

Incident ID	NAPP2132634860
District RP	
Facility ID	
Application ID	62929

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

OCD Only

Received by: Chad Hensley Date: 01/27/2022

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

Signature: Chad Hensley Date: 01/27/2022



Site Information

Work Plan
Cosmo Booster
Lea County, New Mexico
Unit M Sec 15 T24S R35E
Incident #: NAPP2132634860
32.210614°, -103.360991°

Produced Water Release
Source: Fire from an Unknown Source
Release Date: 11/21/2020
Volume Released: 800 bbls/ Produced Water
Volume Recovered: 250 bbls/ Produced Water

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

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



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PHOTOS	PHOTOLOG

APPENDICES

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APPENDIX B	GROUNDWATER RESEARCH
APPENDIX C	LABORATORY ANALYTICAL REPORTS



701 Tradewinds Boulevard, Suite C
Midland, Texas 79706
Tel. 432.685.3898
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January 6, 2022

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

**Re: Work Plan
Cosmo Booster
NGL Energy Partners, LLC
Site Location: Unit M, S15, T24S, R35E
Incident #: NAPP2132634860
(Lat 32.210614°, Long -103.360991°)
Lea County, New Mexico**

To whom it may concern:

On behalf of NGL Energy Partners, LLC (NGL), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment activities for Cosmo Booster. The site is located at 32.210614°, -103.360991° within Unit M, S15, T24S, R35E, and approximately 11.64 miles Northwest of Jal, New Mexico, 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 21, 2021, caused by a fire from an unknown source. It resulted in the release of approximately eight hundred (800) barrels of produced water, and two hundred and fifty (250) barrels of produced water were recovered. The impacted area measured approximately 1,000' x 35' and 1,715' x 305' 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, there is one known water source within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.40 miles Northeast of the site in S15, T24S, R35E and drilled in 1976. However, after driving by and trying to find the well, it appears we could not locate it. Refer to photolog. The well has a reported depth to groundwater of 9.83' feet below ground surface (ft bgs). The other closest well is located approximately 1.54 miles Northwest of the site in S10 T24S, R35E, and drilled in 1996. 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 December 3, 2021, NTGE personnel were on site to horizontally and vertically define the release. A total of twelve (12) soil sample points (S-1 through S-12) and ten (10) horizontal sample points (H-1 through H-10) were installed to total depths ranging from surface to 4.0 - 4.5 ft 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-3, S-6, and S-10) had chloride concentrations ranging from 61.8 mg/kg to 4,470 mg/kg and TPH concentrations ranging from 49.9 mg/kg to 547 mg/kg at a depth from the surface to 2.5' below the surface. The area of (S-2) had a chloride concentration of 28.4 mg/kg at surface to 1.0' below surface and 1,290 mg/kg at a depth from 1.0' - 1.5' below surface. The areas of (S-4, S-11, and S-12) had chloride concentration values ranging from 7.77 mg/kg to 3,160 mg/kg and TPH concentration values ranging from below 49.8 mg/kg to 401 mg/kg at a depth from the surface to 3.5' below surface. The area of (S-5) had TPH concentration values ranging from 58.7 mg/kg to 493 mg/kg at a depth from the surface to 4.5' below the surface. The areas of (S-7, S-8, and S-9) had chloride concentration values ranging from below 701 mg/kg to 2,430 mg/kg at a depth from the surface to 1' below surface. Due to the dense formation, NTG could not vertically delineate via hand auger.

Trenches

On December 21, 2021, NTGE personnel were on site to vertically define the release with a 3rd party who used a backhoe. A total of six (6) trenches (Trench-1 through Trench-6) were installed to total depths ranging from surface to 6 ft 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.

All areas were vertically delineated. Refer to Table 1.

Proposed Work Plan

Based on the laboratory results and the detected chloride 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), S-3 (Trench-2), and S-11 (Trench-5) will be excavated to 4.5' below surface and backfilled with clean material to grade.
- The area of S-2 will be excavated to a depth of 2.0' below surface and backfilled with clean material to grade.
- The area of S-4 (Trench-3) will be excavated to a depth of 4.0' below surface and backfilled with clean material to grade.

- The area of S-6, S-10 will be excavated to a depth of 3.0' below surface and backfilled with clean material to grade.
- The area of S-7, S-8, S-9 will be excavated to 1.5' below surface and backfilled with clean material to grade.
- The area of S-12 (Trench-6) will be excavated to a depth of 5.5' below surface and backfilled with clean material to grade.
- NGL proposes to collect composite sidewall and bottom hole samples every 1,000 square feet and analyze for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B. Chloride by EPA method 300.0., to be representative of the release area for documentation purposes.
- NGL estimates approximately 21,157 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

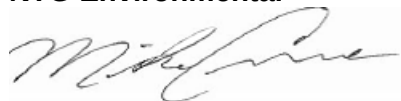
In addition, impacted soil around oil and gas equipment, structures or lines may not be feasible or practicable to be removed due to safety concerns for onsite personnel. As such, NGL will excavate the impacted soils to the maximum extent possible.

Conclusions

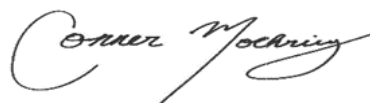
Upon completion, a final report detailing the remediation activities will be submitted to the NMOCD. If you have any questions regarding this report or need additional information, please contact us at 432-813-0263.

