Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

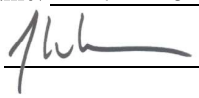
- ☑ Detailed description of proposed remediation technique
- ☑ Scaled sitemap with GPS coordinates showing delineation points
- ☑ Estimated volume of material to be remediated
- ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: 
Date: 1.10.2022

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

OCD Only

Received by: Chad Hensley
Date: 02/01/2022

☒ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: 
Date: 02/01/2022

Site Information

Work Plan
Vaca Draw Booster
Lea County, New Mexico
Unit P Sec 21 T25S R33E
Incident #: nAPP2132035437
32.110844°, -103.570967°

Produced Water Release
Source: Failed 24" poly
Release Date: 11/14/2021
Volume Released: 60 bbls/ Produced Water
Volume Recovered: 30 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

TABLE OF CONTENTS

FIGURES

TABLES/PHOTOLOG

APPENDICES

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

January 10, 2022

New Mexico Oil Conservation Division
1220 South St, Francis Drive
Sante Fe, NM 87505

Re: Work Plan
Vaca Draw Booster
NGL Energy Partners
Site Location: Unit P, S21, T25S, R33E
Incident #:nAPP2132035437
(Lat 32.110844 º, Long -103.570967°)
Lea County, New Mexico

To whom it may concern:

On behalf of NGL Energy Partners (NGL), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment activities Vaca Draw Booster. The site is located at 32.110844º, -103.570967º within Unit P, S21, T25S, R33E, in Lea County (Figures 1 and 2).

Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on November 14, 2021, caused by a 24"-inch polyline failure. It resulted in the release of approximately sixty (60) barrels of produced water, and thirty (30) barrels of produced water were recovered. The impacted area measured approximately 220' x 90', as shown on Figure 3. The initial C-141 form is attached in Appendix A.

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, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.97 miles Southwest of the site in S20, T25S, R33E, and drilled in 1981, with a reported depth to groundwater of 204.36' 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: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg

Assessment Activities

Initial Assessment

On November 11, 2021, NTGE personnel were on site to horizontally and vertically define the release. A total of ten (10) soil sample points (S-1 through S-5) and eight (8) horizontal sample points (H-1 through H-8) were installed to total depths ranging from surface to 4ft below the surface.

Soil samples were collected and submitted to the laboratory 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 1. The sample locations are shown on Figure 3.

Referring to Table 1, the areas of (S-1, S-2, S-3, and S-5) had chloride concentrations ranging from 4,110 mg/kg to 10,600 mg/kg at a depth from the surface to 1-1.5' below surface. The area of (S-4) had chloride concentrations of 684 mg/kg at a depth from the surface to 1.0' below surface and 275 mg/kg at a depth from 1.0'-1.5 below surface. The area of (S-1) showed a high TPH concentration of 219 mg/kg at surface to 1.0' below surface. Due to the dense layer, NTG was not able to vertically delineate via hand auger the areas of (S-1, S-2, S-3, and S-5).

Trenches

On December 2, 2021, NTGE personnel were on site to vertically define the release. A total of four (4) trenches (Trench-1 through Trench-4) were installed to total depths ranging from surface to 4.0' ft below surface. Soil samples were collected and submitted to the laboratory 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 1. The sample locations are shown on Figure 3.

The areas of S-1 (Trench-1), S-2 (Trench-2), S-3 (Trench-3), S-5 (Trench-4) were all vertically delineated. Refer to Table 1.

Proposed Work Plan

Based on the laboratory results and the detected chloride and TPH concentrations, NGL proposes to excavate the areas as shown in Figure 4 and highlighted (yellow) in Table 1.

- The areas of S-1 (Trench-1), and S-5 (Trench-4) will be excavated to a depth of 3.0' below the surface and backfilled with clean material to grade.
- The area of S-2 (Trench-2) will be excavated to a depth of 4.0' below the surface and backfilled with clean material to grade.
- The areas of S-3 (Trench-3) and S-4 will be excavated to a depth of 1.5' below the surface and backfilled with clean material to grade.
- NGL proposes to collect composite sidewall and bottom hole samples every 250 square feet and analyze for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 300.0., to be representative of the release area for documentation purposes.
- NGL estimates approximately 575 cubic yards to be removed and hauled to the nearest disposal.
- Once the site activities and excavation are complete, the areas will be backfilled with clean material to surface grade. The remediation will be implemented 90 days after the work plan is approved.

Safety Concerns

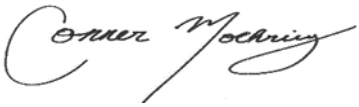
In addition, impacted soil around oil and gas equipment, structures or lines may not be feasible or practicable to be removed due to safety concerns for onsite personnel. As such, NGL will excavate the impacted soils to the maximum extent possible.

Conclusions

Upon completion, a final report detailing the remediation activities will be submitted to the NMOCD. If you have any questions regarding this report or need additional information, please contact us at 432-813-0263.

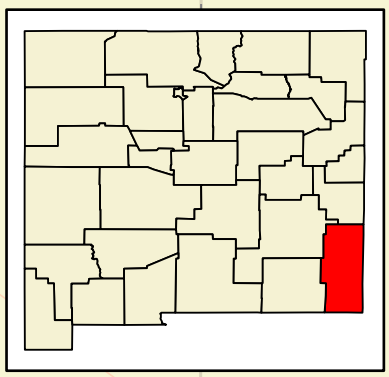
Sincerely,
NTG Environmental

Mike Carmona
Senior Project Manager



Conner Moehring
Project Manager

Figures



128

W NM Highway 128

Ochoa

Vaca Draw
Booster (11.14.21)

Orla Rd

652

Loving

0 2 4 6 8
Miles

LEGEND

Site Location

SITE LOCATION MAP
NGL ENERGY PARTNERS
VACA DRAW BOOSTER (11.14.21)
LEA COUNTY, NEW MEXICO
32.110844, -103.570967

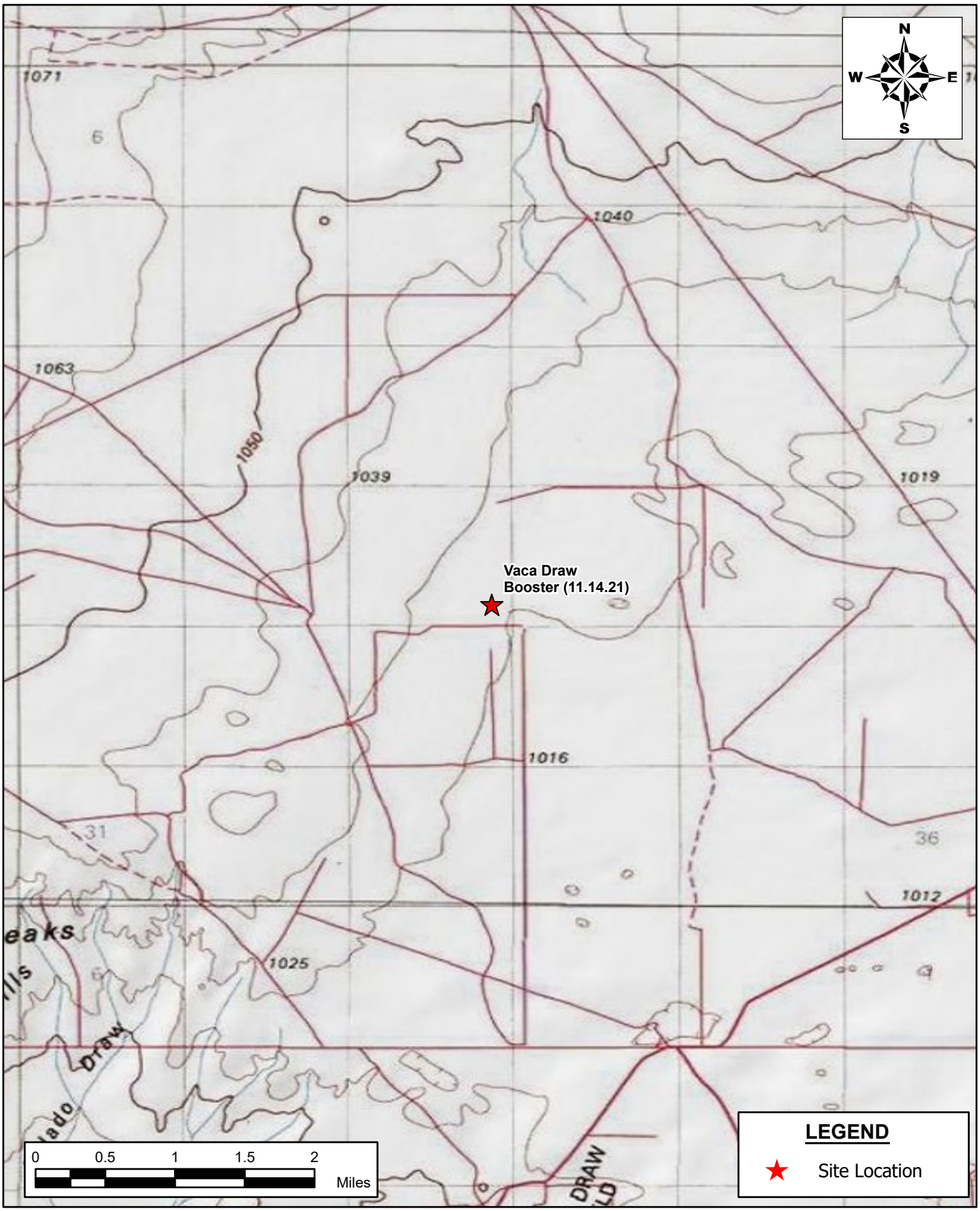
SCALE: As Shown | Date: 12/21/2021 | PROJECT #: 214924

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

Document Path: P:\2021 PROJECTS\NGL\214924 - Vaca Draw Booster (11.14.21)\7 - Figures\GIS\Geodatabase\Vaca Draw Booster (11.14.21) Figures.aprx



AREA MAP
NGL ENERGY PARTNERS
VACA DRAW BOOSTER (11.14.21)
LEA COUNTY, NEW MEXICO
32.110844, -103.570967

SCALE: As Shown	Date: 12/21/2021	PROJECT #: 214924

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 2
SHEET NUMBER:
1 of 1

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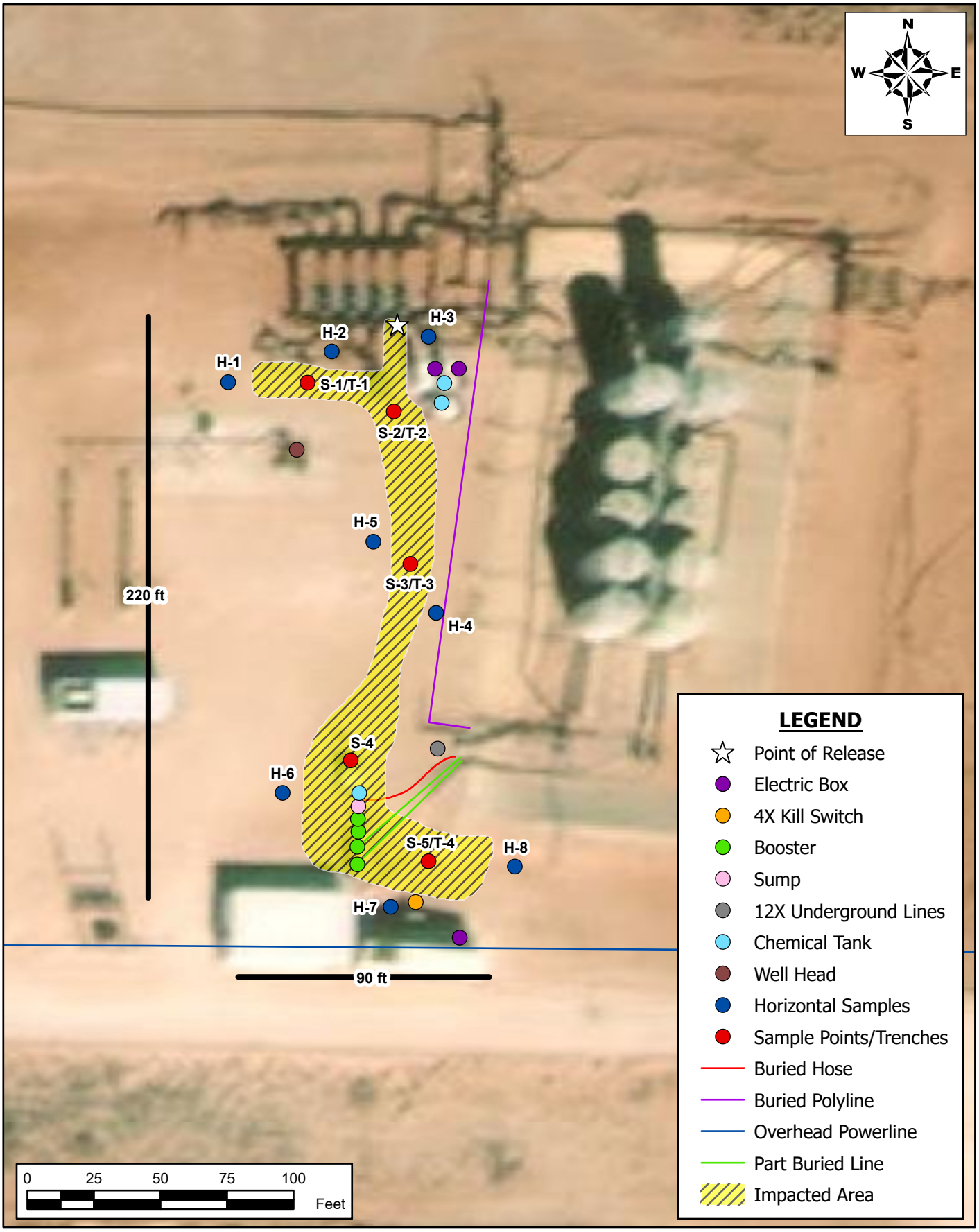

SAMPLE LOCATION MAP
NGL ENERGY PARTNERS
VACA DRAW BOOSTER (11.14.21)
LEA COUNTY, NEW MEXICO
32.110844, -103.570967

SCALE: As Shown | Date: 1/5/2022 | PROJECT #: 214924

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
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Web: www.ntglobal.com

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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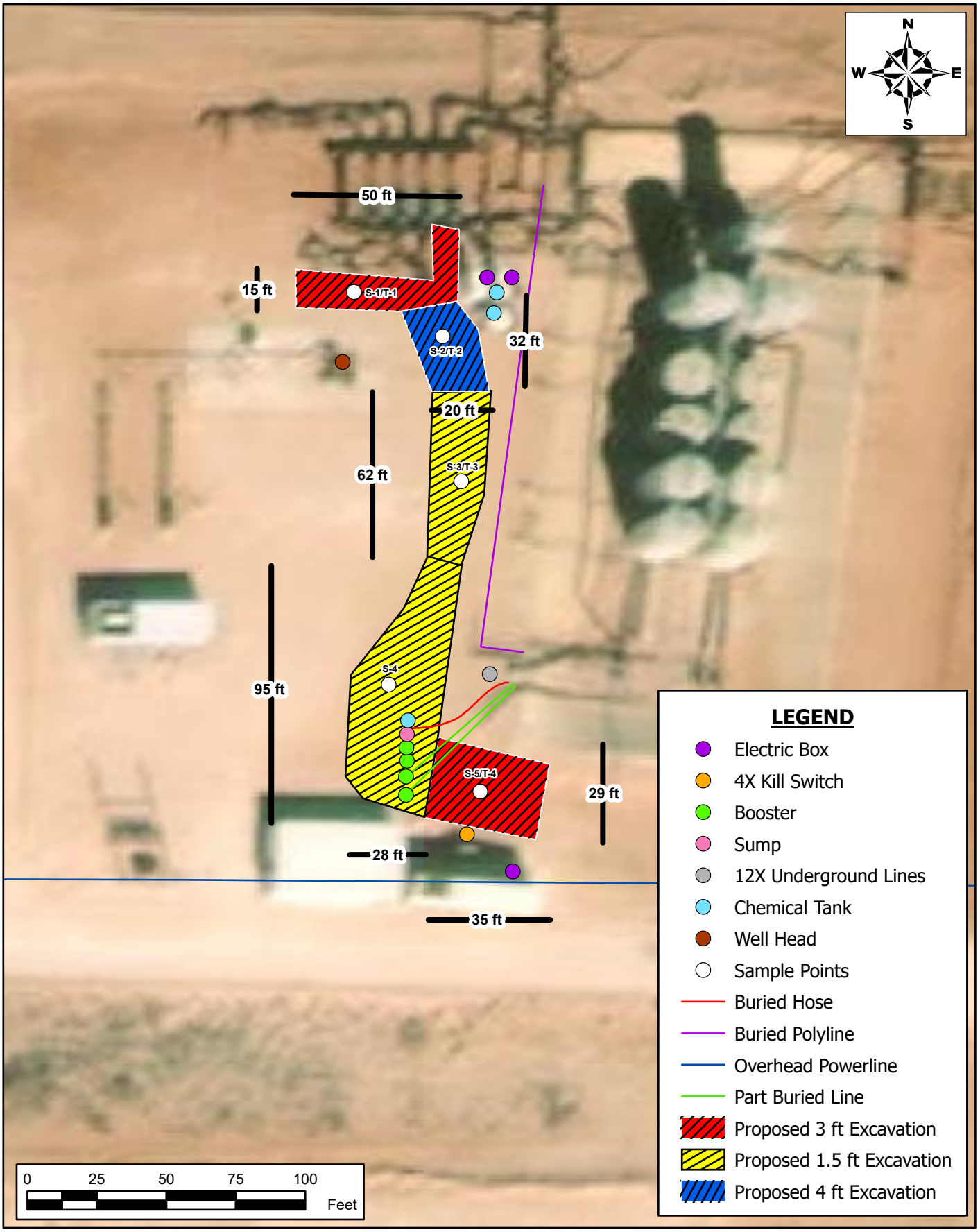

PROPOSED EXCAVATION DEPTH MAP
NGL ENERGY PARTNERS
VACA DRAW BOOSTER (11.14.21)
LEA COUNTY, NEW MEXICO
32.110844, -103.570967

SCALE: As Shown | Date: 1/5/2022 | PROJECT #: 214924

New Tech Global Environmental, LLC
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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

Document Path: P:\2021 PROJECTS\NGL\214924 - Vaca Draw Booster (11.14.21)\7 - Figures\GIS\Geodatabase\Vaca Draw Booster (11.14.21) Figures.aprx

Tables

Table 1
NGL Energy Partners
Vaca Draw Booster (11.14.21)
Lea 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	11/22/2021	0-1'	<50.0	**219**	<50.0	**219**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**10,600**
	"	1-1.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**6,410**
T-1	12/21/2021	0-1'	**410**	<49.9	<49.9	**410**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**9,550**
	"	1'	60.0	<50.0	<50.0	60.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	459
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**669**
	"	3'	66.6	<49.9	<49.9	66.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.95
	"	4'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.04
S-2	11/22/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**8,970**
	"	1-1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**4,620**
T-2	12/21/2021	0-1'	**193**	<49.9	<49.9	**193**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**9,130**
	"	1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**3,140**
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**636**
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	**670**
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.98
S-3	11/22/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**8,690**
	"	1-1.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**4,110**
T-3	12/21/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**1,450**
	"	1'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	362
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	131
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	58.3
S-4	11/22/2021	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	**684**
	"	1-1.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	275
S-5	11/22/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**6,380**
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**4,870**
T-4	12/21/2021	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	**1,660**
	"	1'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**608**
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**741**
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	453
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	108

NTGE Project No. 214924

Prepared by: NTG ENVIRONMENTAL

Table 1
NGL Energy Partners
Vaca Draw Booster (11.14.21)
Lea 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						
H-1	11/22/2021	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7.90
H-2	11/22/2021	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	7.55
H-3	11/22/2021	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	9.89
H-4	11/22/2021	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	53.4
H-5	11/22/2021	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	81.4
H-6	11/22/2021	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	42.6
H-7	11/22/2021	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	9.04
H-8	11/22/2021	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	26.9
Regulatory Limits [A]						**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**

- Proposed Excavation

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

NTGE Project No. 214924

Prepared by: NTG ENVIRONMENTAL

Photo Log

PHOTOGRAPHIC LOG

NGL Energy Partners, LLC

Photograph No. 1

Facility: Vaca Draw Booster

County: Lea County, New Mexico

Description:
View Northwest, areas of Sample Points (S-1/ Trench-1, S-2 / Trench-2)

Photograph No. 2

Facility: Vaca Draw Booster

County: Lea County, New Mexico

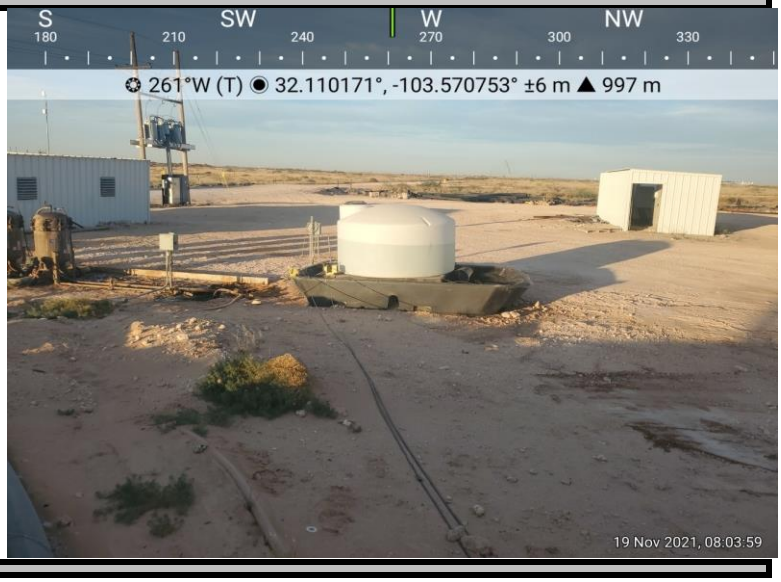
Description:
View Northeast, area of sample point (S-3/Trench-3)

Photograph No. 3

Facility: Vaca Draw Booster

County: Lea County, New Mexico

Description:
View West, area of sample point (S-4).



