3
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-1558-1
Address: 1211 W Florida Ave	Due Date Requested: 11/16/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Red Road SWD	Project #: 88000222			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH GRO-DRO-MRO	8021B/5035FP_Calc BTEX	8015MOD_Calc	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SW-3 (890-1558-19)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
SW-4 (890-1558-20)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
SW-5 (890-1558-21)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
SW-6 (890-1558-22)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
SW-7 (890-1558-23)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
SW-8 (890-1558-24)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
SW-9 (890-1558-25)	11/10/21	Mountain		Solid			X	X	X	X	X	1	
SW-10 (890-1558-26)	11/10/21	Mountain		Solid			X	X	X	X	X	1	

Note Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Quentin 11.10.21			Leticia R	11/11/21 11 25	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 3.2/3.3

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-1558-1
SDG Number: Eddy County NM

Login Number: 1558
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-1558-1
SDG Number: Eddy County NM

Login Number: 1558
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Xenco, Midland
List Creation: 11/11/21 11:49 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 65036

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 65036
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	12/30/2021