Sincerely,

NTG Environmental



Mike Carmona
Senior Project Manager

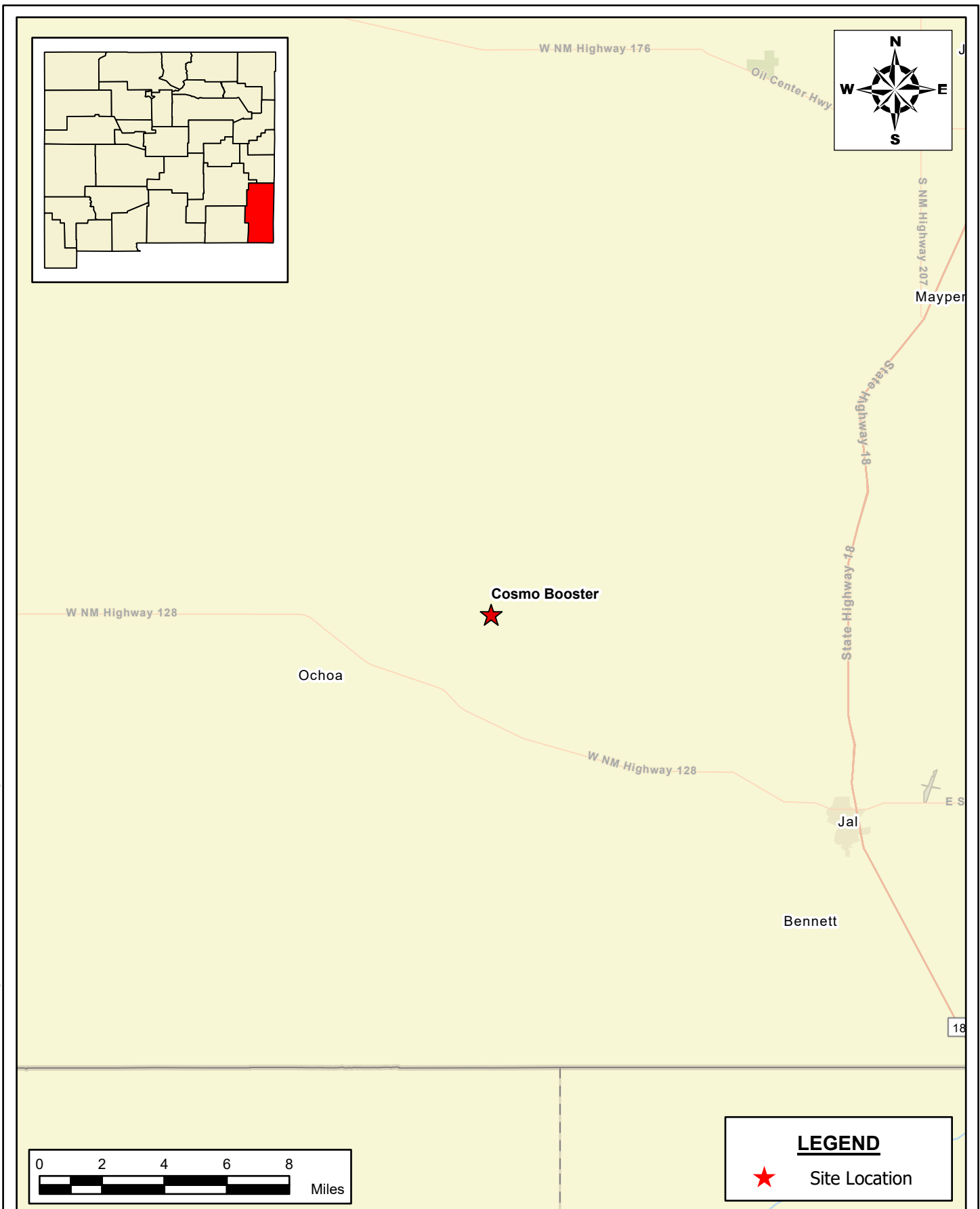


Conner Moehring
Project Manager



Figures

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SITE LOCATION MAP
NGL ENERGY PARTNERS
COSMO BOOSTER
 LEA COUNTY, NEW MEXICO
 32.210614, -103.360991

SCALE: As Shown Date: 12/29/2021 PROJECT #: 214956

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

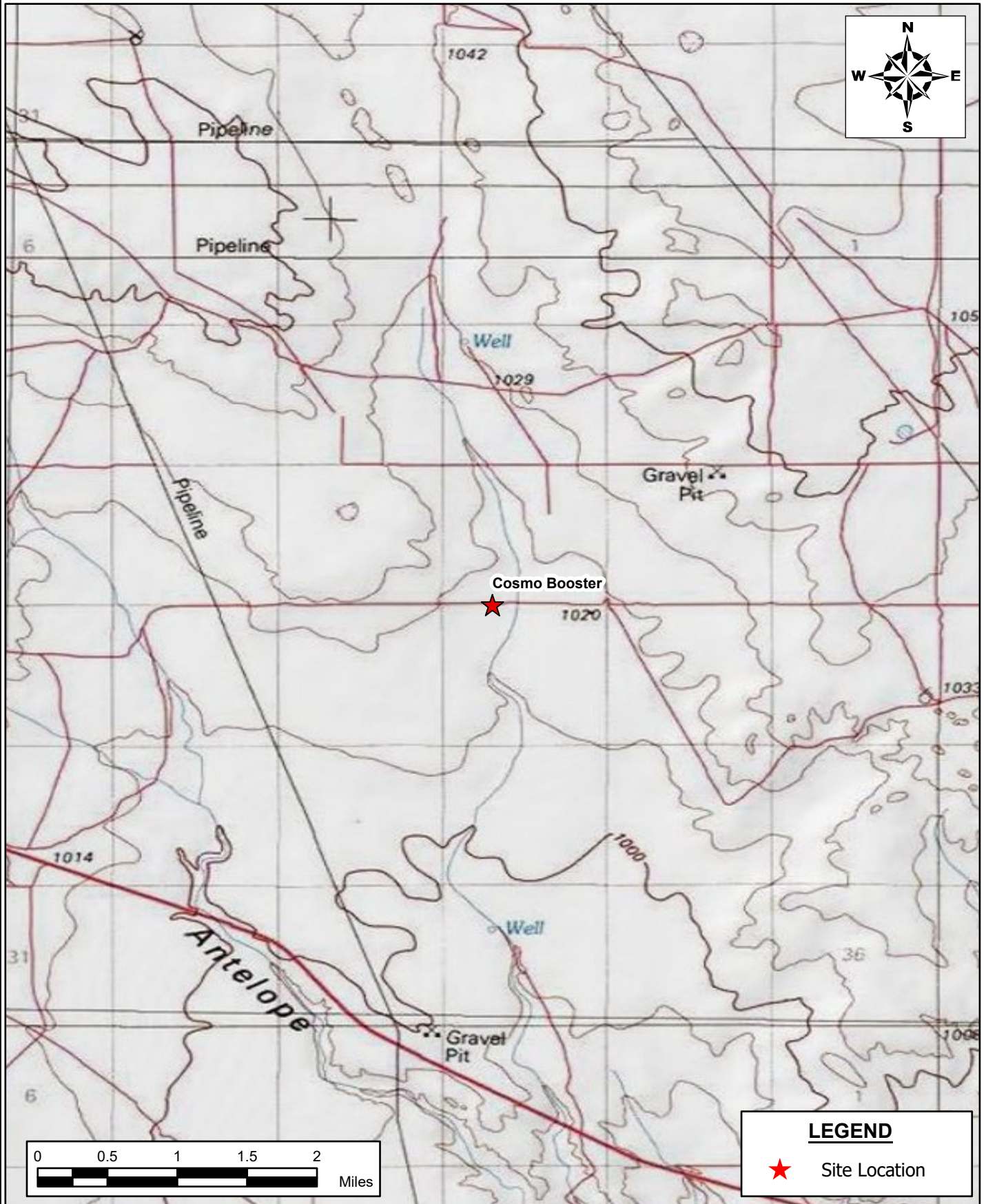
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FIGURE 1