PHOTOGRAPHIC LOG

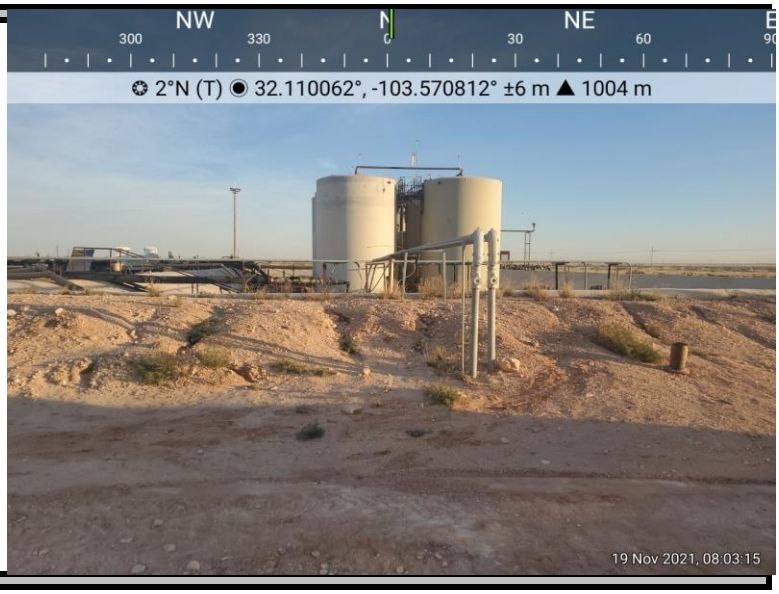
NGL Energy Partners, LLC

Photograph No. 4

Facility: Vaca Draw Booster

County: Lea County, New Mexico

Description:
View North, area of Sample Point (S-5/Trench-4)



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	nAPP2132035437
District RP	
Facility ID	
Application ID	62012

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)* nAPP2132035437
Contact mailing address 865 North Albion Street, Suite 400, Denver, CO 80220	

Location of Release Source

Latitude 32.11040 Longitude -103.57100

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Vaca Draw SWD Booster	Site Type Salt Water Disposal
Date Release Discovered 11-14-2021	API# *(if applicable)* 30-025-23895

Unit Letter	Section	Township	Range	County
P	21	25S	33E	LEA

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

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) 60	Volume Recovered (bbls) 30
	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

Failed 24 inch poly weld on the discharge manifold. Release was contained to the booster pad.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2132035437
District RP	
Facility ID	
Application ID	62012

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
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, in less than 24 hours, a NOR was filed online with the OCD	

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 Director

Signature: Date: 11-23-2021

email: Joseph.Vargo@NGLEP.com Telephone: (303) 597-5652

OCD Only

Received by: Date:

State of New Mexico
Oil Conservation Division

Incident ID	
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?	_____ (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	
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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: _____ Title: _____

Signature: _____ Date: 1.10.2022

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Appendix B

Nearest Water Well

NGL Energy Partners

Legend
- 0.50 Mile Radius
- 0.97 Miles
- 1.24 Miles
- 1.62 Miles
- USGS Water Well
- NMSEO Water Well
- Vaca Draw SWD #1

Vaca Draw SWD #1

204.36' - Drilled 1981

212.97' - Drilled 1976

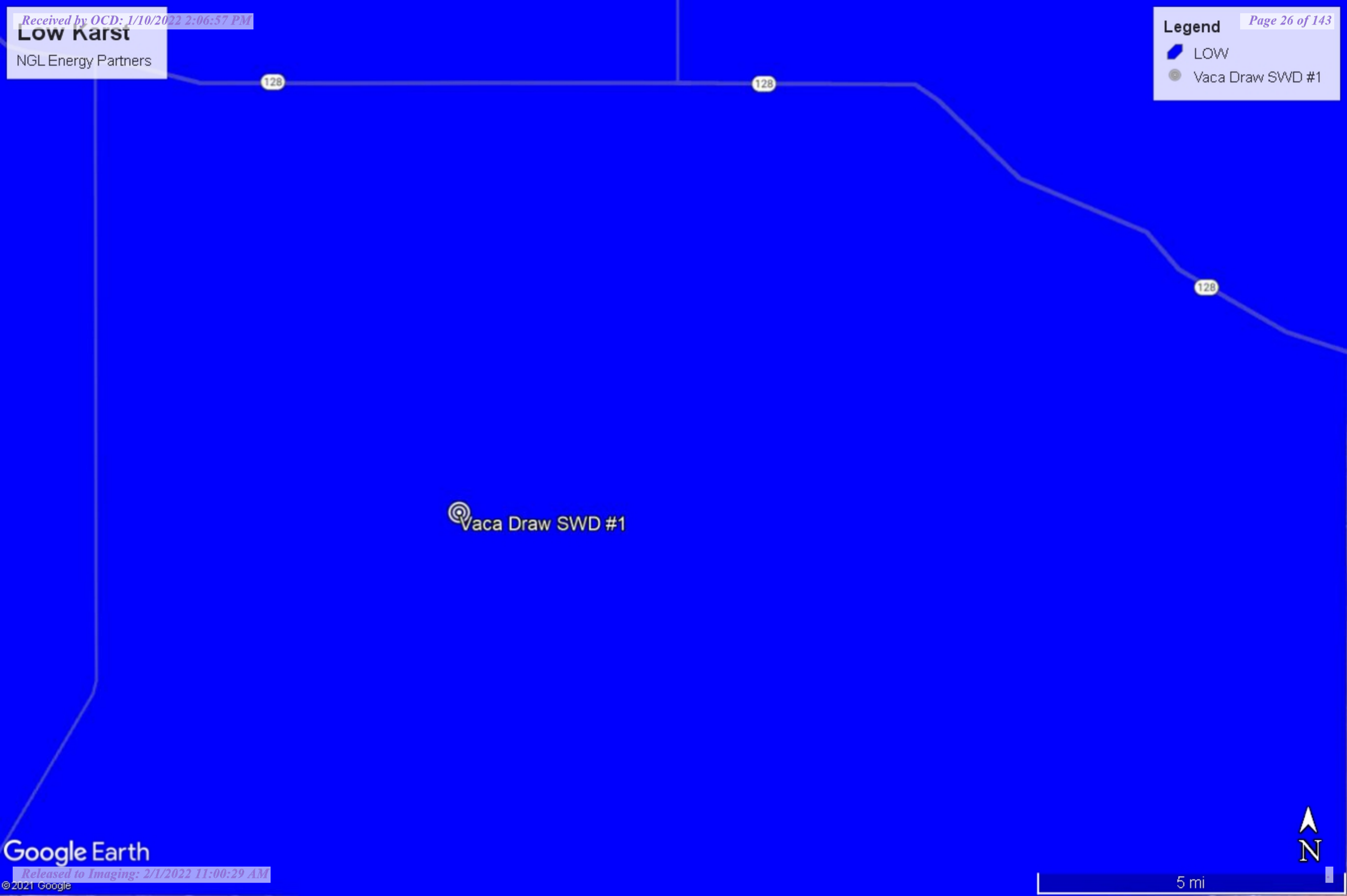
110' - Drilled 1925

N

4000 ft

Low Karst

NGL Energy Partners



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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 02312		CUB	LE	1	2	1	05	25S	33E	632292	3559772	150	90	60
C 02313		CUB	LE	2	3	3	26	25S	33E	636971	3552098*	150	110	40
C 02373 CLW317846	O	CUB	LE	2	1	1	13	25S	33E	638518	3556544*	625	185	440
C 02373 S		CUB	LE	1	2	1	13	25S	33E	638721	3556549*	625	185	440
C 04537 POD1		C	LE	4	4	4	31	25S	33E	631847	3550243	500	280	220

Average Depth to Water: **170 feet**

Minimum Depth: **90 feet**

Maximum Depth: **280 feet**

Record Count: 5

PLSS Search:

Township: 25S **Range:** 33E

***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	Twn	Rng	X	Y
	C 02313	2	3	3	26	25S	33E	636971	3552098*

Driller License: **Driller Company:**

Driller Name: UNKNOWN

Drill Start Date:	01/01/1925	**Drill Finish Date:**	06/30/1925	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	60 GPM
Casing Size:	6.88	**Depth Well:**	150 feet	**Depth Water:**	110 feet

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

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

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 =
- 320631103351401

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

USGS 320631103351401 25S.33E.20.443313

Lea County, New Mexico
Latitude 32°06'31", Longitude 103°35'14" NAD27
Land-surface elevation 3,398 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) 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
1981-03-25		D	62610		3192.01	NGVD29	1	Z		
1981-03-25		D	62611		3193.64	NAVD88	1	Z		
1981-03-25		D	72019	204.36			1	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
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

Section	Code	Description
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
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 19:20:45 EDT
0.28 0.25 nadww02

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

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 =
- 320615103352601

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

USGS 320615103352601 25S.33E.20.443331

Lea County, New Mexico
Latitude 32°06'15", Longitude 103°35'26" NAD27
Land-surface elevation 3,404 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) 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
1970-12-08		D	62610		3189.60	NGVD29	1	Z		
1970-12-08		D	62611		3191.23	NAVD88	1	Z		
1970-12-08		D	72019	212.77			1	Z		
1976-01-08		D	62610		3189.40	NGVD29	1	Z		
1976-01-08		D	62611		3191.03	NAVD88	1	Z		
1976-01-08		D	72019	212.97			1	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
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

Section	Code	Description
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
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

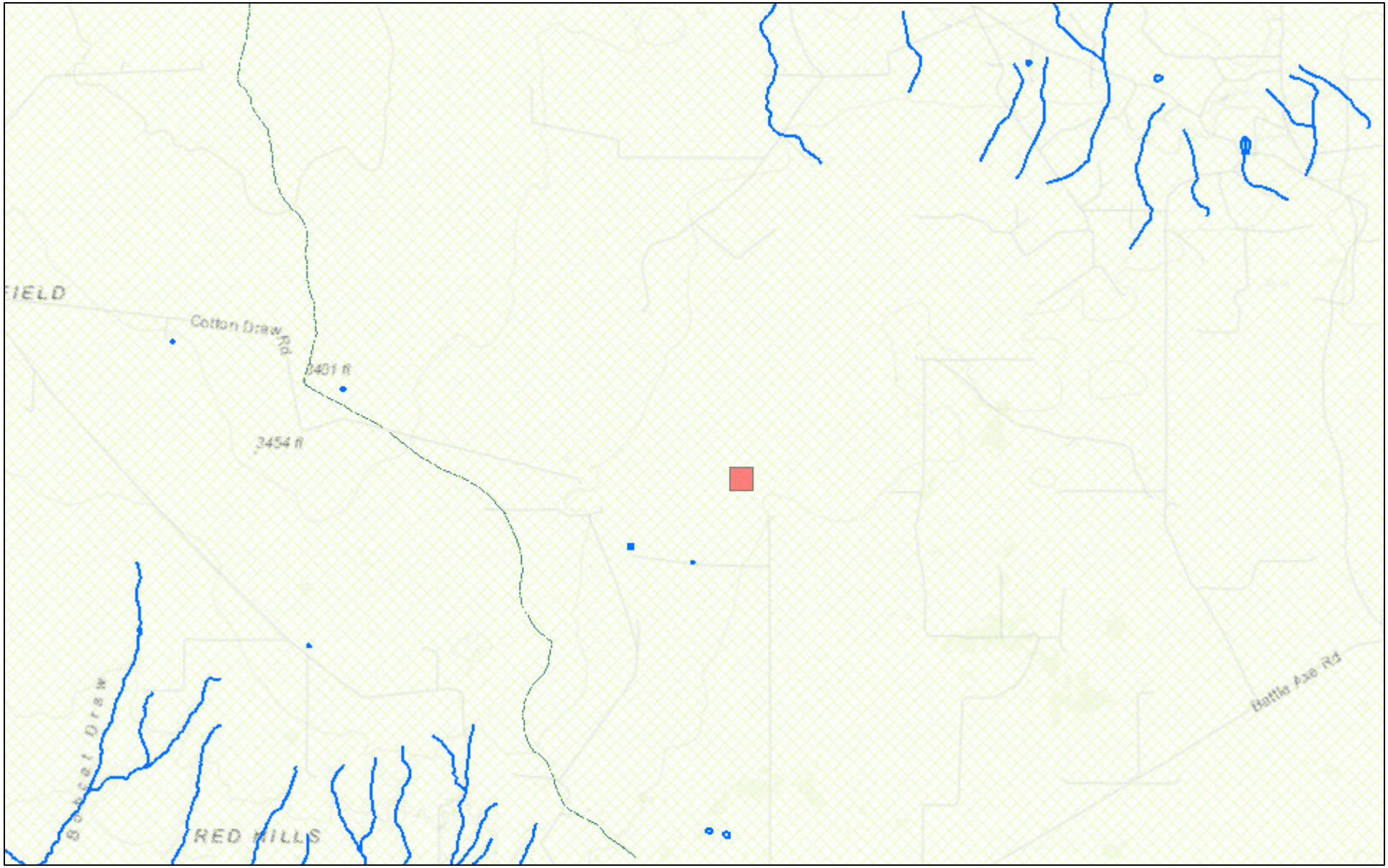
Accessibility FOIA Privacy Policies and Notices

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 19:19:15 EDT
0.28 0.25 nadww02

New Mexico NFHL Data



September 21, 2021

1:72,224

0 0.5 1 2 mi

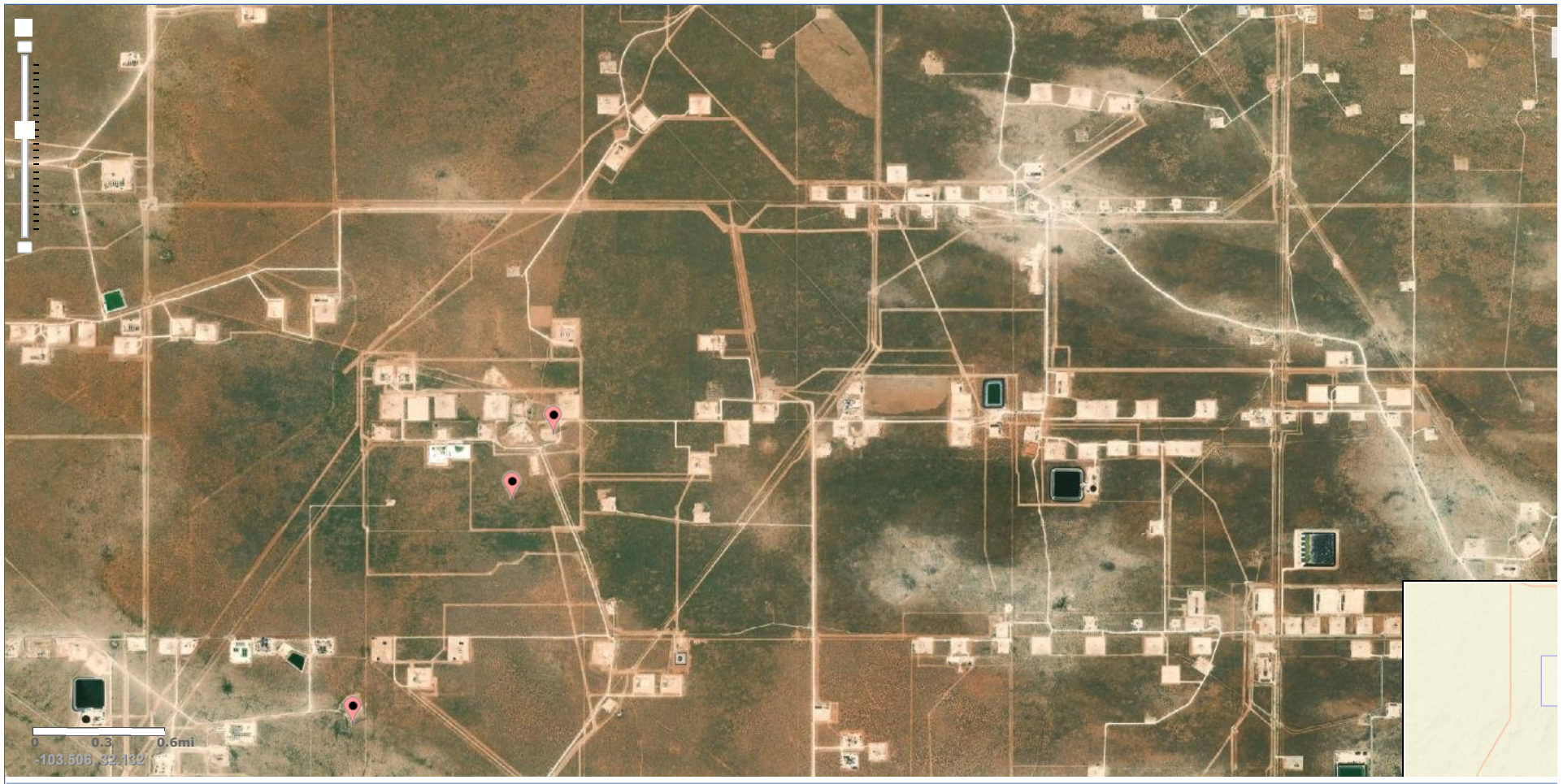
0 1 2 4 km

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

nmflood.org is made possible through a collaboration with NMDHSEM, EDAC, and FEMA
This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

USGS science for a changing world

National Water Information System: Mapper



Site Information

Appendix C

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-8635-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Vaca Draw Booster

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

JKRAMER

Authorized for release by:
12/6/2021 3:05:14 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: Vaca Draw Booster

Laboratory Job ID: 880-8635-1
SDG: Lea Co, NM

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

Job ID: 880-8635-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-8635-1

Receipt
The samples were received on 11/23/2021 11:46 AM. 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 2.0°C

GC VOA
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
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: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

Client Sample ID: S-1 (0-1')

Lab Sample ID: 880-8635-1
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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		11/24/21 10:16	11/29/21 15:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:16	11/29/21 15:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:16	11/29/21 15:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/24/21 10:16	11/29/21 15:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:16	11/29/21 15:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/24/21 10:16	11/29/21 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*11/24/21 10:16*	*11/29/21 15:59*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*11/24/21 10:16*	*11/29/21 15:59*	*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			12/02/21 16:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**219**		50.0		mg/Kg			12/01/21 20:09	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		12/01/21 16:23	12/02/21 15:59	1
Diesel Range Organics (Over C10-C28)	**219**		50.0		mg/Kg		12/01/21 16:23	12/02/21 15:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/21 16:23	12/02/21 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*12/01/21 16:23*	*12/02/21 15:59*	*1*
o-Terphenyl	*111*		*70 - 130*	*12/01/21 16:23*	*12/02/21 15:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10600**		50.2		mg/Kg			12/04/21 22:13	10

Client Sample ID: S-1 (1-1.5')

Lab Sample ID: 880-8635-2
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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		11/24/21 10:16	11/29/21 16:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/24/21 10:16	11/29/21 16:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/24/21 10:16	11/29/21 16:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/24/21 10:16	11/29/21 16:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/24/21 10:16	11/29/21 16:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/24/21 10:16	11/29/21 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*11/24/21 10:16*	*11/29/21 16:26*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*11/24/21 10:16*	*11/29/21 16:26*	*1*

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

Client Sample ID: S-1 (1-1.5')

Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

Lab Sample ID: 880-8635-2
Matrix: Solid

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			12/02/21 16:29	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			12/01/21 20:09	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		12/01/21 16:23	12/02/21 16:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/01/21 16:23	12/02/21 16:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/21 16:23	12/02/21 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*12/01/21 16:23*	*12/02/21 16:20*	*1*
o-Terphenyl	*106*		*70 - 130*	*12/01/21 16:23*	*12/02/21 16:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6410**		49.7		mg/Kg			12/04/21 22:21	10

Client Sample ID: S-2 (0-1')

Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

Lab Sample ID: 880-8635-3
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		11/24/21 10:16	11/29/21 16:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:16	11/29/21 16:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:16	11/29/21 16:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/24/21 10:16	11/29/21 16:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:16	11/29/21 16:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/24/21 10:16	11/29/21 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*11/24/21 10:16*	*11/29/21 16:52*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*11/24/21 10:16*	*11/29/21 16:52*	*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			12/02/21 16:29	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			12/01/21 20:09	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		12/01/21 16:23	12/02/21 16:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/21 16:23	12/02/21 16:42	1

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-8635-3
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/21 16:23	12/02/21 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*12/01/21 16:23*	*12/02/21 16:42*	*1*
o-Terphenyl	*109*		*70 - 130*	*12/01/21 16:23*	*12/02/21 16:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8970**		99.0		mg/Kg			12/04/21 22:29	20

Client Sample ID: S-2 (1-1.5')

Lab Sample ID: 880-8635-4
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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		11/30/21 08:45	12/01/21 03:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/30/21 08:45	12/01/21 03:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/30/21 08:45	12/01/21 03:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/30/21 08:45	12/01/21 03:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/30/21 08:45	12/01/21 03:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/30/21 08:45	12/01/21 03:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*11/30/21 08:45*	*12/01/21 03:14*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*11/30/21 08:45*	*12/01/21 03:14*	*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			12/02/21 16:29	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			12/01/21 20:09	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		12/01/21 16:23	12/02/21 17:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/01/21 16:23	12/02/21 17:03	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/21 16:23	12/02/21 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*12/01/21 16:23*	*12/02/21 17:03*	*1*
o-Terphenyl	*111*		*70 - 130*	*12/01/21 16:23*	*12/02/21 17:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4620**		49.9		mg/Kg			12/04/21 22:38	10

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

Client Sample ID: S-3 (0-1')

Lab Sample ID: 880-8635-5
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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		11/30/21 08:45	12/01/21 03:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/30/21 08:45	12/01/21 03:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/30/21 08:45	12/01/21 03:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/30/21 08:45	12/01/21 03:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/30/21 08:45	12/01/21 03:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/30/21 08:45	12/01/21 03:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*11/30/21 08:45*	*12/01/21 03:35*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/30/21 08:45*	*12/01/21 03:35*	*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			12/02/21 16:29	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			12/01/21 20:09	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		12/01/21 16:23	12/02/21 17:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/21 16:23	12/02/21 17:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/21 16:23	12/02/21 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*12/01/21 16:23*	*12/02/21 17:25*	*1*
o-Terphenyl	*109*		*70 - 130*	*12/01/21 16:23*	*12/02/21 17:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8690**		50.0		mg/Kg			12/04/21 22:46	10

Client Sample ID: S-3 (1-1.5')

Lab Sample ID: 880-8635-6
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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		11/24/21 10:16	11/29/21 19:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/24/21 10:16	11/29/21 19:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/24/21 10:16	11/29/21 19:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/24/21 10:16	11/29/21 19:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/24/21 10:16	11/29/21 19:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/24/21 10:16	11/29/21 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*168*	*S1+*	*70 - 130*	*11/24/21 10:16*	*11/29/21 19:29*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*11/24/21 10:16*	*11/29/21 19:29*	*1*

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

Client Sample ID: S-3 (1-1.5')

Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

Lab Sample ID: 880-8635-6
Matrix: Solid

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			12/02/21 16:29	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			12/01/21 20:09	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		12/01/21 16:23	12/02/21 17:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/01/21 16:23	12/02/21 17:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/01/21 16:23	12/02/21 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*12/01/21 16:23*	*12/02/21 17:47*	*1*
o-Terphenyl	*117*		*70 - 130*	*12/01/21 16:23*	*12/02/21 17:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4110**		24.8		mg/Kg			12/05/21 18:51	5

Client Sample ID: S-4 (0-1')

Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

Lab Sample ID: 880-8635-7
Matrix: Solid

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		11/24/21 10:16	11/29/21 19:55	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/24/21 10:16	11/29/21 19:55	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/24/21 10:16	11/29/21 19:55	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/24/21 10:16	11/29/21 19:55	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/24/21 10:16	11/29/21 19:55	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/24/21 10:16	11/29/21 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*11/24/21 10:16*	*11/29/21 19:55*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*11/24/21 10:16*	*11/29/21 19:55*	*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			12/02/21 16:29	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			12/01/21 20:09	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		12/01/21 16:23	12/02/21 18:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/01/21 16:23	12/02/21 18:08	1

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Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-8635-7
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/21 16:23	12/02/21 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*12/01/21 16:23*	*12/02/21 18:08*	*1*
o-Terphenyl	*116*		*70 - 130*	*12/01/21 16:23*	*12/02/21 18:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**684**		5.04		mg/Kg			12/04/21 23:20	1

Client Sample ID: S-4 (1-1.5')

Lab Sample ID: 880-8635-8
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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		11/24/21 10:16	11/29/21 20:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:16	11/29/21 20:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:16	11/29/21 20:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/24/21 10:16	11/29/21 20:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:16	11/29/21 20:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/24/21 10:16	11/29/21 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*	*11/24/21 10:16*	*11/29/21 20:21*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*11/24/21 10:16*	*11/29/21 20:21*	*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			12/02/21 16:29	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			12/01/21 20:09	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		12/01/21 16:23	12/02/21 18:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/01/21 16:23	12/02/21 18:29	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/21 16:23	12/02/21 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*12/01/21 16:23*	*12/02/21 18:29*	*1*
o-Terphenyl	*109*		*70 - 130*	*12/01/21 16:23*	*12/02/21 18:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**275**		4.98		mg/Kg			12/04/21 23:28	1

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-8635-9
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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		11/24/21 10:16	11/29/21 20:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/24/21 10:16	11/29/21 20:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/24/21 10:16	11/29/21 20:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/24/21 10:16	11/29/21 20:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/24/21 10:16	11/29/21 20:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/24/21 10:16	11/29/21 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*11/24/21 10:16*	*11/29/21 20:47*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*11/24/21 10:16*	*11/29/21 20:47*	*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			12/02/21 16:29	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			12/01/21 20:09	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		12/01/21 16:23	12/02/21 18:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/21 16:23	12/02/21 18:51	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/21 16:23	12/02/21 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*12/01/21 16:23*	*12/02/21 18:51*	*1*
o-Terphenyl	*115*		*70 - 130*	*12/01/21 16:23*	*12/02/21 18:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6380**		49.5		mg/Kg			12/04/21 23:53	10

Client Sample ID: S-5 (1-1.5')

Lab Sample ID: 880-8635-10
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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		11/24/21 10:16	11/29/21 21:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:16	11/29/21 21:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:16	11/29/21 21:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/24/21 10:16	11/29/21 21:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:16	11/29/21 21:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/24/21 10:16	11/29/21 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*11/24/21 10:16*	*11/29/21 21:13*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*11/24/21 10:16*	*11/29/21 21:13*	*1*

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

Client Sample ID: S-5 (1-1.5')

Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

Lab Sample ID: 880-8635-10

Matrix: Solid

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			12/02/21 16:29	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			12/01/21 20:09	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		12/01/21 16:23	12/02/21 19:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/21 16:23	12/02/21 19:12	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/21 16:23	12/02/21 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*12/01/21 16:23*	*12/02/21 19:12*	*1*
o-Terphenyl	*116*		*70 - 130*	*12/01/21 16:23*	*12/02/21 19:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4870**		25.1		mg/Kg			12/05/21 00:02	5

Surrogate Summary

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, 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)										
880-8635-1	S-1 (0-1')	140 S1+	109										
880-8635-2	S-1 (1-1.5')	144 S1+	112										
880-8635-3	S-2 (0-1')	134 S1+	109										
880-8635-4	S-2 (1-1.5')	118	101										
880-8635-5	S-3 (0-1')	120	104										
880-8635-6	S-3 (1-1.5')	168 S1+	100										
880-8635-7	S-4 (0-1')	115	72										
880-8635-8	S-4 (1-1.5')	147 S1+	115										
880-8635-9	S-5 (0-1')	141 S1+	112										
880-8635-10	S-5 (1-1.5')	144 S1+	114										
880-8671-A-1-E MS	Matrix Spike	110	101										
880-8671-A-1-F MSD	Matrix Spike Duplicate	104	96										
890-1631-A-21-A MS	Matrix Spike	137 S1+	120										
890-1631-A-21-B MSD	Matrix Spike Duplicate	122	112										
LCS 880-13161/1-A	Lab Control Sample	124	73										
LCS 880-13343/1-A	Lab Control Sample	108	99										
LCSD 880-13161/2-A	Lab Control Sample Dup	134 S1+	116										
LCSD 880-13343/2-A	Lab Control Sample Dup	115	100										
MB 880-13161/5-A	Method Blank	77	79										
MB 880-13339/5-A	Method Blank	122	107										
MB 880-13343/5-A	Method Blank	120	98										

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)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
880-8635-1	S-1 (0-1')	111	111										
880-8635-2	S-1 (1-1.5')	104	106										
880-8635-3	S-2 (0-1')	108	109										
880-8635-4	S-2 (1-1.5')	110	111										
880-8635-5	S-3 (0-1')	108	109										
880-8635-6	S-3 (1-1.5')	114	117										
880-8635-7	S-4 (0-1')	112	116										
880-8635-8	S-4 (1-1.5')	106	109										
880-8635-9	S-5 (0-1')	115	115										
880-8635-10	S-5 (1-1.5')	115	116										
890-1655-A-1-H MS	Matrix Spike	122	114										
890-1655-A-1-I MSD	Matrix Spike Duplicate	104	95										
LCS 880-13684/2-A	Lab Control Sample	103	96										
LCSD 880-13684/3-A	Lab Control Sample Dup	103	95										
MB 880-13684/1-A	Method Blank	108	112										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-13161/5-A
Matrix: Solid
Analysis Batch: 13293

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13161

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:16	11/29/21 12:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:16	11/29/21 12:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:16	11/29/21 12:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/24/21 10:16	11/29/21 12:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:16	11/29/21 12:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/24/21 10:16	11/29/21 12:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*11/24/21 10:16*	*11/29/21 12:26*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*11/24/21 10:16*	*11/29/21 12:26*	*1*

Lab Sample ID: LCS 880-13161/1-A
Matrix: Solid
Analysis Batch: 13293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 13161

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08839		mg/Kg		88	70 - 130
Toluene	0.100	0.09719		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1011		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2239		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1073		mg/Kg		107	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*

Lab Sample ID: LCSD 880-13161/2-A
Matrix: Solid
Analysis Batch: 13293

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 13161

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1007		mg/Kg		101	70 - 130	13	35
Toluene	0.100	0.1097		mg/Kg		110	70 - 130	12	35
Ethylbenzene	0.100	0.08493		mg/Kg		85	70 - 130	17	35
m-Xylene & p-Xylene	0.200	0.2350		mg/Kg		118	70 - 130	5	35
o-Xylene	0.100	0.1130		mg/Kg		113	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

Lab Sample ID: 890-1631-A-21-B MSD
Matrix: Solid
Analysis Batch: 13293

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 13161

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0998	0.08962		mg/Kg					
Toluene	<0.00200	U	0.0998	0.09842		mg/Kg					

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QC Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

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

Lab Sample ID: 890-1631-A-21-B MSD
Matrix: Solid
Analysis Batch: 13293

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 13161

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	<0.00200	U	0.0998	0.09973		mg/Kg					
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2203		mg/Kg					
o-Xylene	<0.00200	U	0.0998	0.1058		mg/Kg					

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: 890-1631-A-21-A MS
Matrix: Solid
Analysis Batch: 13293

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

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*

Lab Sample ID: MB 880-13339/5-A
Matrix: Solid
Analysis Batch: 13426

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13339

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/30/21 09:00	11/30/21 12:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/30/21 09:00	11/30/21 12:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/30/21 09:00	11/30/21 12:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/30/21 09:00	11/30/21 12:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/30/21 09:00	11/30/21 12:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/30/21 09:00	11/30/21 12:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*11/30/21 09:00*	*11/30/21 12:28*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*11/30/21 09:00*	*11/30/21 12:28*	*1*

Lab Sample ID: MB 880-13343/5-A
Matrix: Solid
Analysis Batch: 13426

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13343

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/30/21 08:45	12/01/21 00:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/30/21 08:45	12/01/21 00:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/30/21 08:45	12/01/21 00:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/30/21 08:45	12/01/21 00:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/30/21 08:45	12/01/21 00:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/30/21 08:45	12/01/21 00:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*11/30/21 08:45*	*12/01/21 00:02*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/30/21 08:45*	*12/01/21 00:02*	*1*

QC Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-13343/1-A
Matrix: Solid
Analysis Batch: 13426

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 13343

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09692		mg/Kg		97	70 - 130		
Toluene			0.100	0.09859		mg/Kg		99	70 - 130		
Ethylbenzene			0.100	0.09649		mg/Kg		96	70 - 130		
m-Xylene & p-Xylene			0.200	0.1910		mg/Kg		96	70 - 130		
o-Xylene			0.100	0.09260		mg/Kg		93	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-13343/2-A
Matrix: Solid
Analysis Batch: 13426

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 13343

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09954		mg/Kg		100	70 - 130	3	35
Toluene			0.100	0.09899		mg/Kg		99	70 - 130	0	35
Ethylbenzene			0.100	0.09348		mg/Kg		93	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1853		mg/Kg		93	70 - 130	3	35
o-Xylene			0.100	0.09161		mg/Kg		92	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-8671-A-1-E MS
Matrix: Solid
Analysis Batch: 13426

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 13343

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	0.00699		0.100	0.09584		mg/Kg		88	70 - 130		
Toluene	0.00793		0.100	0.09453		mg/Kg		86	70 - 130		
Ethylbenzene	0.303	F1	0.100	0.09641	F1	mg/Kg		-206	70 - 130		
m-Xylene & p-Xylene	0.449	F1	0.201	0.1930	F1	mg/Kg		-128	70 - 130		
o-Xylene	0.264	F1	0.100	0.09283	F1	mg/Kg		-170	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-8671-A-1-F MSD
Matrix: Solid
Analysis Batch: 13426

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 13343

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.00699		0.0990	0.08636		mg/Kg		80	70 - 130	10	35
Toluene	0.00793		0.0990	0.09083		mg/Kg		84	70 - 130	4	35
Ethylbenzene	0.303	F1	0.0990	0.09064	F1	mg/Kg		-214	70 - 130	6	35

QC Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8671-A-1-F MSD
Matrix: Solid
Analysis Batch: 13426

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 13343

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene	0.449	F1	0.198	0.1786	F1	mg/Kg		-137	70 - 130	8	35
o-Xylene	0.264	F1	0.0990	0.08652	F1	mg/Kg		-179	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

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

Lab Sample ID: MB 880-13684/1-A
Matrix: Solid
Analysis Batch: 13719

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13684

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		12/01/21 16:23	12/02/21 10:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/21 16:23	12/02/21 10:17	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/21 16:23	12/02/21 10:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*12/01/21 16:23*	*12/02/21 10:17*	*1*
o-Terphenyl	*112*		*70 - 130*	*12/01/21 16:23*	*12/02/21 10:17*	*1*

Lab Sample ID: LCS 880-13684/2-A
Matrix: Solid
Analysis Batch: 13719

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 13684

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1052		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1060		mg/Kg		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*96*		*70 - 130*

Lab Sample ID: LCSD 880-13684/3-A
Matrix: Solid
Analysis Batch: 13719

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 13684

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1042		mg/Kg		104	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1055		mg/Kg		105	70 - 130	0	20

QC Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-13684/3-A
Matrix: Solid
Analysis Batch: 13719

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 13684

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: 890-1655-A-1-H MS
Matrix: Solid
Analysis Batch: 13719

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 13684

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	997	1394	F1	mg/Kg		135	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1248		mg/Kg		123	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	122		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: 890-1655-A-1-I MSD
Matrix: Solid
Analysis Batch: 13719

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 13684

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	<49.9	U F1	999	1287		mg/Kg		124	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1075		mg/Kg		106	70 - 130	15	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	95		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-13321/1-A
Matrix: Solid
Analysis Batch: 13925

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			12/04/21 20:32	1

Lab Sample ID: LCS 880-13321/2-A
Matrix: Solid
Analysis Batch: 13925

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	265.8		mg/Kg		106	90 - 110

QC Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-13321/3-A
Matrix: Solid
Analysis Batch: 13925

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	265.9		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-8635-6 MS
Matrix: Solid
Analysis Batch: 13925

Client Sample ID: S-3 (1-1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	4110		1240	5308		mg/Kg		96	90 - 110