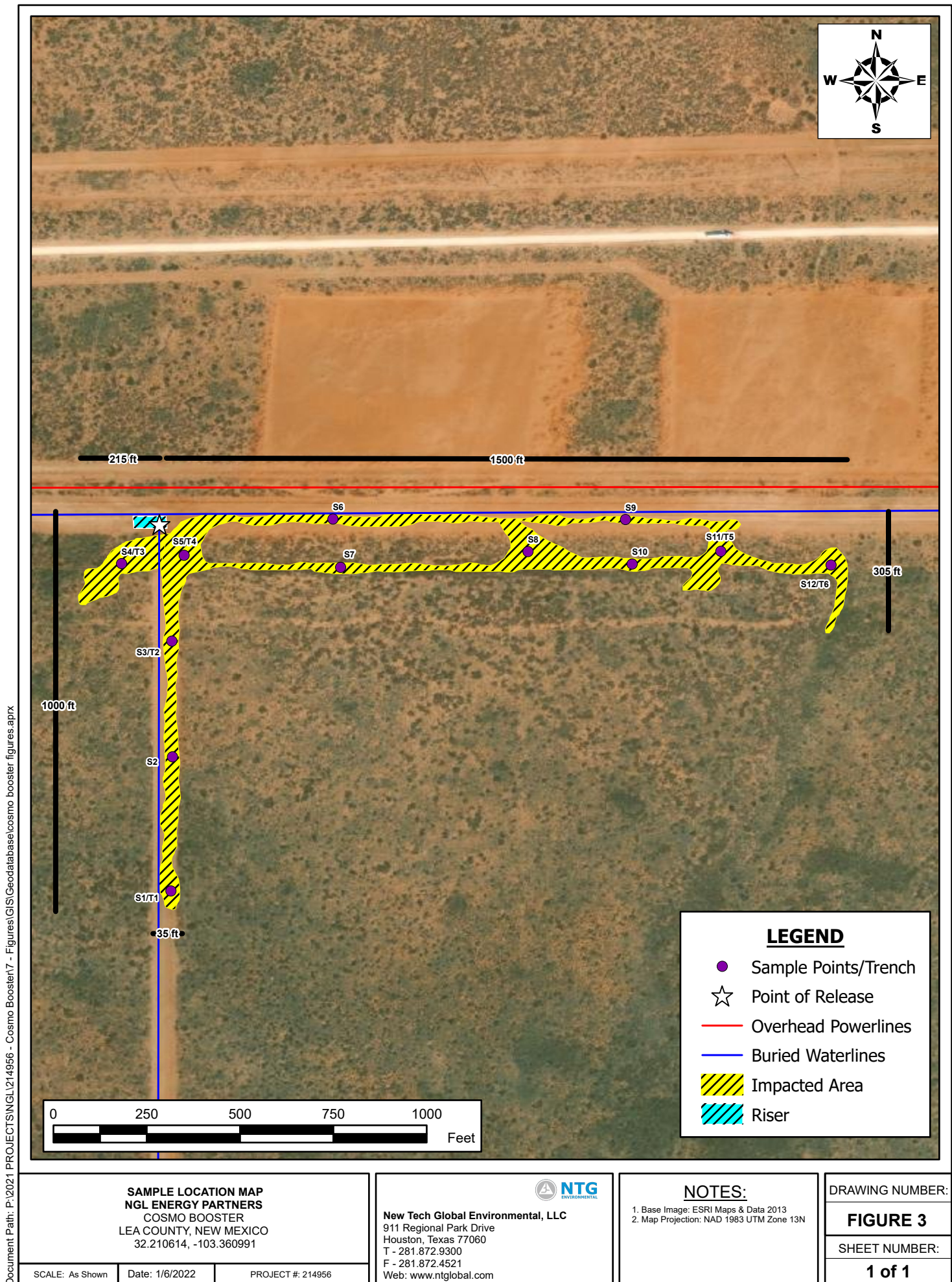
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1 of 1

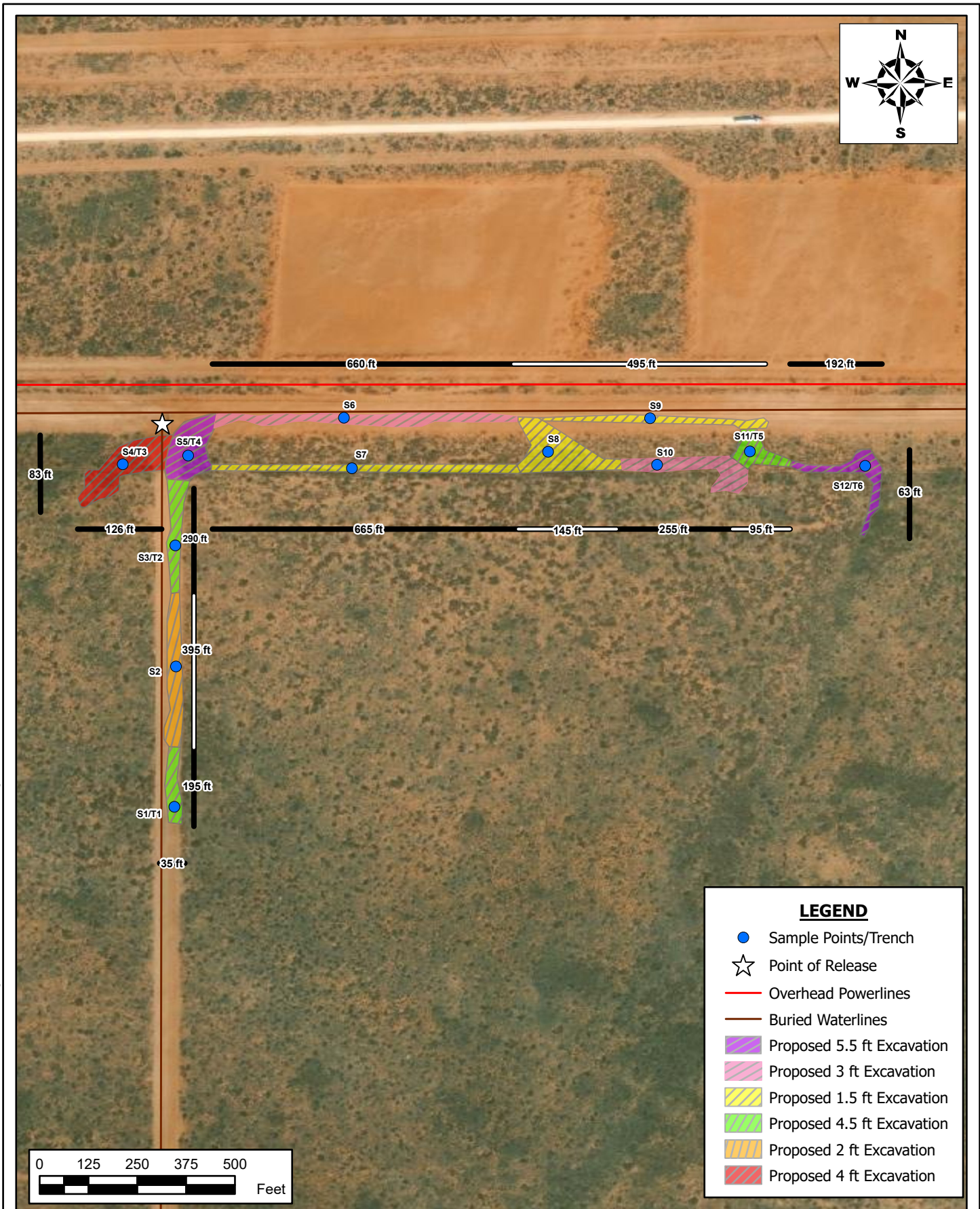
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AREA MAP NGL ENERGY PARTNERS COSMO BOOSTER LEA COUNTY, NEW MEXICO 32.210614, -103.360991	 New Tech Global Environmental, LLC 911 Regional Park Drive Houston, Texas 77060 T - 281.872.9300 F - 281.872.4521 Web: www.ntglobal.com	NOTES: 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983 UTM Zone 13N	DRAWING NUMBER: FIGURE 2 SHEET NUMBER: 1 of 1
SCALE: As Shown Date: 12/29/2021 PROJECT #: 214956			