Lab Sample ID: 880-8635-6 MSD
Matrix: Solid
Analysis Batch: 13925

Client Sample ID: S-3 (1-1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4110		1240	5295		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 13161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8635-1	S-1 (0-1')	Total/NA	Solid	5035	
880-8635-2	S-1 (1-1.5')	Total/NA	Solid	5035	
880-8635-3	S-2 (0-1')	Total/NA	Solid	5035	
880-8635-6	S-3 (1-1.5')	Total/NA	Solid	5035	
880-8635-7	S-4 (0-1')	Total/NA	Solid	5035	
880-8635-8	S-4 (1-1.5')	Total/NA	Solid	5035	
880-8635-9	S-5 (0-1')	Total/NA	Solid	5035	
880-8635-10	S-5 (1-1.5')	Total/NA	Solid	5035	
MB 880-13161/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13161/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13161/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1631-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 13293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8635-1	S-1 (0-1')	Total/NA	Solid	8021B	13161
880-8635-2	S-1 (1-1.5')	Total/NA	Solid	8021B	13161
880-8635-3	S-2 (0-1')	Total/NA	Solid	8021B	13161
880-8635-6	S-3 (1-1.5')	Total/NA	Solid	8021B	13161
880-8635-7	S-4 (0-1')	Total/NA	Solid	8021B	13161
880-8635-8	S-4 (1-1.5')	Total/NA	Solid	8021B	13161
880-8635-9	S-5 (0-1')	Total/NA	Solid	8021B	13161
880-8635-10	S-5 (1-1.5')	Total/NA	Solid	8021B	13161
MB 880-13161/5-A	Method Blank	Total/NA	Solid	8021B	13161
LCS 880-13161/1-A	Lab Control Sample	Total/NA	Solid	8021B	13161
LCSD 880-13161/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13161
890-1631-A-21-A MS	Matrix Spike	Total/NA	Solid	8021B	
890-1631-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	13161

Prep Batch: 13339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-13339/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 13343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8635-4	S-2 (1-1.5')	Total/NA	Solid	5035	
880-8635-5	S-3 (0-1')	Total/NA	Solid	5035	
MB 880-13343/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13343/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13343/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-8671-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-8671-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 13426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8635-4	S-2 (1-1.5')	Total/NA	Solid	8021B	13343
880-8635-5	S-3 (0-1')	Total/NA	Solid	8021B	13343
MB 880-13339/5-A	Method Blank	Total/NA	Solid	8021B	13339
MB 880-13343/5-A	Method Blank	Total/NA	Solid	8021B	13343
LCS 880-13343/1-A	Lab Control Sample	Total/NA	Solid	8021B	13343
LCSD 880-13343/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13343

QC Association Summary

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 13426 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8671-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	13343
880-8671-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	13343

Analysis Batch: 13794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8635-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-8635-2	S-1 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8635-3	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-8635-4	S-2 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8635-5	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-8635-6	S-3 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8635-7	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-8635-8	S-4 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8635-9	S-5 (0-1')	Total/NA	Solid	Total BTEX	
880-8635-10	S-5 (1-1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 13684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8635-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-8635-2	S-1 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8635-3	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-8635-4	S-2 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8635-5	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-8635-6	S-3 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8635-7	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-8635-8	S-4 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8635-9	S-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-8635-10	S-5 (1-1.5')	Total/NA	Solid	8015NM Prep	
MB 880-13684/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-13684/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-13684/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1655-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1655-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 13711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8635-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-8635-2	S-1 (1-1.5')	Total/NA	Solid	8015 NM	
880-8635-3	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-8635-4	S-2 (1-1.5')	Total/NA	Solid	8015 NM	
880-8635-5	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-8635-6	S-3 (1-1.5')	Total/NA	Solid	8015 NM	
880-8635-7	S-4 (0-1')	Total/NA	Solid	8015 NM	
880-8635-8	S-4 (1-1.5')	Total/NA	Solid	8015 NM	
880-8635-9	S-5 (0-1')	Total/NA	Solid	8015 NM	
880-8635-10	S-5 (1-1.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

GC Semi VOA

Analysis Batch: 13719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8635-1	S-1 (0-1')	Total/NA	Solid	8015B NM	13684
880-8635-2	S-1 (1-1.5')	Total/NA	Solid	8015B NM	13684
880-8635-3	S-2 (0-1')	Total/NA	Solid	8015B NM	13684
880-8635-4	S-2 (1-1.5')	Total/NA	Solid	8015B NM	13684
880-8635-5	S-3 (0-1')	Total/NA	Solid	8015B NM	13684
880-8635-6	S-3 (1-1.5')	Total/NA	Solid	8015B NM	13684
880-8635-7	S-4 (0-1')	Total/NA	Solid	8015B NM	13684
880-8635-8	S-4 (1-1.5')	Total/NA	Solid	8015B NM	13684
880-8635-9	S-5 (0-1')	Total/NA	Solid	8015B NM	13684
880-8635-10	S-5 (1-1.5')	Total/NA	Solid	8015B NM	13684
MB 880-13684/1-A	Method Blank	Total/NA	Solid	8015B NM	13684
LCS 880-13684/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	13684
LCSD 880-13684/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	13684
890-1655-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	13684
890-1655-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	13684

HPLC/IC

Leach Batch: 13321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8635-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-8635-2	S-1 (1-1.5')	Soluble	Solid	DI Leach	
880-8635-3	S-2 (0-1')	Soluble	Solid	DI Leach	
880-8635-4	S-2 (1-1.5')	Soluble	Solid	DI Leach	
880-8635-5	S-3 (0-1')	Soluble	Solid	DI Leach	
880-8635-6	S-3 (1-1.5')	Soluble	Solid	DI Leach	
880-8635-7	S-4 (0-1')	Soluble	Solid	DI Leach	
880-8635-8	S-4 (1-1.5')	Soluble	Solid	DI Leach	
880-8635-9	S-5 (0-1')	Soluble	Solid	DI Leach	
880-8635-10	S-5 (1-1.5')	Soluble	Solid	DI Leach	
MB 880-13321/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-13321/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-13321/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-8635-6 MS	S-3 (1-1.5')	Soluble	Solid	DI Leach	
880-8635-6 MSD	S-3 (1-1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 13925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8635-1	S-1 (0-1')	Soluble	Solid	300.0	13321
880-8635-2	S-1 (1-1.5')	Soluble	Solid	300.0	13321
880-8635-3	S-2 (0-1')	Soluble	Solid	300.0	13321
880-8635-4	S-2 (1-1.5')	Soluble	Solid	300.0	13321
880-8635-5	S-3 (0-1')	Soluble	Solid	300.0	13321
880-8635-6	S-3 (1-1.5')	Soluble	Solid	300.0	13321
880-8635-7	S-4 (0-1')	Soluble	Solid	300.0	13321
880-8635-8	S-4 (1-1.5')	Soluble	Solid	300.0	13321
880-8635-9	S-5 (0-1')	Soluble	Solid	300.0	13321
880-8635-10	S-5 (1-1.5')	Soluble	Solid	300.0	13321
MB 880-13321/1-A	Method Blank	Soluble	Solid	300.0	13321
LCS 880-13321/2-A	Lab Control Sample	Soluble	Solid	300.0	13321
LCSD 880-13321/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	13321

QC Association Summary

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 13925 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8635-6 MS	S-3 (1-1.5')	Soluble	Solid	300.0	13321
880-8635-6 MSD	S-3 (1-1.5')	Soluble	Solid	300.0	13321

Lab Chronicle

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

Client Sample ID: S-1 (0-1')

Lab Sample ID: 880-8635-1
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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	13161	11/24/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13293	11/29/21 15:59	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13794	12/02/21 16:29	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13711	12/01/21 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13684	12/01/21 16:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13719	12/02/21 15:59	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	13321	11/29/21 10:41	CA	XEN MID
Soluble	Analysis	300.0		10			13925	12/04/21 22:13	CH	XEN MID

Client Sample ID: S-1 (1-1.5')

Lab Sample ID: 880-8635-2
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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	13161	11/24/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13293	11/29/21 16:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13794	12/02/21 16:29	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13711	12/01/21 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13684	12/01/21 16:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13719	12/02/21 16:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	13321	11/29/21 10:41	CA	XEN MID
Soluble	Analysis	300.0		10			13925	12/04/21 22:21	CH	XEN MID

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-8635-3
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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	13161	11/24/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13293	11/29/21 16:52	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13794	12/02/21 16:29	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13711	12/01/21 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13684	12/01/21 16:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13719	12/02/21 16:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	13321	11/29/21 10:41	CA	XEN MID
Soluble	Analysis	300.0		20			13925	12/04/21 22:29	CH	XEN MID

Client Sample ID: S-2 (1-1.5')

Lab Sample ID: 880-8635-4
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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	13343	11/30/21 08:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13426	12/01/21 03:14	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13794	12/02/21 16:29	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

Client Sample ID: S-2 (1-1.5')

Lab Sample ID: 880-8635-4
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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			13711	12/01/21 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13684	12/01/21 16:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13719	12/02/21 17:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	13321	11/29/21 10:41	CA	XEN MID
Soluble	Analysis	300.0		10			13925	12/04/21 22:38	CH	XEN MID

Client Sample ID: S-3 (0-1')

Lab Sample ID: 880-8635-5
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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	13343	11/30/21 08:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13426	12/01/21 03:35	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13794	12/02/21 16:29	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13711	12/01/21 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13684	12/01/21 16:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13719	12/02/21 17:25	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	13321	11/29/21 10:41	CA	XEN MID
Soluble	Analysis	300.0		10			13925	12/04/21 22:46	CH	XEN MID

Client Sample ID: S-3 (1-1.5')

Lab Sample ID: 880-8635-6
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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	13161	11/24/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13293	11/29/21 19:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13794	12/02/21 16:29	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13711	12/01/21 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13684	12/01/21 16:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13719	12/02/21 17:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	13321	11/29/21 10:41	CA	XEN MID
Soluble	Analysis	300.0		5			13925	12/05/21 18:51	CH	XEN MID

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-8635-7
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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	13161	11/24/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13293	11/29/21 19:55	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13794	12/02/21 16:29	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13711	12/01/21 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13684	12/01/21 16:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13719	12/02/21 18:08	AJ	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-8635-7
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	13321	11/29/21 10:41	CA	XEN MID
Soluble	Analysis	300.0		1			13925	12/04/21 23:20	CH	XEN MID

Client Sample ID: S-4 (1-1.5')

Lab Sample ID: 880-8635-8
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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	13161	11/24/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13293	11/29/21 20:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13794	12/02/21 16:29	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13711	12/01/21 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13684	12/01/21 16:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13719	12/02/21 18:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	13321	11/29/21 10:41	CA	XEN MID
Soluble	Analysis	300.0		1			13925	12/04/21 23:28	CH	XEN MID

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-8635-9
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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	13161	11/24/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13293	11/29/21 20:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13794	12/02/21 16:29	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13711	12/01/21 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13684	12/01/21 16:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13719	12/02/21 18:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	13321	11/29/21 10:41	CA	XEN MID
Soluble	Analysis	300.0		10			13925	12/04/21 23:53	CH	XEN MID

Client Sample ID: S-5 (1-1.5')

Lab Sample ID: 880-8635-10
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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	13161	11/24/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13293	11/29/21 21:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13794	12/02/21 16:29	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13711	12/01/21 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13684	12/01/21 16:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13719	12/02/21 19:12	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	13321	11/29/21 10:41	CA	XEN MID
Soluble	Analysis	300.0		5			13925	12/05/21 00:02	CH	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

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: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, 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: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, 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: Vaca Draw Booster

Job ID: 880-8635-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-8635-1	S-1 (0-1')	Solid	11/22/21 00:00	11/23/21 11:46
880-8635-2	S-1 (1-1.5')	Solid	11/22/21 00:00	11/23/21 11:46
880-8635-3	S-2 (0-1')	Solid	11/22/21 00:00	11/23/21 11:46
880-8635-4	S-2 (1-1.5')	Solid	11/22/21 00:00	11/23/21 11:46
880-8635-5	S-3 (0-1')	Solid	11/22/21 00:00	11/23/21 11:46
880-8635-6	S-3 (1-1.5')	Solid	11/22/21 00:00	11/23/21 11:46
880-8635-7	S-4 (0-1')	Solid	11/22/21 00:00	11/23/21 11:46
880-8635-8	S-4 (1-1.5')	Solid	11/22/21 00:00	11/23/21 11:46
880-8635-9	S-5 (0-1')	Solid	11/22/21 00:00	11/23/21 11:46
880-8635-10	S-5 (1-1.5')	Solid	11/22/21 00:00	11/23/21 11:46

Chain of Custody

NTG ENVIRONMENTAL

880-8635 Chain of Custody

12/6/2021

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 ☐ uperfund ☐

State of Project:

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

Deliverables. EDD ☐ ADaPT ☐ Other

Project Name	Vaca Draw Booster (11 14 21)	Turn Around	
Project Number	214924	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date	
Sampler's Name:	NH/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	IR8
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	.10
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	19
Total Containers.		Corrected Temperature.	2.0

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
S-1 (0-1')	11/22/2021	-	X	-	G	1		X	X	X		
S-1 (1-1 5')	11/22/2021	-	X	-	G	1		X	X	X		
S-2 (0-1')	11/22/2021	-	X	-	G	1		X	X	X		
S-2 (1-1 5')	11/22/2021	-	X	-	G	1		X	X	X		
S-3 (0-1')	11/22/2021	-	X	-	G	1		X	X	X		
S-3 (1-1 5')	11/22/2021	-	X	-	G	1		X	X	X		
S-4 (0-1')	11/22/2021	-	X	-	G	1		X	X	X		
S-4 (1-1 5')	11/22/2021	-	X	-	G	1		X	X	X		
S-5 (0-1')	11/22/2021	-	X	-	G	1		X	X	X		
S-5 (1-1 5')	11/22/2021	-	X	-	G	1		X	X	X		

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 N'Cal Hart	[signature] R	11/23/21 1146	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-8635-1
SDG Number: Lea Co, NM

Login Number: 8635
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Xenco, Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	

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ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-8624-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Vaca Draw Booster (11.14.21)

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

JKRAMER

Authorized for release by:
12/3/2021 3:09:04 PM

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

Client: NT Global
Project/Site: Vaca Draw Booster (11.14.21)

Laboratory Job ID: 880-8624-1
SDG: Lea Co, NM

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, NM

Job ID: 880-8624-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-8624-1

Receipt
The samples were received on 11/23/2021 11:46 AM. 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 2.0°C

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-7 (0-0.5') (880-8624-7), H-8 (0-0.5') (880-8624-8) and (890-1636-A-1-F). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-13637 and analytical batch 880-13588 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 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-1 (0-0.5') (880-8624-1) and H-2 (0-0.5') (880-8624-2). Evidence of matrix interferences is not obvious.

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

HPLC/IC
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: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, NM

Client Sample ID: H-1 (0-0.5')

Lab Sample ID: 880-8624-1
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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		11/30/21 08:45	12/01/21 06:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/30/21 08:45	12/01/21 06:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/30/21 08:45	12/01/21 06:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/30/21 08:45	12/01/21 06:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/30/21 08:45	12/01/21 06:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/30/21 08:45	12/01/21 06:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*11/30/21 08:45*	*12/01/21 06:05*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*11/30/21 08:45*	*12/01/21 06:05*	*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			12/02/21 16:29	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			12/01/21 20:09	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		12/01/21 10:13	12/01/21 19:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/21 10:13	12/01/21 19:16	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/21 10:13	12/01/21 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*12/01/21 10:13*	*12/01/21 19:16*	*1*
o-Terphenyl	*64*	*S1-*	*70 - 130*	*12/01/21 10:13*	*12/01/21 19:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.90**		5.00		mg/Kg			11/30/21 23:09	1

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-8624-2
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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		11/30/21 08:45	12/01/21 06:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/30/21 08:45	12/01/21 06:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/30/21 08:45	12/01/21 06:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/30/21 08:45	12/01/21 06:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/30/21 08:45	12/01/21 06:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/30/21 08:45	12/01/21 06:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*11/30/21 08:45*	*12/01/21 06:26*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/30/21 08:45*	*12/01/21 06:26*	*1*

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, NM

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-8624-2
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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			12/02/21 16:29	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			12/01/21 20:09	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		12/01/21 10:13	12/01/21 19:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/01/21 10:13	12/01/21 19:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/01/21 10:13	12/01/21 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*12/01/21 10:13*	*12/01/21 19:37*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*12/01/21 10:13*	*12/01/21 19:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.55**		5.00		mg/Kg			11/30/21 23:43	1

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-8624-3
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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		11/30/21 08:45	12/01/21 06:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/30/21 08:45	12/01/21 06:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/30/21 08:45	12/01/21 06:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/30/21 08:45	12/01/21 06:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/30/21 08:45	12/01/21 06:46	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/30/21 08:45	12/01/21 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*11/30/21 08:45*	*12/01/21 06:46*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/30/21 08:45*	*12/01/21 06:46*	*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			12/02/21 16:29	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			12/01/21 20:09	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		12/01/21 10:13	12/01/21 19:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/01/21 10:13	12/01/21 19:58	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, NM

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-8624-3
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/21 10:13	12/01/21 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*12/01/21 10:13*	*12/01/21 19:58*	*1*
o-Terphenyl	*108*		*70 - 130*	*12/01/21 10:13*	*12/01/21 19:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.89**		4.96		mg/Kg			11/30/21 23:55	1

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-8624-4
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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		11/30/21 08:45	12/01/21 07:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/30/21 08:45	12/01/21 07:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/30/21 08:45	12/01/21 07:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/30/21 08:45	12/01/21 07:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/30/21 08:45	12/01/21 07:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/30/21 08:45	12/01/21 07:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*11/30/21 08:45*	*12/01/21 07:07*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/30/21 08:45*	*12/01/21 07:07*	*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			12/02/21 16:29	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			12/01/21 20:09	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		12/01/21 08:20	12/01/21 19:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/01/21 08:20	12/01/21 19:11	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/21 08:20	12/01/21 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*12/01/21 08:20*	*12/01/21 19:11*	*1*
o-Terphenyl	*77*		*70 - 130*	*12/01/21 08:20*	*12/01/21 19:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**53.4**		4.95		mg/Kg			12/01/21 00:06	1

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, NM

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-8624-5
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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		11/30/21 08:45	12/01/21 07:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/30/21 08:45	12/01/21 07:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/30/21 08:45	12/01/21 07:27	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/30/21 08:45	12/01/21 07:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/30/21 08:45	12/01/21 07:27	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/30/21 08:45	12/01/21 07:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*11/30/21 08:45*	*12/01/21 07:27*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*11/30/21 08:45*	*12/01/21 07:27*	*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			12/02/21 16:29	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			12/01/21 20:09	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		12/01/21 08:20	12/01/21 19:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/01/21 08:20	12/01/21 19:32	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/21 08:20	12/01/21 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*12/01/21 08:20*	*12/01/21 19:32*	*1*
o-Terphenyl	*70*		*70 - 130*	*12/01/21 08:20*	*12/01/21 19:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**81.4**		5.04		mg/Kg			12/01/21 00:17	1

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-8624-6
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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		11/30/21 08:45	12/01/21 07:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/30/21 08:45	12/01/21 07:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/30/21 08:45	12/01/21 07:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/30/21 08:45	12/01/21 07:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/30/21 08:45	12/01/21 07:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/30/21 08:45	12/01/21 07:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*11/30/21 08:45*	*12/01/21 07:48*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/30/21 08:45*	*12/01/21 07:48*	*1*

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, NM

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-8624-6
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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			12/02/21 16:29	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			12/01/21 20:09	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		12/01/21 08:20	12/01/21 19:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/21 08:20	12/01/21 19:52	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/21 08:20	12/01/21 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*12/01/21 08:20*	*12/01/21 19:52*	*1*
o-Terphenyl	*76*		*70 - 130*	*12/01/21 08:20*	*12/01/21 19:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.6**		4.98		mg/Kg			12/01/21 00:29	1

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-8624-7
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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		11/30/21 08:45	12/01/21 08:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/30/21 08:45	12/01/21 08:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/30/21 08:45	12/01/21 08:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/30/21 08:45	12/01/21 08:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/30/21 08:45	12/01/21 08:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/30/21 08:45	12/01/21 08:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*11/30/21 08:45*	*12/01/21 08:08*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*11/30/21 08:45*	*12/01/21 08:08*	*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			12/02/21 16:29	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			12/01/21 20:09	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		12/01/21 08:20	12/01/21 20:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/21 08:20	12/01/21 20:12	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, NM

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-8624-7
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/21 08:20	12/01/21 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*12/01/21 08:20*	*12/01/21 20:12*	*1*
o-Terphenyl	*68*	*S1-*	*70 - 130*	*12/01/21 08:20*	*12/01/21 20:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.04**		5.00		mg/Kg			12/01/21 00:40	1

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-8624-8
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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		11/30/21 08:45	12/01/21 08:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/30/21 08:45	12/01/21 08:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/30/21 08:45	12/01/21 08:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/30/21 08:45	12/01/21 08:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/30/21 08:45	12/01/21 08:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/30/21 08:45	12/01/21 08:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*11/30/21 08:45*	*12/01/21 08:28*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/30/21 08:45*	*12/01/21 08:28*	*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			12/02/21 16:29	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			12/01/21 20:09	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		12/01/21 08:20	12/01/21 20:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/01/21 08:20	12/01/21 20:32	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/01/21 08:20	12/01/21 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*12/01/21 08:20*	*12/01/21 20:32*	*1*
o-Terphenyl	*70*		*70 - 130*	*12/01/21 08:20*	*12/01/21 20:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.9**		4.95		mg/Kg			12/01/21 00:52	1

Surrogate Summary

Client: NT Global
Project/Site: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
880-8624-1	H-1 (0-0.5')	126	107
880-8624-2	H-2 (0-0.5')	117	98
880-8624-3	H-3 (0-0.5')	110	102
880-8624-4	H-4 (0-0.5')	117	99
880-8624-5	H-5 (0-0.5')	125	92
880-8624-6	H-6 (0-0.5')	122	98
880-8624-7	H-7 (0-0.5')	121	103
880-8624-8	H-8 (0-0.5')	120	98
880-8671-A-1-E MS	Matrix Spike	110	101
880-8671-A-1-F MSD	Matrix Spike Duplicate	104	96
LCS 880-13343/1-A	Lab Control Sample	108	99
LCSD 880-13343/2-A	Lab Control Sample Dup	115	100
MB 880-13339/5-A	Method Blank	122	107
MB 880-13343/5-A	Method Blank	120	98

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**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
880-8623-A-21-L MS	Matrix Spike	109	84
880-8623-A-21-M MSD	Matrix Spike Duplicate	88	74
880-8624-1	H-1 (0-0.5')	70	64 S1-
880-8624-2	H-2 (0-0.5')	68 S1-	67 S1-
880-8624-3	H-3 (0-0.5')	109	108
880-8624-4	H-4 (0-0.5')	74	77
880-8624-5	H-5 (0-0.5')	70	70
880-8624-6	H-6 (0-0.5')	76	76
880-8624-7	H-7 (0-0.5')	68 S1-	68 S1-
880-8624-8	H-8 (0-0.5')	69 S1-	70
890-1636-A-1-G MS	Matrix Spike	73	66 S1-
890-1636-A-1-H MSD	Matrix Spike Duplicate	71	66 S1-
LCS 880-13590/2-A	Lab Control Sample	97	96
LCS 880-13637/2-A	Lab Control Sample	80	76
LCSD 880-13590/3-A	Lab Control Sample Dup	97	96
LCSD 880-13637/3-A	Lab Control Sample Dup	82	79
MB 880-13590/1-A	Method Blank	73	76
MB 880-13637/1-A	Method Blank	82	89

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-13339/5-A
Matrix: Solid
Analysis Batch: 13426

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13339

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/30/21 09:00	11/30/21 12:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/30/21 09:00	11/30/21 12:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/30/21 09:00	11/30/21 12:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/30/21 09:00	11/30/21 12:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/30/21 09:00	11/30/21 12:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/30/21 09:00	11/30/21 12:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*11/30/21 09:00*	*11/30/21 12:28*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*11/30/21 09:00*	*11/30/21 12:28*	*1*

Lab Sample ID: MB 880-13343/5-A
Matrix: Solid
Analysis Batch: 13426

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13343

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/30/21 08:45	12/01/21 00:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/30/21 08:45	12/01/21 00:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/30/21 08:45	12/01/21 00:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/30/21 08:45	12/01/21 00:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/30/21 08:45	12/01/21 00:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/30/21 08:45	12/01/21 00:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*11/30/21 08:45*	*12/01/21 00:02*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/30/21 08:45*	*12/01/21 00:02*	*1*

Lab Sample ID: LCS 880-13343/1-A
Matrix: Solid
Analysis Batch: 13426

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 13343

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09692		mg/Kg		97	70 - 130
Toluene	0.100	0.09859		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.09649		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1910		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09260		mg/Kg		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-13343/2-A
Matrix: Solid
Analysis Batch: 13426

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 13343

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09954		mg/Kg		100	70 - 130	3	35

QC Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-13343/2-A
Matrix: Solid
Analysis Batch: 13426

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 13343

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			0.100	0.09899		mg/Kg		99	70 - 130	0	35
Ethylbenzene			0.100	0.09348		mg/Kg		93	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1853		mg/Kg		93	70 - 130	3	35
o-Xylene			0.100	0.09161		mg/Kg		92	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-8671-A-1-E MS
Matrix: Solid
Analysis Batch: 13426

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 13343

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.00699		0.100	0.09584		mg/Kg		88	70 - 130
Toluene	0.00793		0.100	0.09453		mg/Kg		86	70 - 130
Ethylbenzene	0.303	F1	0.100	0.09641	F1	mg/Kg		-206	70 - 130
m-Xylene & p-Xylene	0.449	F1	0.201	0.1930	F1	mg/Kg		-128	70 - 130
o-Xylene	0.264	F1	0.100	0.09283	F1	mg/Kg		-170	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-8671-A-1-F MSD
Matrix: Solid
Analysis Batch: 13426

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 13343

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.00699		0.0990	0.08636		mg/Kg		80	70 - 130	10	35
Toluene	0.00793		0.0990	0.09083		mg/Kg		84	70 - 130	4	35
Ethylbenzene	0.303	F1	0.0990	0.09064	F1	mg/Kg		-214	70 - 130	6	35
m-Xylene & p-Xylene	0.449	F1	0.198	0.1786	F1	mg/Kg		-137	70 - 130	8	35
o-Xylene	0.264	F1	0.0990	0.08652	F1	mg/Kg		-179	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

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

Lab Sample ID: MB 880-13590/1-A
Matrix: Solid
Analysis Batch: 13582

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13590

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		12/01/21 08:20	12/01/21 11:53	1

QC Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-13590/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 13582 — **Prep Batch: 13590**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/21 08:20	12/01/21 11:53	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/21 08:20	12/01/21 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*12/01/21 08:20*	*12/01/21 11:53*	*1*
o-Terphenyl	*76*		*70 - 130*	*12/01/21 08:20*	*12/01/21 11:53*	*1*

Lab Sample ID: LCS 880-13590/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 13582 — **Prep Batch: 13590**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1092		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1027		mg/Kg		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*96*		*70 - 130*

Lab Sample ID: LCSD 880-13590/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 13582 — **Prep Batch: 13590**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1063		mg/Kg		106	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1052		mg/Kg		105	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*96*		*70 - 130*

Lab Sample ID: 890-1636-A-1-G MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 13582 — **Prep Batch: 13590**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1287		mg/Kg		129	70 - 130
Diesel Range Organics (Over C10-C28)	61.9		997	1154		mg/Kg		110	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*73*		*70 - 130*
o-Terphenyl	*66*	*S1-*	*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, NM

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

Lab Sample ID: 890-1636-A-1-H MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 13582 — **Prep Batch: 13590**

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	<49.9	U	999	1223		mg/Kg		122	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	61.9		999	1151		mg/Kg		109	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*71*		*70 - 130*
o-Terphenyl	*66*	*S1-*	*70 - 130*

Lab Sample ID: MB 880-13637/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 13588 — **Prep Batch: 13637**

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		12/01/21 10:13	12/01/21 12:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/21 10:13	12/01/21 12:29	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/21 10:13	12/01/21 12:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*12/01/21 10:13*	*12/01/21 12:29*	*1*
o-Terphenyl	*89*		*70 - 130*	*12/01/21 10:13*	*12/01/21 12:29*	*1*

Lab Sample ID: LCS 880-13637/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 13588 — **Prep Batch: 13637**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1044		mg/Kg		104	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	960.4		mg/Kg		96	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*80*		*70 - 130*
o-Terphenyl	*76*		*70 - 130*

Lab Sample ID: LCSD 880-13637/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 13588 — **Prep Batch: 13637**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1042		mg/Kg		104	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	993.3		mg/Kg		99	70 - 130	3	20

QC Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-13637/3-A
Matrix: Solid
Analysis Batch: 13588

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 13637

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*82*		*70 - 130*
o-Terphenyl	*79*		*70 - 130*

Lab Sample ID: 880-8623-A-21-L MS
Matrix: Solid
Analysis Batch: 13588

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 13637

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	997	1770	F1	mg/Kg		178	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	997	1670	F1	mg/Kg		167	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*
o-Terphenyl	*84*		*70 - 130*

Lab Sample ID: 880-8623-A-21-M MSD
Matrix: Solid
Analysis Batch: 13588

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 13637

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	<49.9	U F1	999	1450	F1	mg/Kg		145	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	1479	F1	mg/Kg		148	70 - 130	12	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*88*		*70 - 130*
o-Terphenyl	*74*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-13492/1-A
Matrix: Solid
Analysis Batch: 13520

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			11/30/21 19:09	1

Lab Sample ID: LCS 880-13492/2-A
Matrix: Solid
Analysis Batch: 13520

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	260.7		mg/Kg		104	90 - 110

QC Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-13492/3-A
Matrix: Solid
Analysis Batch: 13520

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	260.7		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 890-1636-A-4-F MS
Matrix: Solid
Analysis Batch: 13520

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	48.9		248	296.3		mg/Kg		100	90 - 110

Lab Sample ID: 890-1636-A-4-G MSD
Matrix: Solid
Analysis Batch: 13520

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	48.9		248	289.6		mg/Kg		97	90 - 110	2	20

QC Association Summary

Client: NT Global
Project/Site: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 13339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-13339/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 13343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8624-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-8624-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-8624-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-8624-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-8624-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-8624-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-8624-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-8624-8	H-8 (0-0.5')	Total/NA	Solid	5035	
MB 880-13343/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13343/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13343/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-8671-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-8671-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 13426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8624-1	H-1 (0-0.5')	Total/NA	Solid	8021B	13343
880-8624-2	H-2 (0-0.5')	Total/NA	Solid	8021B	13343
880-8624-3	H-3 (0-0.5')	Total/NA	Solid	8021B	13343
880-8624-4	H-4 (0-0.5')	Total/NA	Solid	8021B	13343
880-8624-5	H-5 (0-0.5')	Total/NA	Solid	8021B	13343
880-8624-6	H-6 (0-0.5')	Total/NA	Solid	8021B	13343
880-8624-7	H-7 (0-0.5')	Total/NA	Solid	8021B	13343
880-8624-8	H-8 (0-0.5')	Total/NA	Solid	8021B	13343
MB 880-13339/5-A	Method Blank	Total/NA	Solid	8021B	13339
MB 880-13343/5-A	Method Blank	Total/NA	Solid	8021B	13343
LCS 880-13343/1-A	Lab Control Sample	Total/NA	Solid	8021B	13343
LCSD 880-13343/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13343
880-8671-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	13343
880-8671-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	13343

Analysis Batch: 13794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8624-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-8624-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-8624-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-8624-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-8624-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-8624-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-8624-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-8624-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 13582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8624-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	13590

QC Association Summary

Client: NT Global
Project/Site: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 13582 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8624-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	13590
880-8624-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	13590
880-8624-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	13590
880-8624-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	13590
MB 880-13590/1-A	Method Blank	Total/NA	Solid	8015B NM	13590
LCS 880-13590/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	13590
LCSD 880-13590/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	13590
890-1636-A-1-G MS	Matrix Spike	Total/NA	Solid	8015B NM	13590
890-1636-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	13590

Analysis Batch: 13588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8624-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	13637
880-8624-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	13637
880-8624-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	13637
MB 880-13637/1-A	Method Blank	Total/NA	Solid	8015B NM	13637
LCS 880-13637/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	13637
LCSD 880-13637/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	13637
880-8623-A-21-L MS	Matrix Spike	Total/NA	Solid	8015B NM	13637
880-8623-A-21-M MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	13637

Prep Batch: 13590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8624-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-8624-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-8624-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-8624-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-8624-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-13590/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-13590/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-13590/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1636-A-1-G MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1636-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 13637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8624-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-8624-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-8624-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-13637/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-13637/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-13637/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-8623-A-21-L MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-8623-A-21-M MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 13711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8624-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-8624-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-8624-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-8624-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: NT Global
Project/Site: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 13711 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8624-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-8624-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-8624-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-8624-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 13492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8624-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-8624-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-8624-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-8624-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-8624-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-8624-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-8624-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-8624-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-13492/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-13492/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-13492/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1636-A-4-F MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1636-A-4-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 13520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8624-1	H-1 (0-0.5')	Soluble	Solid	300.0	13492
880-8624-2	H-2 (0-0.5')	Soluble	Solid	300.0	13492
880-8624-3	H-3 (0-0.5')	Soluble	Solid	300.0	13492
880-8624-4	H-4 (0-0.5')	Soluble	Solid	300.0	13492
880-8624-5	H-5 (0-0.5')	Soluble	Solid	300.0	13492
880-8624-6	H-6 (0-0.5')	Soluble	Solid	300.0	13492
880-8624-7	H-7 (0-0.5')	Soluble	Solid	300.0	13492
880-8624-8	H-8 (0-0.5')	Soluble	Solid	300.0	13492
MB 880-13492/1-A	Method Blank	Soluble	Solid	300.0	13492
LCS 880-13492/2-A	Lab Control Sample	Soluble	Solid	300.0	13492
LCSD 880-13492/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	13492
890-1636-A-4-F MS	Matrix Spike	Soluble	Solid	300.0	13492
890-1636-A-4-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	13492

Lab Chronicle

Client: NT Global
Project/Site: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, NM

Client Sample ID: H-1 (0-0.5')

Lab Sample ID: 880-8624-1
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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	13343	11/30/21 08:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13426	12/01/21 06:05	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13794	12/02/21 16:29	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13711	12/01/21 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13637	12/01/21 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13588	12/01/21 19:16	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	13492	11/30/21 12:44	CA	XEN MID
Soluble	Analysis	300.0		1			13520	11/30/21 23:09	CH	XEN MID

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-8624-2
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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	13343	11/30/21 08:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13426	12/01/21 06:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13794	12/02/21 16:29	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13711	12/01/21 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13637	12/01/21 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13588	12/01/21 19:37	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	13492	11/30/21 12:44	CA	XEN MID
Soluble	Analysis	300.0		1			13520	11/30/21 23:43	CH	XEN MID

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-8624-3
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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	13343	11/30/21 08:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13426	12/01/21 06:46	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13794	12/02/21 16:29	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13711	12/01/21 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13637	12/01/21 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13588	12/01/21 19:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	13492	11/30/21 12:44	CA	XEN MID
Soluble	Analysis	300.0		1			13520	11/30/21 23:55	CH	XEN MID

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-8624-4
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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	13343	11/30/21 08:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13426	12/01/21 07:07	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13794	12/02/21 16:29	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, NM

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-8624-4
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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			13711	12/01/21 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13590	12/01/21 08:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13582	12/01/21 19:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	13492	11/30/21 12:44	CA	XEN MID
Soluble	Analysis	300.0		1			13520	12/01/21 00:06	CH	XEN MID

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-8624-5
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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	13343	11/30/21 08:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13426	12/01/21 07:27	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13794	12/02/21 16:29	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13711	12/01/21 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13590	12/01/21 08:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13582	12/01/21 19:32	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	13492	11/30/21 12:44	CA	XEN MID
Soluble	Analysis	300.0		1			13520	12/01/21 00:17	CH	XEN MID

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-8624-6
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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	13343	11/30/21 08:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13426	12/01/21 07:48	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13794	12/02/21 16:29	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13711	12/01/21 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13590	12/01/21 08:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13582	12/01/21 19:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	13492	11/30/21 12:44	CA	XEN MID
Soluble	Analysis	300.0		1			13520	12/01/21 00:29	CH	XEN MID

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-8624-7
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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	13343	11/30/21 08:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13426	12/01/21 08:08	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13794	12/02/21 16:29	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13711	12/01/21 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13590	12/01/21 08:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13582	12/01/21 20:12	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, NM

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-8624-7
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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 g	50 mL	13492	11/30/21 12:44	CA	XEN MID
Soluble	Analysis	300.0		1			13520	12/01/21 00:40	CH	XEN MID

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-8624-8
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/23/21 11:46

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	13343	11/30/21 08:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13426	12/01/21 08:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13794	12/02/21 16:29	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13711	12/01/21 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13590	12/01/21 08:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13582	12/01/21 20:32	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	13492	11/30/21 12:44	CA	XEN MID
Soluble	Analysis	300.0		1			13520	12/01/21 00:52	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: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, 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: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, 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: Vaca Draw Booster (11.14.21)

Job ID: 880-8624-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-8624-1	H-1 (0-0.5')	Solid	11/22/21 00:00	11/23/21 11:46
880-8624-2	H-2 (0-0.5')	Solid	11/22/21 00:00	11/23/21 11:46
880-8624-3	H-3 (0-0.5')	Solid	11/22/21 00:00	11/23/21 11:46
880-8624-4	H-4 (0-0.5')	Solid	11/22/21 00:00	11/23/21 11:46
880-8624-5	H-5 (0-0.5')	Solid	11/22/21 00:00	11/23/21 11:46
880-8624-6	H-6 (0-0.5')	Solid	11/22/21 00:00	11/23/21 11:46
880-8624-7	H-7 (0-0.5')	Solid	11/22/21 00:00	11/23/21 11:46
880-8624-8	H-8 (0-0.5')	Solid	11/22/21 00:00	11/23/21 11:46

Chain of Custody

NTG ENVIRONMENTAL

880-8624 Chain of Custody

12/3/2021

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:	Vaca Draw Booster (11 14 21)	Turn Around	
Project Number	214924	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date	
Sampler's Name	NH/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	IR8
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	.10
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	19
Total Containers.		Corrected Temperature:	2.0

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
H-1 (0-0 5')	11/22/2021	-	X	-	G	1		X	X	X		
H-2 (0-0 5')	11/22/2021	-	X	-	G	1		X	X	X		
H-3 (0-0 5')	11/22/2021	-	X	-	G	1		X	X	X		
H-4 (0-0 5')	11/22/2021	-	X	-	G	1		X	X	X		
H-5 (0-0 5')	11/22/2021	-	X	-	G	1		X	X	X		
H-6 (0-0 5')	11/22/2021	-	X	-	G	1		X	X	X		
H-7 (0-0 5')	11/22/2021	-	X	-	G	1		X	X	X		
H-8 (0-0 5')	11/22/2021	-	X	-	G	1		X	X	X		

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 Nicholas	Roberto R	11/23/21 11'46	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020 1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-8624-1
SDG Number: Lea Co, NM

Login Number: 8624
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Xenco, Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-9678-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Vaca Draw Booster 11.14.21

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

JKramer

Authorized for release by:
12/29/2021 12:11:04 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: Vaca Draw Booster 11.14.21

Laboratory Job ID: 880-9678-1
SDG: Lea Co, NM

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Qualifiers

GC VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Job ID: 880-9678-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-9678-1

Receipt
The samples were received on 12/23/2021 11:03 AM. 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 -2.4°C

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: T-1 (1') (880-9678-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-3 (3') (880-9678-14), T-4 (0-1') (880-9678-15), T-4 (1') (880-9678-16), (CCV 880-15649/2), (LCS 880-15650/1-A), (LCSD 880-15650/2-A), (MB 880-15650/5-A), (880-9678-A-1-H MS) and (880-9678-A-1-I MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-15650 and analytical batch 880-15649 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.