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Tables

Table 1
NGL Energy Partners
Cosmo Booster
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	12/3/2021	0-1'	<49.9	68.1	<49.9	68.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	526
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	641
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,090
T-1	12/21/2021	0-1	<49.9	441	<49.9	441	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	3,440
	"	1	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	2,100
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	4,790
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,250
	"	4	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,390
	"	5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	56.1
S-2	12/3/2021	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	253
	"	1-1.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,290
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	79.1
	"	3-3.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	28.4
S-3	12/3/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	532
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,470
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,320
T-2	12/21/2021	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,390
	"	1	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,730
	"	2	50.5	<50.0	<50.0	50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,570
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	1,080
	"	4	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	616
	"	5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	370
S-4	12/3/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	11.5
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8.09
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	9.33
	"	3-3.5'	<50.0	401	<50.0	401	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	7.77
T-3	12/21/2021	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.4
	"	1	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	6.60
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.99
	"	3	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	9.68
	"	4	<49.9	<49.9	<49.9	<49.9	0.00389	<0.00200	0.0109	<0.00399	0.0148	5.54
S-5	12/3/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	69.6
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	58.7
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	74.5
	"	3-3.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	226
	"	4-4.5'	493	<49.9	<49.9	493	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	524
T-4	12/21/2021	0-1	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	658
	"	1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	102
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	13.7
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	45.9
	"	4	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	218
	"	5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	107
	"	6	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	370

Table 1
NGL Energy Partners
Cosmo Booster
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-6	12/3/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,640
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,200
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	618
	"	3-3.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	0.00204	<0.00402	<0.00402	261
	"	4-4.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	116
S-7	12/3/2021	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	701
	"	1-1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	106
	"	2-2.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	448
	"	3-3.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	375
S-8	12/3/2021	0-1'	<49.8	<49.8	<49.8	<49.8	0.0127	<0.00202	0.00575	0.0350	0.0534	1,090
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	154
	"	2-2.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	142
	"	3-3.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	124
S-9	12/3/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	2,430
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	568
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	382
S-10	12/3/2021	0-1'	<50.0	494	52.6	547	<0.00199	<0.00199	<0.00199	0.0212	0.0212	3,660
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,050
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	964
	"	3-3.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	61.8
S-11	12/3/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	471
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	139
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	1,250
	"	3-3.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,420
T-5	12/21/2021	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,170
	"	1	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,560
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,270
	"	3	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	4,930
	"	4	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,450
	"	5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	47.7
	"	6	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.7
S-12	12/3/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	3,160
	"	1-1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	598
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,950
	"	3-3.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,120
T-6	12/21/2021	0-1	<50.0	<50.0	<50.0	<50.0	0.00201	0.00428	<0.00199	<0.00398	0.00899	2,600
	"	1	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,630
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,030
	"	3	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	1,210
	"	4	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,210
	"	5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,050
	"	6	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	21.4

Table 1
NGL Energy Partners
Cosmo Booster
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	12/3/2021	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	7.51
H-2	12/3/2021	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.97
H-3	12/3/2021	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<4.95
H-4	12/3/2021	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5.38
H-5	12/3/2021	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	6.23
H-6	12/3/2021	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.96
H-7	12/3/2021	0-0.5'	<50.0	95.0	<50.0	95.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<5.04
H-8	12/3/2021	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<4.98
H-9	12/3/2021	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<4.95
H-10	12/3/2021	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<5.01
Regulatory Limits						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

 Exceeds Regulatory Limits



Photo Log

PHOTOGRAPHIC LOG

NGL Energy Partners, LLC

Photograph No. 1

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View South, area of Sample Points (1-3), and Trenches (1-2).



Photograph No. 2

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View Southwest, area of Sample Point (4), and Trench (3).



Photograph No. 3

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View Southwest, area of Sample Point (5), and Trench (4).



PHOTOGRAPHIC LOG

NGL Energy Partners, LLC

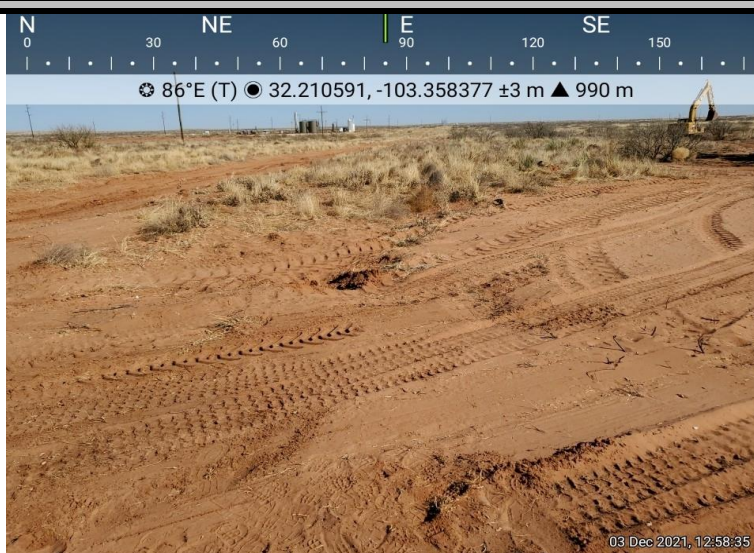
Photograph No. 4

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View East, area of Sample Point (6).



Photograph No. 5

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View West, area of Sample Point (7).



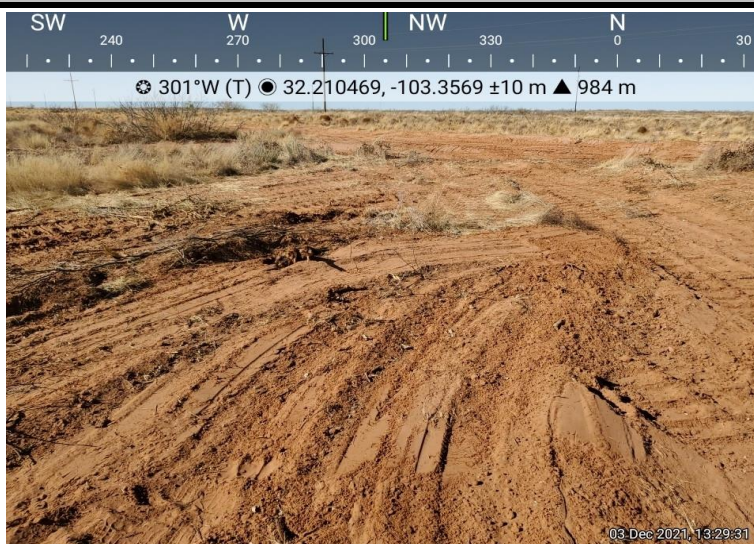
Photograph No. 5

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View West, area of Sample Point (8).