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-15547 and analytical batch 880-15542 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 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-2 (1') (880-9678-7), T-3 (3') (880-9678-14), T-4 (1') (880-9678-16), T-4 (2') (880-9678-17) and T-4 (3') (880-9678-18). Evidence of matrix interferences is not obvious.

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

HPLC/IC
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: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Client Sample ID: T-1 (0-1')

Lab Sample ID: 880-9678-1
Date Collected: 12/21/21 00:00
Matrix: Solid
Date Received: 12/23/21 11:03

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		12/23/21 14:27	12/24/21 11:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/23/21 14:27	12/24/21 11:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/23/21 14:27	12/24/21 11:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/23/21 14:27	12/24/21 11:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/23/21 14:27	12/24/21 11:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/23/21 14:27	12/24/21 11:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*12/23/21 14:27*	*12/24/21 11:08*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*12/23/21 14:27*	*12/24/21 11:08*	*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			12/29/21 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**410**		49.9		mg/Kg			12/28/21 11:38	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 *+ F1	49.9		mg/Kg		12/27/21 08:34	12/27/21 15:13	1
Diesel Range Organics (Over C10-C28)	**410**	***+ F1**	49.9		mg/Kg		12/27/21 08:34	12/27/21 15:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/21 08:34	12/27/21 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*12/27/21 08:34*	*12/27/21 15:13*	*1*
o-Terphenyl	*110*		*70 - 130*	*12/27/21 08:34*	*12/27/21 15:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9550**		49.5		mg/Kg			12/26/21 16:37	10

Client Sample ID: T-1 (1')

Lab Sample ID: 880-9678-2
Date Collected: 12/21/21 00:00
Matrix: Solid
Date Received: 12/23/21 11:03

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		12/23/21 14:27	12/24/21 08:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 08:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 08:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/23/21 14:27	12/24/21 08:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 08:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/23/21 14:27	12/24/21 08:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*12/23/21 14:27*	*12/24/21 08:45*	*1*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*	*12/23/21 14:27*	*12/24/21 08:45*	*1*

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Client Sample ID: T-1 (1')

Lab Sample ID: 880-9678-2
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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			12/29/21 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**60.0**		50.0		mg/Kg			12/28/21 11:38	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		12/27/21 08:34	12/27/21 16:16	1
Diesel Range Organics (Over C10-C28)	**60.0**	***+**	50.0		mg/Kg		12/27/21 08:34	12/27/21 16:16	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/21 08:34	12/27/21 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*12/27/21 08:34*	*12/27/21 16:16*	*1*
o-Terphenyl	*121*		*70 - 130*	*12/27/21 08:34*	*12/27/21 16:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**459**		5.05		mg/Kg			12/26/21 17:23	1

Client Sample ID: T-1 (2')

Lab Sample ID: 880-9678-3
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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		12/23/21 14:27	12/24/21 09:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/23/21 14:27	12/24/21 09:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/23/21 14:27	12/24/21 09:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/23/21 14:27	12/24/21 09:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/23/21 14:27	12/24/21 09:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/23/21 14:27	12/24/21 09:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*12/23/21 14:27*	*12/24/21 09:05*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*12/23/21 14:27*	*12/24/21 09:05*	*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			12/29/21 11:55	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			12/28/21 11:38	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		12/27/21 08:34	12/27/21 16:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		12/27/21 08:34	12/27/21 16:38	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Client Sample ID: T-1 (2')

Lab Sample ID: 880-9678-3
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/21 08:34	12/27/21 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*12/27/21 08:34*	*12/27/21 16:38*	*1*
o-Terphenyl	*103*		*70 - 130*	*12/27/21 08:34*	*12/27/21 16:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**669**		4.97		mg/Kg			12/26/21 17:38	1

Client Sample ID: T-1 (3')

Lab Sample ID: 880-9678-4
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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		12/23/21 14:27	12/24/21 12:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 12:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 12:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/23/21 14:27	12/24/21 12:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 12:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/23/21 14:27	12/24/21 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*12/23/21 14:27*	*12/24/21 12:58*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*12/23/21 14:27*	*12/24/21 12:58*	*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			12/29/21 11:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**66.6**		49.9		mg/Kg			12/28/21 11:38	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		12/27/21 08:34	12/27/21 17:01	1
Diesel Range Organics (Over C10-C28)	**66.6**	***+**	49.9		mg/Kg		12/27/21 08:34	12/27/21 17:01	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/21 08:34	12/27/21 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*12/27/21 08:34*	*12/27/21 17:01*	*1*
o-Terphenyl	*105*		*70 - 130*	*12/27/21 08:34*	*12/27/21 17:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			12/26/21 17:53	1

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Client Sample ID: T-1 (4')

Lab Sample ID: 880-9678-5
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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		12/23/21 14:27	12/24/21 13:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/23/21 14:27	12/24/21 13:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/23/21 14:27	12/24/21 13:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/23/21 14:27	12/24/21 13:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/23/21 14:27	12/24/21 13:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/23/21 14:27	12/24/21 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*12/23/21 14:27*	*12/24/21 13:18*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/23/21 14:27*	*12/24/21 13:18*	*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			12/29/21 11:56	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			12/28/21 11:38	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		12/27/21 08:34	12/27/21 17:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		12/27/21 08:34	12/27/21 17:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/27/21 08:34	12/27/21 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*12/27/21 08:34*	*12/27/21 17:22*	*1*
o-Terphenyl	*105*		*70 - 130*	*12/27/21 08:34*	*12/27/21 17:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			12/26/21 18:09	1

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-9678-6
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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		12/23/21 14:27	12/24/21 13:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 13:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 13:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/23/21 14:27	12/24/21 13:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 13:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/23/21 14:27	12/24/21 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*12/23/21 14:27*	*12/24/21 13:39*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*12/23/21 14:27*	*12/24/21 13:39*	*1*

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-9678-6
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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			12/29/21 11:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**193**		49.9		mg/Kg			12/28/21 11:38	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		12/27/21 08:34	12/27/21 17:43	1
Diesel Range Organics (Over C10-C28)	**193**	***+**	49.9		mg/Kg		12/27/21 08:34	12/27/21 17:43	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/21 08:34	12/27/21 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*12/27/21 08:34*	*12/27/21 17:43*	*1*
o-Terphenyl	*120*		*70 - 130*	*12/27/21 08:34*	*12/27/21 17:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9130**		99.8		mg/Kg			12/26/21 18:55	20

Client Sample ID: T-2 (1')

Lab Sample ID: 880-9678-7
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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		12/23/21 14:27	12/24/21 13:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/23/21 14:27	12/24/21 13:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/23/21 14:27	12/24/21 13:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/23/21 14:27	12/24/21 13:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/23/21 14:27	12/24/21 13:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/23/21 14:27	12/24/21 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*12/23/21 14:27*	*12/24/21 13:59*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/23/21 14:27*	*12/24/21 13:59*	*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			12/29/21 11:56	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			12/28/21 11:38	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		12/27/21 08:34	12/27/21 18:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		12/27/21 08:34	12/27/21 18:04	1

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Client Sample ID: T-2 (1')

Lab Sample ID: 880-9678-7
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/21 08:34	12/27/21 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*12/27/21 08:34*	*12/27/21 18:04*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*12/27/21 08:34*	*12/27/21 18:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3140**		24.9		mg/Kg			12/26/21 19:10	5

Client Sample ID: T-2 (2')

Lab Sample ID: 880-9678-8
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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		12/23/21 14:27	12/24/21 14:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 14:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 14:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/23/21 14:27	12/24/21 14:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 14:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/23/21 14:27	12/24/21 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*12/23/21 14:27*	*12/24/21 14:20*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/23/21 14:27*	*12/24/21 14:20*	*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			12/29/21 11:56	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			12/28/21 11:38	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		12/27/21 08:34	12/27/21 18:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		12/27/21 08:34	12/27/21 18:25	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/21 08:34	12/27/21 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*12/27/21 08:34*	*12/27/21 18:25*	*1*
o-Terphenyl	*109*		*70 - 130*	*12/27/21 08:34*	*12/27/21 18:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**636**		4.95		mg/Kg			12/26/21 19:26	1

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Client Sample ID: T-2 (3')

Lab Sample ID: 880-9678-9
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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		12/23/21 14:27	12/24/21 14:40	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/23/21 14:27	12/24/21 14:40	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/23/21 14:27	12/24/21 14:40	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/23/21 14:27	12/24/21 14:40	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/23/21 14:27	12/24/21 14:40	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/23/21 14:27	12/24/21 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*12/23/21 14:27*	*12/24/21 14:40*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/23/21 14:27*	*12/24/21 14:40*	*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			12/29/21 11:56	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			12/28/21 11:38	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		12/27/21 08:34	12/27/21 18:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		12/27/21 08:34	12/27/21 18:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/21 08:34	12/27/21 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*12/27/21 08:34*	*12/27/21 18:45*	*1*
o-Terphenyl	*110*		*70 - 130*	*12/27/21 08:34*	*12/27/21 18:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**670**		5.01		mg/Kg			12/26/21 19:41	1

Client Sample ID: T-2 (4')

Lab Sample ID: 880-9678-10
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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		12/23/21 14:27	12/24/21 15:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 15:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 15:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/23/21 14:27	12/24/21 15:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 15:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/23/21 14:27	12/24/21 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*12/23/21 14:27*	*12/24/21 15:00*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*12/23/21 14:27*	*12/24/21 15:00*	*1*

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Client Sample ID: T-2 (4')

Lab Sample ID: 880-9678-10
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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			12/29/21 11:56	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			12/28/21 11:38	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		12/27/21 08:34	12/27/21 19:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		12/27/21 08:34	12/27/21 19:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/21 08:34	12/27/21 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*12/27/21 08:34*	*12/27/21 19:06*	*1*
o-Terphenyl	*103*		*70 - 130*	*12/27/21 08:34*	*12/27/21 19:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			12/26/21 19:56	1

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-9678-11
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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		12/23/21 14:27	12/24/21 15:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/23/21 14:27	12/24/21 15:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/23/21 14:27	12/24/21 15:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/23/21 14:27	12/24/21 15:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/23/21 14:27	12/24/21 15:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/23/21 14:27	12/24/21 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*12/23/21 14:27*	*12/24/21 15:21*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*12/23/21 14:27*	*12/24/21 15:21*	*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			12/29/21 11:56	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			12/28/21 11:38	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		12/27/21 08:34	12/27/21 19:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		12/27/21 08:34	12/27/21 19:47	1

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-9678-11
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/21 08:34	12/27/21 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*12/27/21 08:34*	*12/27/21 19:47*	*1*
o-Terphenyl	*117*		*70 - 130*	*12/27/21 08:34*	*12/27/21 19:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1450**		25.0		mg/Kg			12/26/21 20:12	5

Client Sample ID: T-3 (1')

Lab Sample ID: 880-9678-12
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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		12/23/21 14:27	12/24/21 15:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 15:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 15:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/23/21 14:27	12/24/21 15:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 15:41	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/23/21 14:27	12/24/21 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*12/23/21 14:27*	*12/24/21 15:41*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/23/21 14:27*	*12/24/21 15:41*	*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			12/29/21 11:56	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			12/28/21 11:38	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		12/27/21 08:34	12/27/21 20:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		12/27/21 08:34	12/27/21 20:08	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/21 08:34	12/27/21 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*12/27/21 08:34*	*12/27/21 20:08*	*1*
o-Terphenyl	*126*		*70 - 130*	*12/27/21 08:34*	*12/27/21 20:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**362**		5.02		mg/Kg			12/26/21 20:58	1

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Client Sample ID: T-3 (2')

Lab Sample ID: 880-9678-13
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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		12/23/21 14:27	12/24/21 16:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 16:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 16:02	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/23/21 14:27	12/24/21 16:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 16:02	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/23/21 14:27	12/24/21 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*12/23/21 14:27*	*12/24/21 16:02*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/23/21 14:27*	*12/24/21 16:02*	*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			12/29/21 11:56	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			12/28/21 11:38	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		12/27/21 08:34	12/27/21 20:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		12/27/21 08:34	12/27/21 20:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/21 08:34	12/27/21 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*12/27/21 08:34*	*12/27/21 20:29*	*1*
o-Terphenyl	*127*		*70 - 130*	*12/27/21 08:34*	*12/27/21 20:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**131**		4.95		mg/Kg			12/28/21 11:13	1

Client Sample ID: T-3 (3')

Lab Sample ID: 880-9678-14
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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		12/28/21 12:49	12/29/21 00:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/21 12:49	12/29/21 00:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/21 12:49	12/29/21 00:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/21 12:49	12/29/21 00:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/21 12:49	12/29/21 00:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/21 12:49	12/29/21 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*12/28/21 12:49*	*12/29/21 00:16*	*1*
1,4-Difluorobenzene (Surr)	*51*	*S1-*	*70 - 130*	*12/28/21 12:49*	*12/29/21 00:16*	*1*

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Client Sample ID: T-3 (3')

Lab Sample ID: 880-9678-14
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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			12/29/21 11:55	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			12/28/21 11:38	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		12/27/21 08:34	12/27/21 20:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		12/27/21 08:34	12/27/21 20:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/21 08:34	12/27/21 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*12/27/21 08:34*	*12/27/21 20:51*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*12/27/21 08:34*	*12/27/21 20:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**58.3**		5.05		mg/Kg			12/28/21 11:33	1

Client Sample ID: T-4 (0-1')

Lab Sample ID: 880-9678-15
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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		12/28/21 12:49	12/29/21 00:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/28/21 12:49	12/29/21 00:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/28/21 12:49	12/29/21 00:44	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		12/28/21 12:49	12/29/21 00:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/28/21 12:49	12/29/21 00:44	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		12/28/21 12:49	12/29/21 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*12/28/21 12:49*	*12/29/21 00:44*	*1*
1,4-Difluorobenzene (Surr)	*46*	*S1-*	*70 - 130*	*12/28/21 12:49*	*12/29/21 00:44*	*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			12/29/21 11:55	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			12/28/21 11:38	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		12/27/21 08:34	12/27/21 21:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		12/27/21 08:34	12/27/21 21:13	1

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Client Sample ID: T-4 (0-1')

Lab Sample ID: 880-9678-15
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/21 08:34	12/27/21 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*12/27/21 08:34*	*12/27/21 21:13*	*1*
o-Terphenyl	*111*		*70 - 130*	*12/27/21 08:34*	*12/27/21 21:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1660**		24.9		mg/Kg			12/28/21 11:40	5

Client Sample ID: T-4 (1')

Lab Sample ID: 880-9678-16
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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		12/28/21 12:49	12/29/21 01:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/28/21 12:49	12/29/21 01:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/28/21 12:49	12/29/21 01:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/28/21 12:49	12/29/21 01:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/28/21 12:49	12/29/21 01:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/28/21 12:49	12/29/21 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*12/28/21 12:49*	*12/29/21 01:11*	*1*
1,4-Difluorobenzene (Surr)	*44*	*S1-*	*70 - 130*	*12/28/21 12:49*	*12/29/21 01:11*	*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			12/29/21 11:55	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			12/28/21 11:38	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		12/27/21 08:34	12/27/21 21:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		12/27/21 08:34	12/27/21 21:36	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/21 08:34	12/27/21 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*12/27/21 08:34*	*12/27/21 21:36*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*12/27/21 08:34*	*12/27/21 21:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**608**		4.95		mg/Kg			12/28/21 11:46	1

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Client Sample ID: T-4 (2')

Lab Sample ID: 880-9678-17

Date Collected: 12/21/21 00:00
Matrix: Solid
Date Received: 12/23/21 11:03

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		12/23/21 14:33	12/24/21 19:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/23/21 14:33	12/24/21 19:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/23/21 14:33	12/24/21 19:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/23/21 14:33	12/24/21 19:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/23/21 14:33	12/24/21 19:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/23/21 14:33	12/24/21 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*12/23/21 14:33*	*12/24/21 19:39*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*12/23/21 14:33*	*12/24/21 19:39*	*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			12/29/21 11:56	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			12/28/21 11:38	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		12/27/21 08:34	12/27/21 21:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		12/27/21 08:34	12/27/21 21:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/21 08:34	12/27/21 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*12/27/21 08:34*	*12/27/21 21:58*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*12/27/21 08:34*	*12/27/21 21:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**741**		25.2		mg/Kg			12/28/21 11:53	5

Client Sample ID: T-4 (3')

Lab Sample ID: 880-9678-18

Date Collected: 12/21/21 00:00
Matrix: Solid
Date Received: 12/23/21 11:03

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		12/23/21 14:33	12/24/21 20:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:33	12/24/21 20:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:33	12/24/21 20:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/23/21 14:33	12/24/21 20:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:33	12/24/21 20:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/23/21 14:33	12/24/21 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*12/23/21 14:33*	*12/24/21 20:00*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*12/23/21 14:33*	*12/24/21 20:00*	*1*

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Client Sample ID: T-4 (3')

Lab Sample ID: 880-9678-18
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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			12/29/21 11:56	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			12/28/21 11:38	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		12/27/21 08:34	12/27/21 22:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		12/27/21 08:34	12/27/21 22:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/21 08:34	12/27/21 22:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*12/27/21 08:34*	*12/27/21 22:21*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*12/27/21 08:34*	*12/27/21 22:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**453**		4.99		mg/Kg			12/28/21 12:13	1

Client Sample ID: T-4 (4')

Lab Sample ID: 880-9678-19
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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		12/23/21 14:33	12/24/21 20:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/23/21 14:33	12/24/21 20:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/23/21 14:33	12/24/21 20:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/23/21 14:33	12/24/21 20:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/23/21 14:33	12/24/21 20:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/23/21 14:33	12/24/21 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*12/23/21 14:33*	*12/24/21 20:20*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/23/21 14:33*	*12/24/21 20:20*	*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			12/29/21 11:56	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			12/28/21 11:38	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		12/27/21 08:34	12/27/21 22:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		12/27/21 08:34	12/27/21 22:44	1

Client Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Client Sample ID: T-4 (4')
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

Lab Sample ID: 880-9678-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/21 08:34	12/27/21 22:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*12/27/21 08:34*	*12/27/21 22:44*	*1*
o-Terphenyl	*112*		*70 - 130*	*12/27/21 08:34*	*12/27/21 22:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**108**		4.98		mg/Kg			12/28/21 12:20	1