PHOTOGRAPHIC LOG

NGL Energy Partners, LLC

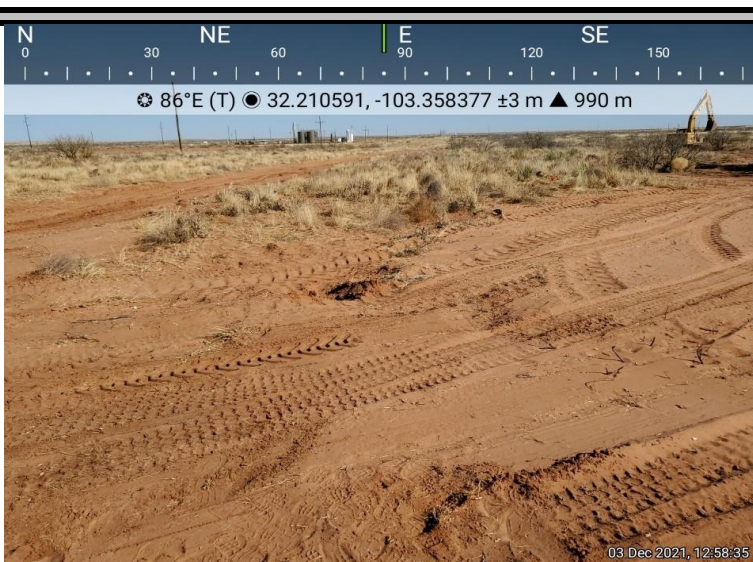
Photograph No. 6

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View East, area of Sample Point (9).



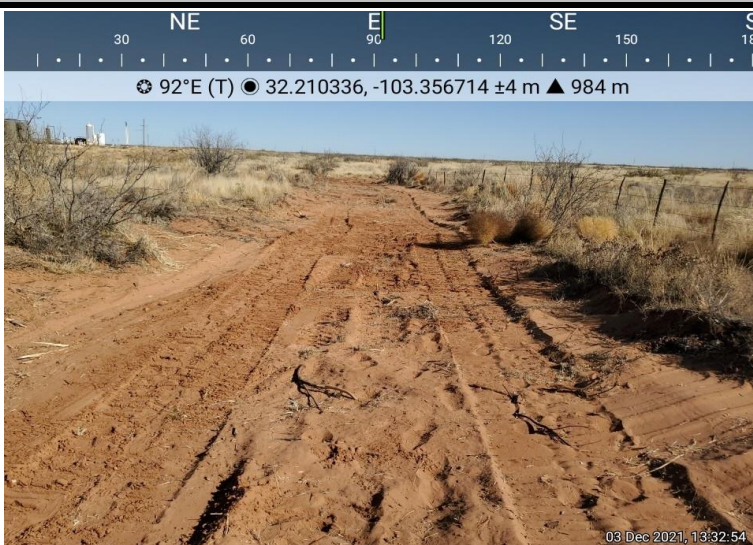
Photograph No. 7

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View East, area of Sample Point (10).



Photograph No. 8

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View North, area of Sample Point (11), and Trench (5).



PHOTOGRAPHIC LOG

NGL Energy Partners, LLC

Photograph No. 10

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View South, area of Sample Point (12), and Trench (6).



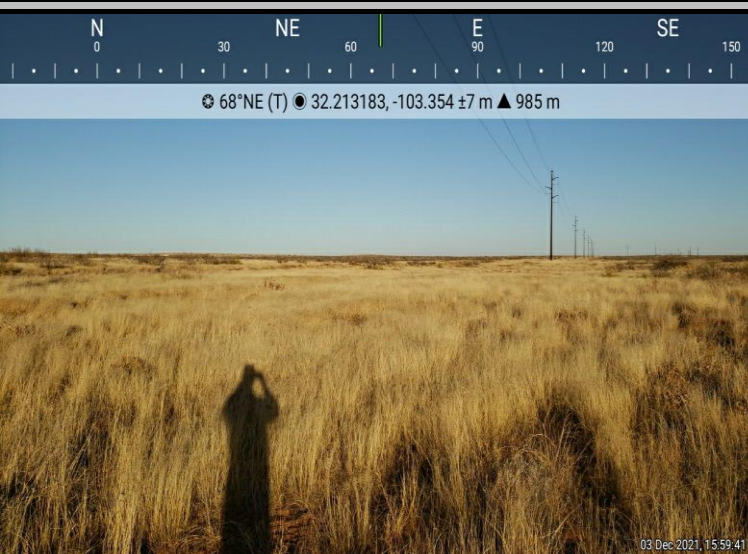
Photograph No. 7

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

Groundwater Well 0.40 miles Northeast of the site in S15, T24S, R35E and drilled in 1976. View Northeast



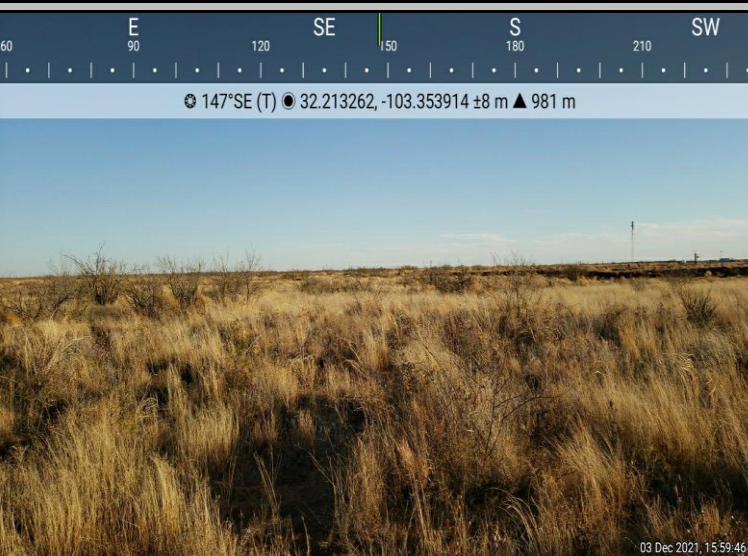
Photograph No. 8

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

Groundwater Well 0.40 miles Northeast of the site in S15, T24S, R35E and drilled in 1976. View Southeast





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	nAPP2132634860
District RP	
Facility ID	
Application ID	62929

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) nAPP2132634860
Contact mailing address 865 North Albion Street, Suite 400, Denver, CO 80220	

Location of Release Source

Latitude 32.21070 Longitude -103.36090
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Cosmo	Site Type Transfer Station for Tap Rock
Date Release Discovered 11-21-2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
O	15	24S	35E	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) 800	Volume Recovered (bbls) 250
	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

At approximately 1:30pm, Cosmo transfer booster for unknown reasons caught fire resulting in the release. Jal fire department responded on the scene, extinguishing the fire with foam and water. Remediation began immediately following once the location was secure and safe.

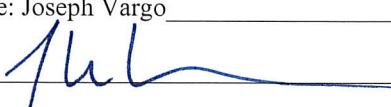
State of New Mexico
Oil Conservation Division

Incident ID	nAPP2132634860
District RP	
Facility ID	
Application ID	62929

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 <u>not</u> 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
<u>OCD Only</u>	
Received by: _____	Date: _____

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.

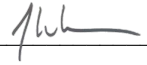
State of New Mexico
Oil Conservation Division

Page 4

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: _____

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: _____

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

 0.40 Miles

 0.50 Mile Radius

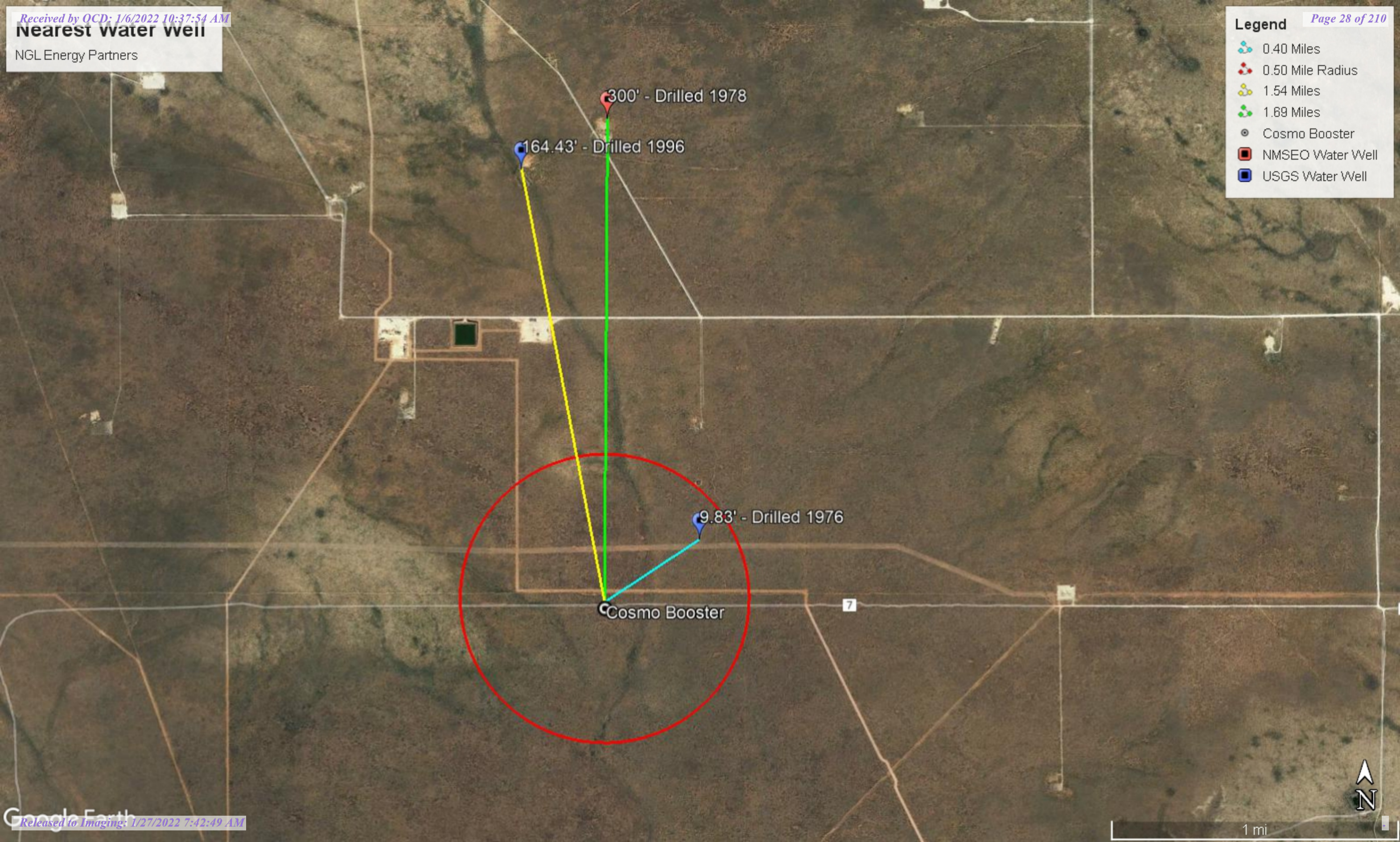
 1.54 Miles

 1.69 Miles

 Cosmo Booster

 NMSEO Water Well

 USGS Water Well

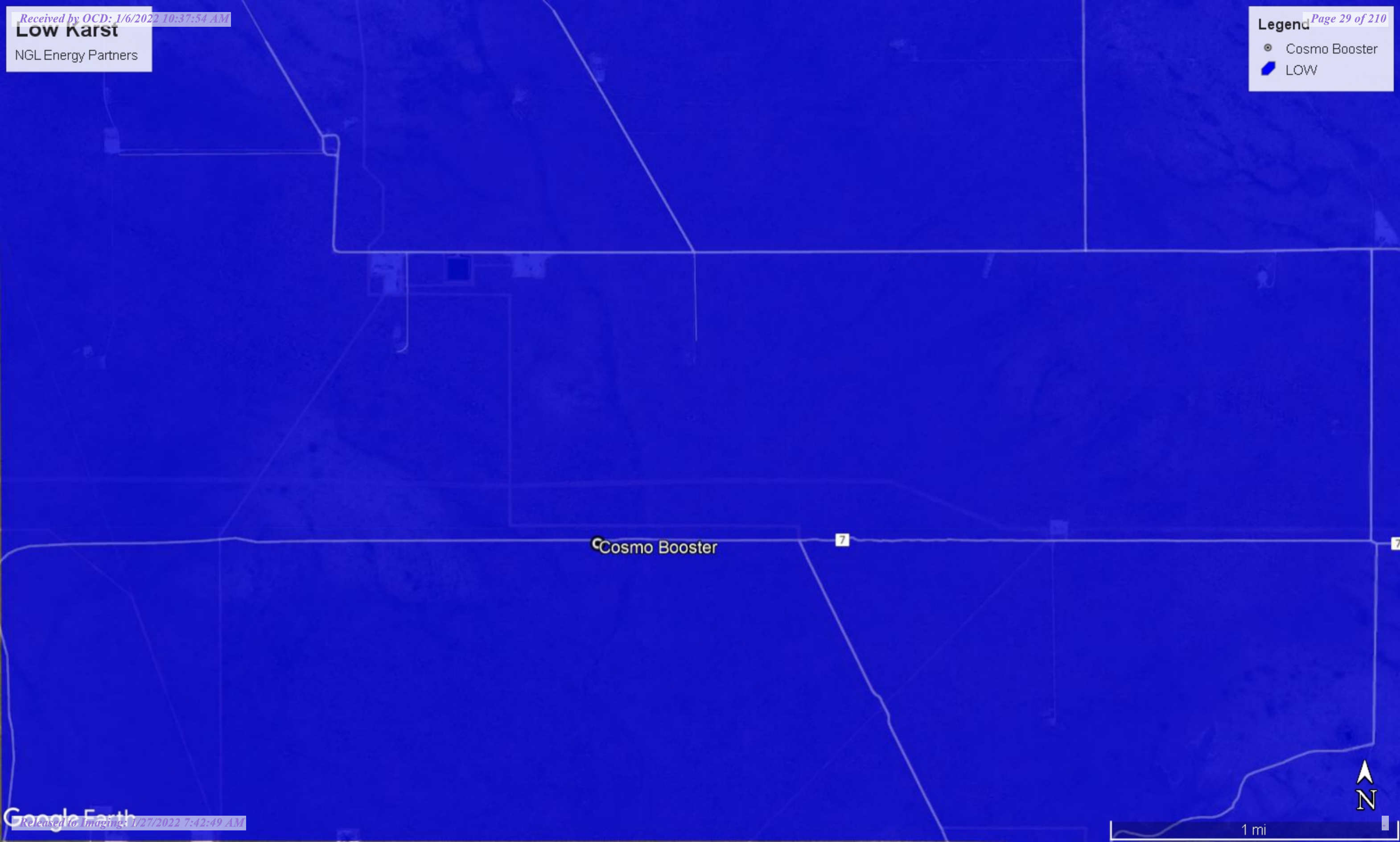


Low Karst

NGL Energy Partners

Legend

-  Cosmo Booster
-  LOW





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00845 POD1	CP	LE		1	3	10	24S	35E		654360	3567130*	2417	190		
CP 01513 POD1	CP	LE		3	3	1	10	24S	35E	654184	3567350	2572	186		
CP 00573	CP	LE		1	4	1	10	24S	35E	654657	3567638*	2999	405	300	105
CP 00366 POD1	CP	LE		4	1	1	10	24S	35E	654447	3567834*	3110	1250		
CP 01119 POD2	CP	LE			4	23	24S	35E		657210	3564007	3809	1572		

Average Depth to Water: **300 feet**

Minimum Depth: **300 feet**

Maximum Depth: **300 feet**

Record Count: 5

UTM NAD83 Radius Search (in meters):

Easting (X): 653500.36

Northing (Y): 3564870.91

Radius: 4000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

12/3/21 8:02 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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[USGS Water Resources](#)

Data Category:

Groundwater

Geographic Area:

New Mexico

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- [Full News](#)

Groundwater levels for New Mexico

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state-specific text

Important:

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Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 321249103211101

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 321249103211101 24S.35E.15.234

Lea County, New Mexico
Latitude 32°12'49", Longitude 103°21'11" NAD27
Land-surface elevation 3,346 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national 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 measur
1968-06-12		D	62610		3343.04	NGVD29	1	Z		
1968-06-12		D	62611		3344.55	NAVD88	1	Z		
1968-06-12		D	72019	1.45			1	Z		
1970-12-09		D	62610		3338.22	NGVD29	1	Z		
1970-12-09		D	62611		3339.73	NAVD88	1	Z		
1970-12-09		D	72019	6.27			1	Z		
1976-01-16		D	62610		3334.66	NGVD29	1	Z		
1976-01-16		D	62611		3336.17	NAVD88	1	Z		
1976-01-16		D	72019	9.83			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

Released to Imaging: 1/27/2022 7:42:49 AM

Section	Code	Description
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
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.