Surrogate Summary

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, 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)
880-9678-1	T-1 (0-1')	116	98
880-9678-1 MS	T-1 (0-1')	167 S1+	72
880-9678-1 MSD	T-1 (0-1')	140 S1+	77
880-9678-2	T-1 (1')	137 S1+	121
880-9678-3	T-1 (2')	103	86
880-9678-4	T-1 (3')	72	72
880-9678-5	T-1 (4')	121	100
880-9678-6	T-2 (0-1')	100	82
880-9678-7	T-2 (1')	122	99
880-9678-8	T-2 (2')	114	99
880-9678-9	T-2 (3')	124	97
880-9678-10	T-2 (4')	78	80
880-9678-11	T-3 (0-1')	127	96
880-9678-12	T-3 (1')	130	102
880-9678-13	T-3 (2')	132 S1+	97
880-9678-14	T-3 (3')	128	51 S1-
880-9678-15	T-4 (0-1')	129	46 S1-
880-9678-16	T-4 (1')	117	44 S1-
880-9678-17	T-4 (2')	115	85
880-9678-17 MS	T-4 (2')	136 S1+	112
880-9678-17 MSD	T-4 (2')	114	91
880-9678-18	T-4 (3')	122	106
880-9678-19	T-4 (4')	119	97
LCS 880-15474/1-A	Lab Control Sample	102	85
LCS 880-15475/1-A	Lab Control Sample	122	100
LCS 880-15650/1-A	Lab Control Sample	147 S1+	86
LCSD 880-15474/2-A	Lab Control Sample Dup	117	100
LCSD 880-15475/2-A	Lab Control Sample Dup	121	98
LCSD 880-15650/2-A	Lab Control Sample Dup	168 S1+	59 S1-
MB 880-15437/5-A	Method Blank	122	100
MB 880-15474/5-A	Method Blank	123	101
MB 880-15475/5-A	Method Blank	119	104
MB 880-15650/5-A	Method Blank	108	60 S1-

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)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-9678-1	T-1 (0-1')	103	110
880-9678-1 MS	T-1 (0-1')	106	100
880-9678-1 MSD	T-1 (0-1')	120	115
880-9678-2	T-1 (1')	117	121
880-9678-3	T-1 (2')	96	103
880-9678-4	T-1 (3')	98	105

Surrogate Summary

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-9678-5	T-1 (4')	101	105								
880-9678-6	T-2 (0-1')	114	120								
880-9678-7	T-2 (1')	127	131 S1+								
880-9678-8	T-2 (2')	101	109								
880-9678-9	T-2 (3')	105	110								
880-9678-10	T-2 (4')	101	103								
880-9678-11	T-3 (0-1')	116	117								
880-9678-12	T-3 (1')	124	126								
880-9678-13	T-3 (2')	125	127								
880-9678-14	T-3 (3')	129	134 S1+								
880-9678-15	T-4 (0-1')	103	111								
880-9678-16	T-4 (1')	130	134 S1+								
880-9678-17	T-4 (2')	130	136 S1+								
880-9678-18	T-4 (3')	134 S1+	140 S1+								
880-9678-19	T-4 (4')	108	112								
LCS 880-15547/2-A	Lab Control Sample	122	105								
LCSD 880-15547/3-A	Lab Control Sample Dup	121	103								
MB 880-15547/1-A	Method Blank	119	125								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-15437/5-A
Matrix: Solid
Analysis Batch: 15427

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 15437

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/23/21 12:08	12/23/21 20:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/23/21 12:08	12/23/21 20:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 12:08	12/23/21 20:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/23/21 12:08	12/23/21 20:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/23/21 12:08	12/23/21 20:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/23/21 12:08	12/23/21 20:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*12/23/21 12:08*	*12/23/21 20:00*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/23/21 12:08*	*12/23/21 20:00*	*1*

Lab Sample ID: MB 880-15474/5-A
Matrix: Solid
Analysis Batch: 15427

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 15474

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 07:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 07:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 07:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/23/21 14:27	12/24/21 07:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:27	12/24/21 07:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/23/21 14:27	12/24/21 07:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*12/23/21 14:27*	*12/24/21 07:35*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/23/21 14:27*	*12/24/21 07:35*	*1*

Lab Sample ID: LCS 880-15474/1-A
Matrix: Solid
Analysis Batch: 15427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 15474

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08385		mg/Kg		84	70 - 130
Toluene	0.100	0.08787		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09164		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1799		mg/Kg		90	70 - 130
o-Xylene	0.100	0.08683		mg/Kg		87	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*

Lab Sample ID: LCSD 880-15474/2-A
Matrix: Solid
Analysis Batch: 15427

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 15474

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09709		mg/Kg		97	70 - 130	15	35

QC Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-15474/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 15427 — **Prep Batch: 15474**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			0.100	0.09606		mg/Kg		96	70 - 130	9	35
Ethylbenzene			0.100	0.1021		mg/Kg		102	70 - 130	11	35
m-Xylene & p-Xylene			0.200	0.1989		mg/Kg		99	70 - 130	10	35
o-Xylene			0.100	0.09835		mg/Kg		98	70 - 130	12	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 880-15475/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 15427 — **Prep Batch: 15475**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:33	12/24/21 19:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:33	12/24/21 19:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:33	12/24/21 19:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/23/21 14:33	12/24/21 19:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/23/21 14:33	12/24/21 19:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/23/21 14:33	12/24/21 19:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*12/23/21 14:33*	*12/24/21 19:10*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*12/23/21 14:33*	*12/24/21 19:10*	*1*

Lab Sample ID: LCS 880-15475/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 15427 — **Prep Batch: 15475**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene			0.100	0.07547		mg/Kg		75	70 - 130
Toluene			0.100	0.07887		mg/Kg		79	70 - 130
Ethylbenzene			0.100	0.08274		mg/Kg		83	70 - 130
m-Xylene & p-Xylene			0.200	0.1580		mg/Kg		79	70 - 130
o-Xylene			0.100	0.08027		mg/Kg		80	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-15475/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 15427 — **Prep Batch: 15475**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09264		mg/Kg		93	70 - 130	20	35
Toluene			0.100	0.1010		mg/Kg		101	70 - 130	25	35
Ethylbenzene			0.100	0.1023		mg/Kg		102	70 - 130	21	35

QC Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-15475/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 15427 — **Prep Batch: 15475**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene			0.200	0.1972		mg/Kg		99	70 - 130	22	35
o-Xylene			0.100	0.1016		mg/Kg		102	70 - 130	23	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-9678-17 MS — **Client Sample ID: T-4 (2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 15427 — **Prep Batch: 15475**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.0994	0.08018		mg/Kg		81	70 - 130
Toluene	<0.00199	U	0.0994	0.08286		mg/Kg		82	70 - 130
Ethylbenzene	<0.00199	U	0.0994	0.08598		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1694		mg/Kg		85	70 - 130
o-Xylene	<0.00199	U	0.0994	0.08306		mg/Kg		84	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: 880-9678-17 MSD — **Client Sample ID: T-4 (2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 15427 — **Prep Batch: 15475**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0992	0.08227		mg/Kg		83	70 - 130	3	35
Toluene	<0.00199	U	0.0992	0.08411		mg/Kg		83	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.0992	0.08402		mg/Kg		84	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1627		mg/Kg		81	70 - 130	4	35
o-Xylene	<0.00199	U	0.0992	0.08092		mg/Kg		82	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: MB 880-15650/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 15649 — **Prep Batch: 15650**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/21 12:49	12/28/21 16:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/21 12:49	12/28/21 16:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/21 12:49	12/28/21 16:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/28/21 12:49	12/28/21 16:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/21 12:49	12/28/21 16:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/28/21 12:49	12/28/21 16:34	1

QC Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	12/28/21 12:49	12/28/21 16:34	1
1,4-Difluorobenzene (Surr)	60	S1-	70 - 130	12/28/21 12:49	12/28/21 16:34	1

Lab Sample ID: LCS 880-15650/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 15649 — **Prep Batch: 15650**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.07393		mg/Kg		74	70 - 130		
Toluene			0.100	0.08714		mg/Kg		87	70 - 130		
Ethylbenzene			0.100	0.07860		mg/Kg		79	70 - 130		
m-Xylene & p-Xylene			0.200	0.1699		mg/Kg		85	70 - 130		
o-Xylene			0.100	0.07100		mg/Kg		71	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: LCSD 880-15650/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 15649 — **Prep Batch: 15650**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08001		mg/Kg		80	70 - 130	8	35
Toluene			0.100	0.09273		mg/Kg		93	70 - 130	6	35
Ethylbenzene			0.100	0.09262		mg/Kg		93	70 - 130	16	35
m-Xylene & p-Xylene			0.200	0.1877		mg/Kg		94	70 - 130	10	35
o-Xylene			0.100	0.08081		mg/Kg		81	70 - 130	13	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	168	S1+	70 - 130
1,4-Difluorobenzene (Surr)	59	S1-	70 - 130

Lab Sample ID: 880-9678-1 MS — **Client Sample ID: T-1 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 15649 — **Prep Batch: 15650**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00199	U F1	0.0998	0.06790	F1	mg/Kg		68	70 - 130		
Toluene	0.00207	F1	0.0998	0.08229		mg/Kg		80	70 - 130		
Ethylbenzene	<0.00199	U	0.0998	0.07310		mg/Kg		72	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1527		mg/Kg		75	70 - 130		
o-Xylene	<0.00199	U F1	0.0998	0.06814	F1	mg/Kg		68	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	167	S1+	70 - 130
1,4-Difluorobenzene (Surr)	72		70 - 130

QC Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-9678-1 MSD — **Client Sample ID: T-1 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 15649 — **Prep Batch: 15650**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.101	<0.00202	U F1	mg/Kg		0	70 - 130	NC	35
Toluene	0.00207	F1	0.101	<0.00202	U F1	mg/Kg		0	70 - 130	NC	35
Ethylbenzene	<0.00199	U	0.101	0.08473		mg/Kg		83	70 - 130	15	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1532		mg/Kg		74	70 - 130	0	35
o-Xylene	<0.00199	U F1	0.101	0.05957	F1	mg/Kg		59	70 - 130	13	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*

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

Lab Sample ID: MB 880-15547/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 15542 — **Prep Batch: 15547**

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		12/27/21 08:34	12/27/21 11:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/21 08:34	12/27/21 11:49	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/21 08:34	12/27/21 11:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*12/27/21 08:34*	*12/27/21 11:49*	*1*
o-Terphenyl	*125*		*70 - 130*	*12/27/21 08:34*	*12/27/21 11:49*	*1*

Lab Sample ID: LCS 880-15547/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 15542 — **Prep Batch: 15547**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	2000	2060		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	2000	1697		mg/Kg		85	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*122*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: LCSD 880-15547/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 15542 — **Prep Batch: 15547**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	2000	2018		mg/Kg		101	70 - 130	2	20

QC Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-15547/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 15542 — **Prep Batch: 15547**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)			2000	1667		mg/Kg		83	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*121*		*70 - 130*
o-Terphenyl	*103*		*70 - 130*

Lab Sample ID: 880-9678-1 MS — **Client Sample ID: T-1 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 15542 — **Prep Batch: 15547**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+ F1	996	1285		mg/Kg		127	70 - 130
Diesel Range Organics (Over C10-C28)	410	*+ F1	996	1057	F1	mg/Kg		65	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: 880-9678-1 MSD — **Client Sample ID: T-1 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 15542 — **Prep Batch: 15547**

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	<49.9	U *+ F1	995	1396	F1	mg/Kg		138	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	410	*+ F1	995	1220		mg/Kg		81	70 - 130	14	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*120*		*70 - 130*
o-Terphenyl	*115*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-15469/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15524

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/26/21 15:50	1

Lab Sample ID: LCS 880-15469/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15524

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride			250	251.0		mg/Kg		100	90 - 110

QC Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-15469/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15524

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	251.7		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-9678-1 MS — **Client Sample ID: T-1 (0-1')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15524

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	9550		2480	11940		mg/Kg		97	90 - 110

Lab Sample ID: 880-9678-1 MSD — **Client Sample ID: T-1 (0-1')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15524

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	9550		2480	11860		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 880-9678-11 MS — **Client Sample ID: T-3 (0-1')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15524

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1450		1250	2719		mg/Kg		101	90 - 110

Lab Sample ID: 880-9678-11 MSD — **Client Sample ID: T-3 (0-1')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15524

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1450		1250	2710		mg/Kg		101	90 - 110	0	20

Lab Sample ID: MB 880-15471/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15628

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/28/21 10:53	1

Lab Sample ID: LCS 880-15471/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15628

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride			250	245.4		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-15471/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 15628

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	251.2		mg/Kg		100	90 - 110	2	20

QC Sample Results

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-9678-13 MS
Matrix: Solid
Analysis Batch: 15628

Client Sample ID: T-3 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	131		248	385.4		mg/Kg		103	90 - 110		

Lab Sample ID: 880-9678-13 MSD
Matrix: Solid
Analysis Batch: 15628

Client Sample ID: T-3 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	131		248	389.5		mg/Kg		105	90 - 110	1	20

QC Association Summary

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 15427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9678-1	T-1 (0-1')	Total/NA	Solid	8021B	15474
880-9678-2	T-1 (1')	Total/NA	Solid	8021B	15474
880-9678-3	T-1 (2')	Total/NA	Solid	8021B	15474
880-9678-4	T-1 (3')	Total/NA	Solid	8021B	15474
880-9678-5	T-1 (4')	Total/NA	Solid	8021B	15474
880-9678-6	T-2 (0-1')	Total/NA	Solid	8021B	15474
880-9678-7	T-2 (1')	Total/NA	Solid	8021B	15474
880-9678-8	T-2 (2')	Total/NA	Solid	8021B	15474
880-9678-9	T-2 (3')	Total/NA	Solid	8021B	15474
880-9678-10	T-2 (4')	Total/NA	Solid	8021B	15474
880-9678-11	T-3 (0-1')	Total/NA	Solid	8021B	15474
880-9678-12	T-3 (1')	Total/NA	Solid	8021B	15474
880-9678-13	T-3 (2')	Total/NA	Solid	8021B	15474
880-9678-17	T-4 (2')	Total/NA	Solid	8021B	15475
880-9678-18	T-4 (3')	Total/NA	Solid	8021B	15475
880-9678-19	T-4 (4')	Total/NA	Solid	8021B	15475
MB 880-15437/5-A	Method Blank	Total/NA	Solid	8021B	15437
MB 880-15474/5-A	Method Blank	Total/NA	Solid	8021B	15474
MB 880-15475/5-A	Method Blank	Total/NA	Solid	8021B	15475
LCS 880-15474/1-A	Lab Control Sample	Total/NA	Solid	8021B	15474
LCS 880-15475/1-A	Lab Control Sample	Total/NA	Solid	8021B	15475
LCSD 880-15474/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	15474
LCSD 880-15475/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	15475
880-9678-17 MS	T-4 (2')	Total/NA	Solid	8021B	15475
880-9678-17 MSD	T-4 (2')	Total/NA	Solid	8021B	15475

Prep Batch: 15437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-15437/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 15474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9678-1	T-1 (0-1')	Total/NA	Solid	5035	
880-9678-2	T-1 (1')	Total/NA	Solid	5035	
880-9678-3	T-1 (2')	Total/NA	Solid	5035	
880-9678-4	T-1 (3')	Total/NA	Solid	5035	
880-9678-5	T-1 (4')	Total/NA	Solid	5035	
880-9678-6	T-2 (0-1')	Total/NA	Solid	5035	
880-9678-7	T-2 (1')	Total/NA	Solid	5035	
880-9678-8	T-2 (2')	Total/NA	Solid	5035	
880-9678-9	T-2 (3')	Total/NA	Solid	5035	
880-9678-10	T-2 (4')	Total/NA	Solid	5035	
880-9678-11	T-3 (0-1')	Total/NA	Solid	5035	
880-9678-12	T-3 (1')	Total/NA	Solid	5035	
880-9678-13	T-3 (2')	Total/NA	Solid	5035	
MB 880-15474/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-15474/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-15474/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

QC Association Summary

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 15475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9678-17	T-4 (2')	Total/NA	Solid	5035	
880-9678-18	T-4 (3')	Total/NA	Solid	5035	
880-9678-19	T-4 (4')	Total/NA	Solid	5035	
MB 880-15475/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-15475/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-15475/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-9678-17 MS	T-4 (2')	Total/NA	Solid	5035	
880-9678-17 MSD	T-4 (2')	Total/NA	Solid	5035	

Analysis Batch: 15649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9678-14	T-3 (3')	Total/NA	Solid	8021B	15650
880-9678-15	T-4 (0-1')	Total/NA	Solid	8021B	15650
880-9678-16	T-4 (1')	Total/NA	Solid	8021B	15650
MB 880-15650/5-A	Method Blank	Total/NA	Solid	8021B	15650
LCS 880-15650/1-A	Lab Control Sample	Total/NA	Solid	8021B	15650
LCSD 880-15650/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	15650
880-9678-1 MS	T-1 (0-1')	Total/NA	Solid	8021B	15650
880-9678-1 MSD	T-1 (0-1')	Total/NA	Solid	8021B	15650

Prep Batch: 15650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9678-14	T-3 (3')	Total/NA	Solid	5035	
880-9678-15	T-4 (0-1')	Total/NA	Solid	5035	
880-9678-16	T-4 (1')	Total/NA	Solid	5035	
MB 880-15650/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-15650/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-15650/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-9678-1 MS	T-1 (0-1')	Total/NA	Solid	5035	
880-9678-1 MSD	T-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 15728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9678-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-9678-2	T-1 (1')	Total/NA	Solid	Total BTEX	
880-9678-3	T-1 (2')	Total/NA	Solid	Total BTEX	
880-9678-4	T-1 (3')	Total/NA	Solid	Total BTEX	
880-9678-5	T-1 (4')	Total/NA	Solid	Total BTEX	
880-9678-6	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-9678-7	T-2 (1')	Total/NA	Solid	Total BTEX	
880-9678-8	T-2 (2')	Total/NA	Solid	Total BTEX	
880-9678-9	T-2 (3')	Total/NA	Solid	Total BTEX	
880-9678-10	T-2 (4')	Total/NA	Solid	Total BTEX	
880-9678-11	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-9678-12	T-3 (1')	Total/NA	Solid	Total BTEX	
880-9678-13	T-3 (2')	Total/NA	Solid	Total BTEX	
880-9678-14	T-3 (3')	Total/NA	Solid	Total BTEX	
880-9678-15	T-4 (0-1')	Total/NA	Solid	Total BTEX	
880-9678-16	T-4 (1')	Total/NA	Solid	Total BTEX	
880-9678-17	T-4 (2')	Total/NA	Solid	Total BTEX	
880-9678-18	T-4 (3')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 15728 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9678-19	T-4 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 15542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9678-1	T-1 (0-1')	Total/NA	Solid	8015B NM	15547
880-9678-2	T-1 (1')	Total/NA	Solid	8015B NM	15547
880-9678-3	T-1 (2')	Total/NA	Solid	8015B NM	15547
880-9678-4	T-1 (3')	Total/NA	Solid	8015B NM	15547
880-9678-5	T-1 (4')	Total/NA	Solid	8015B NM	15547
880-9678-6	T-2 (0-1')	Total/NA	Solid	8015B NM	15547
880-9678-7	T-2 (1')	Total/NA	Solid	8015B NM	15547
880-9678-8	T-2 (2')	Total/NA	Solid	8015B NM	15547
880-9678-9	T-2 (3')	Total/NA	Solid	8015B NM	15547
880-9678-10	T-2 (4')	Total/NA	Solid	8015B NM	15547
880-9678-11	T-3 (0-1')	Total/NA	Solid	8015B NM	15547
880-9678-12	T-3 (1')	Total/NA	Solid	8015B NM	15547
880-9678-13	T-3 (2')	Total/NA	Solid	8015B NM	15547
880-9678-14	T-3 (3')	Total/NA	Solid	8015B NM	15547
880-9678-15	T-4 (0-1')	Total/NA	Solid	8015B NM	15547
880-9678-16	T-4 (1')	Total/NA	Solid	8015B NM	15547
880-9678-17	T-4 (2')	Total/NA	Solid	8015B NM	15547
880-9678-18	T-4 (3')	Total/NA	Solid	8015B NM	15547
880-9678-19	T-4 (4')	Total/NA	Solid	8015B NM	15547
MB 880-15547/1-A	Method Blank	Total/NA	Solid	8015B NM	15547
LCS 880-15547/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	15547
LCSD 880-15547/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	15547
880-9678-1 MS	T-1 (0-1')	Total/NA	Solid	8015B NM	15547
880-9678-1 MSD	T-1 (0-1')	Total/NA	Solid	8015B NM	15547