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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: 2021-12-03 10:12:55 EST

0.36 0.25 nadww01



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Data Category:

Groundwater

▼

Geographic Area:

New Mexico

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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 =

- 321335103214901

Minimum number of levels = 1

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USGS 321335103214901 24S.35E.10.13333

Lea County, New Mexico

Latitude 32°13'56", Longitude 103°21'49" NAD27

Land-surface elevation 3,360.10 feet above NGVD29

The depth of the well is 190 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) 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
1965-10-21			D 62610		3200.93	NGVD29	1	Z		
1965-10-21			D 62611		3202.48	NAVD88	1	Z		
1965-10-21			D 72019	159.17			1	Z		
1968-06-12			D 62610		3202.28	NGVD29	1	Z		
1968-06-12			D 62611		3203.83	NAVD88	1	Z		
1968-06-12			D 72019	157.82			1	Z		
1970-12-09			D 62610		3201.31	NGVD29	1	Z		
1970-12-09			D 62611		3202.86	NAVD88	1	Z		
1970-12-09			D 72019	158.79			1	Z		
1976-01-15			D 62610		3203.75	NGVD29	1	Z		
1976-01-15			D 62611		3205.30	NAVD88	1	Z		
1976-01-15			D 72019	156.35			1	Z		
1981-03-19			D 62610		3197.14	NGVD29	1	Z		
1981-03-19			D 62611		3198.69	NAVD88	1	Z		

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 measurement
1981-03-19		D	72019	162.96			1	Z		
1986-03-07		D	62610		3198.41	NGVD29	1	Z		
1986-03-07		D	62611		3199.96	NAVD88	1	Z		
1986-03-07		D	72019	161.69			1	Z		
1991-05-23		D	62610		3195.95	NGVD29	1	Z		
1991-05-23		D	62611		3197.50	NAVD88	1	Z		
1991-05-23		D	72019	164.15			1	Z		
1996-03-07		D	62610		3195.67	NGVD29	1	S		
1996-03-07		D	62611		3197.22	NAVD88	1	S		
1996-03-07		D	72019	164.43			1	S		

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
Method of measurement	S	Steel-tape measurement.
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.

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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: 2021-12-03 10:24:01 EST

0.28 0.24 nadww02



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
CP	00573	1	4	1	10	24S	35E	654657	3567638* 

Driller License:	46	Driller Company:	ABBOTT BROTHERS COMPANY						
Driller Name:	ABBOTT, MURRELL								
Drill Start Date:	09/28/1978	Drill Finish Date:	10/12/1978			Plug Date:	11/01/1978		
Log File Date:	10/19/1978	PCW Rev Date:					Source:	Shallow	
Pump Type:		Pipe Discharge Size:					Estimated Yield:	20 GPM	
Casing Size:	5.50	Depth Well:	405 feet			Depth Water:	300 feet		

Water Bearing Stratifications:			Top	Bottom	Description
			300	405	Sandstone/Gravel/Conglomerate