Prep Batch: 15547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9678-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-9678-2	T-1 (1')	Total/NA	Solid	8015NM Prep	
880-9678-3	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-9678-4	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-9678-5	T-1 (4')	Total/NA	Solid	8015NM Prep	
880-9678-6	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-9678-7	T-2 (1')	Total/NA	Solid	8015NM Prep	
880-9678-8	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-9678-9	T-2 (3')	Total/NA	Solid	8015NM Prep	
880-9678-10	T-2 (4')	Total/NA	Solid	8015NM Prep	
880-9678-11	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-9678-12	T-3 (1')	Total/NA	Solid	8015NM Prep	
880-9678-13	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-9678-14	T-3 (3')	Total/NA	Solid	8015NM Prep	
880-9678-15	T-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-9678-16	T-4 (1')	Total/NA	Solid	8015NM Prep	
880-9678-17	T-4 (2')	Total/NA	Solid	8015NM Prep	
880-9678-18	T-4 (3')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 15547 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9678-19	T-4 (4')	Total/NA	Solid	8015NM Prep	
MB 880-15547/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-15547/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-15547/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-9678-1 MS	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-9678-1 MSD	T-1 (0-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 15646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9678-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-9678-2	T-1 (1')	Total/NA	Solid	8015 NM	
880-9678-3	T-1 (2')	Total/NA	Solid	8015 NM	
880-9678-4	T-1 (3')	Total/NA	Solid	8015 NM	
880-9678-5	T-1 (4')	Total/NA	Solid	8015 NM	
880-9678-6	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-9678-7	T-2 (1')	Total/NA	Solid	8015 NM	
880-9678-8	T-2 (2')	Total/NA	Solid	8015 NM	
880-9678-9	T-2 (3')	Total/NA	Solid	8015 NM	
880-9678-10	T-2 (4')	Total/NA	Solid	8015 NM	
880-9678-11	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-9678-12	T-3 (1')	Total/NA	Solid	8015 NM	
880-9678-13	T-3 (2')	Total/NA	Solid	8015 NM	
880-9678-14	T-3 (3')	Total/NA	Solid	8015 NM	
880-9678-15	T-4 (0-1')	Total/NA	Solid	8015 NM	
880-9678-16	T-4 (1')	Total/NA	Solid	8015 NM	
880-9678-17	T-4 (2')	Total/NA	Solid	8015 NM	
880-9678-18	T-4 (3')	Total/NA	Solid	8015 NM	
880-9678-19	T-4 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 15469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9678-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-9678-2	T-1 (1')	Soluble	Solid	DI Leach	
880-9678-3	T-1 (2')	Soluble	Solid	DI Leach	
880-9678-4	T-1 (3')	Soluble	Solid	DI Leach	
880-9678-5	T-1 (4')	Soluble	Solid	DI Leach	
880-9678-6	T-2 (0-1')	Soluble	Solid	DI Leach	
880-9678-7	T-2 (1')	Soluble	Solid	DI Leach	
880-9678-8	T-2 (2')	Soluble	Solid	DI Leach	
880-9678-9	T-2 (3')	Soluble	Solid	DI Leach	
880-9678-10	T-2 (4')	Soluble	Solid	DI Leach	
880-9678-11	T-3 (0-1')	Soluble	Solid	DI Leach	
880-9678-12	T-3 (1')	Soluble	Solid	DI Leach	
MB 880-15469/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-15469/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-15469/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9678-1 MS	T-1 (0-1')	Soluble	Solid	DI Leach	
880-9678-1 MSD	T-1 (0-1')	Soluble	Solid	DI Leach	
880-9678-11 MS	T-3 (0-1')	Soluble	Solid	DI Leach	

QC Association Summary

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 15469 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9678-11 MSD	T-3 (0-1')	Soluble	Solid	DI Leach	

Leach Batch: 15471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9678-13	T-3 (2')	Soluble	Solid	DI Leach	
880-9678-14	T-3 (3')	Soluble	Solid	DI Leach	
880-9678-15	T-4 (0-1')	Soluble	Solid	DI Leach	
880-9678-16	T-4 (1')	Soluble	Solid	DI Leach	
880-9678-17	T-4 (2')	Soluble	Solid	DI Leach	
880-9678-18	T-4 (3')	Soluble	Solid	DI Leach	
880-9678-19	T-4 (4')	Soluble	Solid	DI Leach	
MB 880-15471/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-15471/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-15471/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9678-13 MS	T-3 (2')	Soluble	Solid	DI Leach	
880-9678-13 MSD	T-3 (2')	Soluble	Solid	DI Leach	

Analysis Batch: 15524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9678-1	T-1 (0-1')	Soluble	Solid	300.0	15469
880-9678-2	T-1 (1')	Soluble	Solid	300.0	15469
880-9678-3	T-1 (2')	Soluble	Solid	300.0	15469
880-9678-4	T-1 (3')	Soluble	Solid	300.0	15469
880-9678-5	T-1 (4')	Soluble	Solid	300.0	15469
880-9678-6	T-2 (0-1')	Soluble	Solid	300.0	15469
880-9678-7	T-2 (1')	Soluble	Solid	300.0	15469
880-9678-8	T-2 (2')	Soluble	Solid	300.0	15469
880-9678-9	T-2 (3')	Soluble	Solid	300.0	15469
880-9678-10	T-2 (4')	Soluble	Solid	300.0	15469
880-9678-11	T-3 (0-1')	Soluble	Solid	300.0	15469
880-9678-12	T-3 (1')	Soluble	Solid	300.0	15469
MB 880-15469/1-A	Method Blank	Soluble	Solid	300.0	15469
LCS 880-15469/2-A	Lab Control Sample	Soluble	Solid	300.0	15469
LCSD 880-15469/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	15469
880-9678-1 MS	T-1 (0-1')	Soluble	Solid	300.0	15469
880-9678-1 MSD	T-1 (0-1')	Soluble	Solid	300.0	15469
880-9678-11 MS	T-3 (0-1')	Soluble	Solid	300.0	15469
880-9678-11 MSD	T-3 (0-1')	Soluble	Solid	300.0	15469

Analysis Batch: 15628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9678-13	T-3 (2')	Soluble	Solid	300.0	15471
880-9678-14	T-3 (3')	Soluble	Solid	300.0	15471
880-9678-15	T-4 (0-1')	Soluble	Solid	300.0	15471
880-9678-16	T-4 (1')	Soluble	Solid	300.0	15471
880-9678-17	T-4 (2')	Soluble	Solid	300.0	15471
880-9678-18	T-4 (3')	Soluble	Solid	300.0	15471
880-9678-19	T-4 (4')	Soluble	Solid	300.0	15471
MB 880-15471/1-A	Method Blank	Soluble	Solid	300.0	15471
LCS 880-15471/2-A	Lab Control Sample	Soluble	Solid	300.0	15471
LCSD 880-15471/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	15471

QC Association Summary

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 15628 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9678-13 MS	T-3 (2')	Soluble	Solid	300.0	15471
880-9678-13 MSD	T-3 (2')	Soluble	Solid	300.0	15471

Lab Chronicle

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Client Sample ID: T-1 (0-1')

Lab Sample ID: 880-9678-1
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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	15474	12/23/21 14:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 11:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15728	12/29/21 11:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15646	12/28/21 11:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15547	12/27/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15542	12/27/21 15:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	15469	12/23/21 12:33	SC	XEN MID
Soluble	Analysis	300.0		10	0 mL	1.0 mL	15524	12/26/21 16:37	SC	XEN MID

Client Sample ID: T-1 (1')

Lab Sample ID: 880-9678-2
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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	15474	12/23/21 14:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 08:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15728	12/29/21 11:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15646	12/28/21 11:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15547	12/27/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15542	12/27/21 16:16	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	15469	12/23/21 12:33	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	15524	12/26/21 17:23	SC	XEN MID

Client Sample ID: T-1 (2')

Lab Sample ID: 880-9678-3
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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	15474	12/23/21 14:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 09:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15728	12/29/21 11:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15646	12/28/21 11:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15547	12/27/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15542	12/27/21 16:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	15469	12/23/21 12:33	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	15524	12/26/21 17:38	SC	XEN MID

Client Sample ID: T-1 (3')

Lab Sample ID: 880-9678-4
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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	15474	12/23/21 14:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 12:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15728	12/29/21 11:56	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Client Sample ID: T-1 (3')
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

Lab Sample ID: 880-9678-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			15646	12/28/21 11:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15547	12/27/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15542	12/27/21 17:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	15469	12/23/21 12:33	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	15524	12/26/21 17:53	SC	XEN MID

Client Sample ID: T-1 (4')
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

Lab Sample ID: 880-9678-5
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	15474	12/23/21 14:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 13:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15728	12/29/21 11:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15646	12/28/21 11:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	15547	12/27/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15542	12/27/21 17:22	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	15469	12/23/21 12:33	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	15524	12/26/21 18:09	SC	XEN MID

Client Sample ID: T-2 (0-1')
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

Lab Sample ID: 880-9678-6
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	15474	12/23/21 14:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 13:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15728	12/29/21 11:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15646	12/28/21 11:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15547	12/27/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15542	12/27/21 17:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	15469	12/23/21 12:33	SC	XEN MID
Soluble	Analysis	300.0		20	0 mL	1.0 mL	15524	12/26/21 18:55	SC	XEN MID

Client Sample ID: T-2 (1')
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

Lab Sample ID: 880-9678-7
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	15474	12/23/21 14:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 13:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15728	12/29/21 11:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15646	12/28/21 11:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15547	12/27/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15542	12/27/21 18:04	AJ	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Client Sample ID: T-2 (1')

Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

Lab Sample ID: 880-9678-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	15469	12/23/21 12:33	SC	XEN MID
Soluble	Analysis	300.0		5	0 mL	1.0 mL	15524	12/26/21 19:10	SC	XEN MID

Client Sample ID: T-2 (2')

Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

Lab Sample ID: 880-9678-8
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	15474	12/23/21 14:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 14:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15728	12/29/21 11:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15646	12/28/21 11:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15547	12/27/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15542	12/27/21 18:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	15469	12/23/21 12:33	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	15524	12/26/21 19:26	SC	XEN MID

Client Sample ID: T-2 (3')

Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

Lab Sample ID: 880-9678-9
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	15474	12/23/21 14:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 14:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15728	12/29/21 11:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15646	12/28/21 11:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15547	12/27/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15542	12/27/21 18:45	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	15469	12/23/21 12:33	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	15524	12/26/21 19:41	SC	XEN MID

Client Sample ID: T-2 (4')

Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

Lab Sample ID: 880-9678-10
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	15474	12/23/21 14:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 15:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15728	12/29/21 11:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15646	12/28/21 11:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15547	12/27/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15542	12/27/21 19:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	15469	12/23/21 12:33	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	15524	12/26/21 19:56	SC	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-9678-11
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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	15474	12/23/21 14:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 15:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15728	12/29/21 11:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15646	12/28/21 11:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15547	12/27/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15542	12/27/21 19:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	15469	12/23/21 12:33	SC	XEN MID
Soluble	Analysis	300.0		5	0 mL	1.0 mL	15524	12/26/21 20:12	SC	XEN MID

Client Sample ID: T-3 (1')

Lab Sample ID: 880-9678-12
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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	15474	12/23/21 14:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 15:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15728	12/29/21 11:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15646	12/28/21 11:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15547	12/27/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15542	12/27/21 20:08	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	15469	12/23/21 12:33	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	15524	12/26/21 20:58	SC	XEN MID

Client Sample ID: T-3 (2')

Lab Sample ID: 880-9678-13
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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	15474	12/23/21 14:27	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 16:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15728	12/29/21 11:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15646	12/28/21 11:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15547	12/27/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15542	12/27/21 20:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	15471	12/23/21 12:36	SC	XEN MID
Soluble	Analysis	300.0		1			15628	12/28/21 11:13	CH	XEN MID

Client Sample ID: T-3 (3')

Lab Sample ID: 880-9678-14
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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	15650	12/28/21 12:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15649	12/29/21 00:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15728	12/29/21 11:55	AJ	XEN MID

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Lab Chronicle

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Client Sample ID: T-3 (3')

Lab Sample ID: 880-9678-14
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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			15646	12/28/21 11:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15547	12/27/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15542	12/27/21 20:51	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	15471	12/23/21 12:36	SC	XEN MID
Soluble	Analysis	300.0		1			15628	12/28/21 11:33	CH	XEN MID

Client Sample ID: T-4 (0-1')

Lab Sample ID: 880-9678-15
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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	15650	12/28/21 12:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15649	12/29/21 00:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15728	12/29/21 11:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15646	12/28/21 11:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15547	12/27/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15542	12/27/21 21:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	15471	12/23/21 12:36	SC	XEN MID
Soluble	Analysis	300.0		5			15628	12/28/21 11:40	CH	XEN MID

Client Sample ID: T-4 (1')

Lab Sample ID: 880-9678-16
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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	15650	12/28/21 12:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15649	12/29/21 01:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15728	12/29/21 11:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15646	12/28/21 11:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15547	12/27/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15542	12/27/21 21:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	15471	12/23/21 12:36	SC	XEN MID
Soluble	Analysis	300.0		1			15628	12/28/21 11:46	CH	XEN MID

Client Sample ID: T-4 (2')

Lab Sample ID: 880-9678-17
Matrix: Solid
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

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	15475	12/23/21 14:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 19:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15728	12/29/21 11:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15646	12/28/21 11:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15547	12/27/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15542	12/27/21 21:58	AJ	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Client Sample ID: T-4 (2')

Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

Lab Sample ID: 880-9678-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	15471	12/23/21 12:36	SC	XEN MID
Soluble	Analysis	300.0		5			15628	12/28/21 11:53	CH	XEN MID

Client Sample ID: T-4 (3')

Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

Lab Sample ID: 880-9678-18
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	15475	12/23/21 14:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 20:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15728	12/29/21 11:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15646	12/28/21 11:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15547	12/27/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15542	12/27/21 22:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	15471	12/23/21 12:36	SC	XEN MID
Soluble	Analysis	300.0		1			15628	12/28/21 12:13	CH	XEN MID

Client Sample ID: T-4 (4')

Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:03

Lab Sample ID: 880-9678-19
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	15475	12/23/21 14:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 20:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15728	12/29/21 11:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15646	12/28/21 11:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15547	12/27/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15542	12/27/21 22:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	15471	12/23/21 12:36	SC	XEN MID
Soluble	Analysis	300.0		1			15628	12/28/21 12:20	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: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, 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: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, 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: Vaca Draw Booster 11.14.21

Job ID: 880-9678-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-9678-1	T-1 (0-1')	Solid	12/21/21 00:00	12/23/21 11:03
880-9678-2	T-1 (1')	Solid	12/21/21 00:00	12/23/21 11:03
880-9678-3	T-1 (2')	Solid	12/21/21 00:00	12/23/21 11:03
880-9678-4	T-1 (3')	Solid	12/21/21 00:00	12/23/21 11:03
880-9678-5	T-1 (4')	Solid	12/21/21 00:00	12/23/21 11:03
880-9678-6	T-2 (0-1')	Solid	12/21/21 00:00	12/23/21 11:03
880-9678-7	T-2 (1')	Solid	12/21/21 00:00	12/23/21 11:03
880-9678-8	T-2 (2')	Solid	12/21/21 00:00	12/23/21 11:03
880-9678-9	T-2 (3')	Solid	12/21/21 00:00	12/23/21 11:03
880-9678-10	T-2 (4')	Solid	12/21/21 00:00	12/23/21 11:03
880-9678-11	T-3 (0-1')	Solid	12/21/21 00:00	12/23/21 11:03
880-9678-12	T-3 (1')	Solid	12/21/21 00:00	12/23/21 11:03
880-9678-13	T-3 (2')	Solid	12/21/21 00:00	12/23/21 11:03
880-9678-14	T-3 (3')	Solid	12/21/21 00:00	12/23/21 11:03
880-9678-15	T-4 (0-1')	Solid	12/21/21 00:00	12/23/21 11:03
880-9678-16	T-4 (1')	Solid	12/21/21 00:00	12/23/21 11:03
880-9678-17	T-4 (2')	Solid	12/21/21 00:00	12/23/21 11:03
880-9678-18	T-4 (3')	Solid	12/21/21 00:00	12/23/21 11:03
880-9678-19	T-4 (4')	Solid	12/21/21 00:00	12/23/21 11:03

Chain of Custody

NTG ENVIRONMENTAL

880-9678 Chain of Custody

Page 1 of 2

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 ☐ uperfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name:	Vaca Draw Booster 11 14 21	Turn Around	
Project Number	214924	☐ Routine ☑ Rush	
Project Location	Lea Co, NM	Due Date	72HR
Sampler's Name.	AT	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	IR8
Cooler Custody Seals	Yes No (N/A)	Correction Factor	.10
Sample Custody Seals	Yes No (N/A)	Temperature Reading:	-2.3
Total Containers.		Corrected Temperature:	-2 4

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 0	HOLD	Sample Comments
T-1 (0-1')	12/21/2021		X		G	1		X	X	X		4oz
T-1 (1')	12/21/2021		X		G	1		X	X	X		
T-1 (2')	12/21/2021		X		G	1		X	X	X		
T-1 (3')	12/21/2021		X		G	1		X	X	X		
T-1 (4')	12/21/2021		X		G	1		X	X	X		
T-2 (0-1')	12/21/2021		X		G	1		X	X	X		
T-2 (1')	12/21/2021		X		G	1		X	X	X		
T-2 (2')	12/21/2021		X		G	1		X	X	X		
T-2 (3')	12/21/2021		X		G	1		X	X	X		
T-2 (4')	12/21/2021		X		G	1		X	X	X		

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	Xenco R	12/23/21 1103	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: 9678

12/29/2021

Page 2 of 2

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 ☐ uperfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Vaca Draw Booster 11 14 21	Turn Around	
Project Number	214924	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date	72HR
Sampler's Name:	AT	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	IR8
Cooler Custody Seals	Yes No (N/A)	Correction Factor	.10
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	-2.3
Total Containers		Corrected Temperature	-2.4

ANALYSIS REQUEST

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 300.0	HOLD	Sample Comments
T-3 (0-1')	12/21/2021		X		G	1		X	X	X		
T-3 (1')	12/21/2021		X		G	1		X	X	X		
T-3 (2')	12/21/2021		X		G	1		X	X	X		
T-3 (3')	12/21/2021		X		G	1		X	X	X		
T-4 (0-1')	12/21/2021		X		G	1		X	X	X		
T-4 (1')	12/21/2021		X		G	1		X	X	X		
T-4 (2')	12/21/2021		X		G	1		X	X	X		
T-4 (3')	12/21/2021		X		G	1		X	X	X		
T-4 (4')	12/21/2021		X		G	1		X	X	X		

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		12/23/21 11:03	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-9678-1
SDG Number: Lea Co, NM

Login Number: 9678
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Xenco, Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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.	N/A	No time on COC, logged in per container labels.
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	

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 71378

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 71378
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	Closure report due 05/02/2022	2/1/2022