Casing Perforations:			Top	Bottom
			355	405

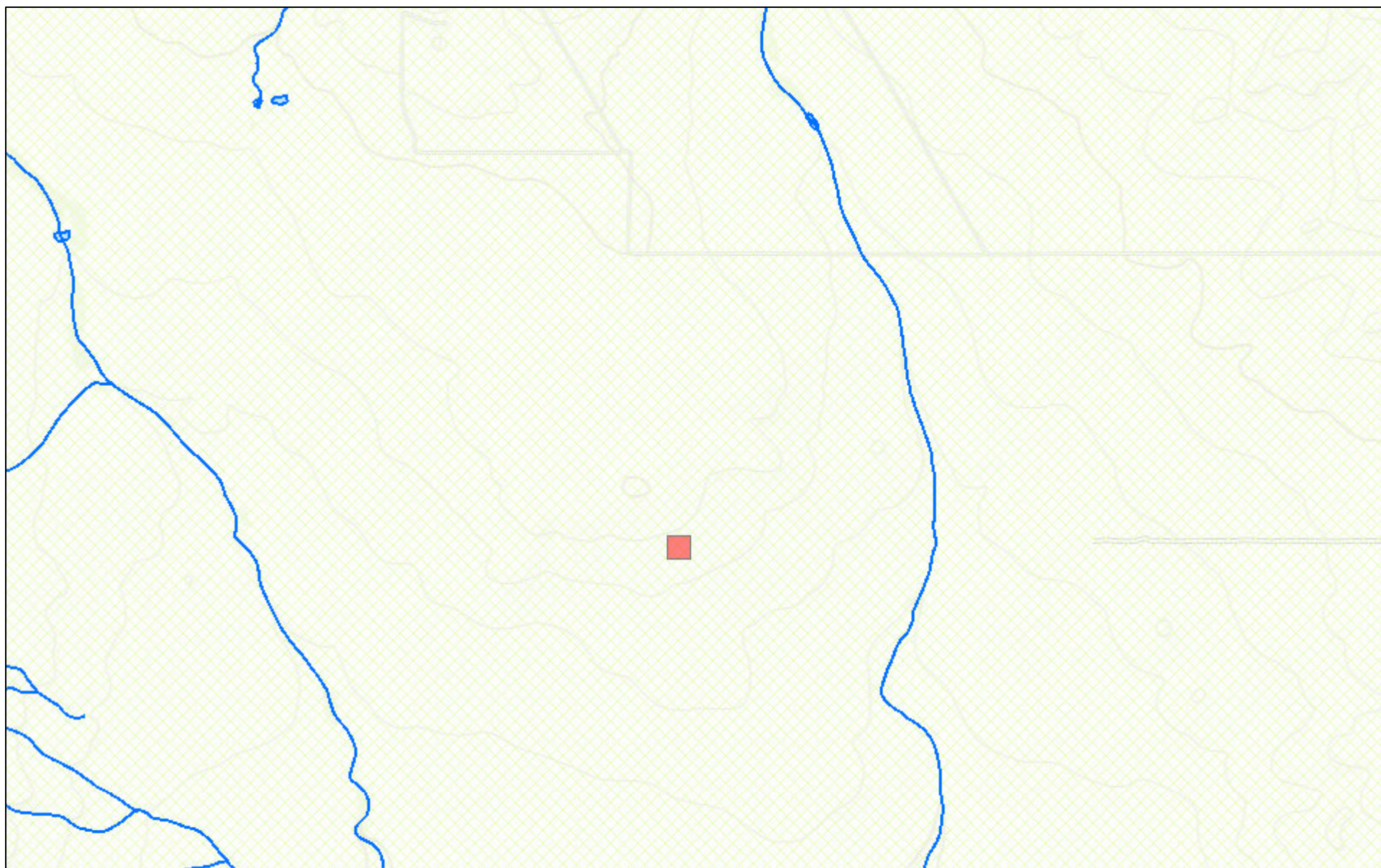
*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

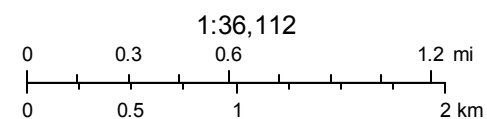
12/3/21 8:03 AM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



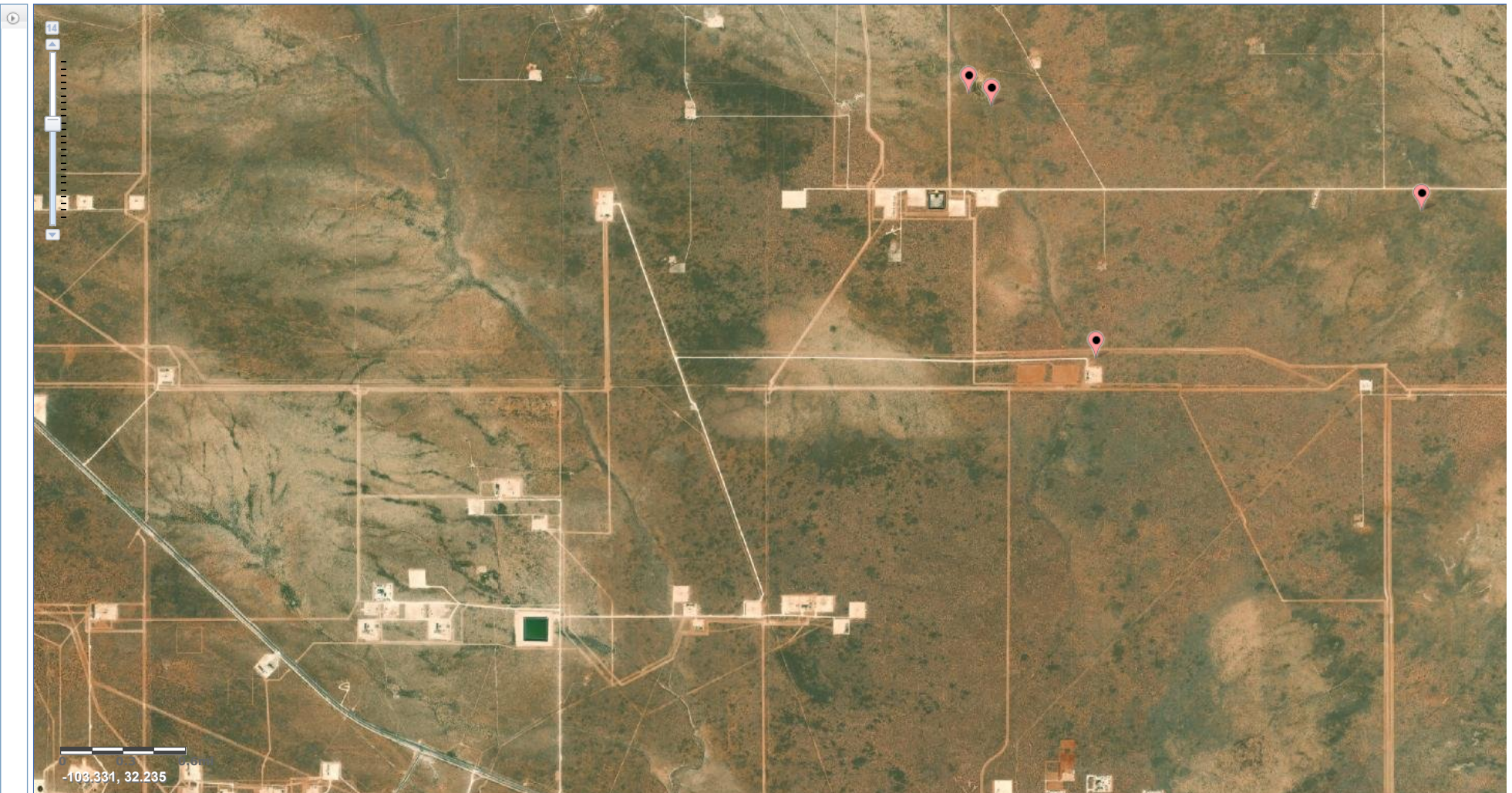
December 3, 2021



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



National Water Information System: Mapper



Site Information



Appendix C



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-8956-1

Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Cosmo Booster

For:

NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

Authorized for release by:

12/9/2021 4:12:00 PM

Brianna Teel, Project Manager
(432)704-5440

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Designee for

Jessica Kramer, Project Manager
(432)704-5440

jessica.kramer@eurofinset.com

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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: Cosmo Booster

Laboratory Job ID: 880-8956-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Job ID: 880-8956-1**Laboratory: Eurofins Xenco, Midland****Narrative****Job Narrative
880-8956-1****Receipt**

The samples were received on 12/6/2021 8:15 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 1.9°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-2 (1-1.5') (880-8956-5), S-4 (0-1') (880-8956-11) and S-5 (0-1') (880-8956-15). 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 880-14077 and analytical batch 880-14140 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

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-14044 and analytical batch 880-14300 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8956-1

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F2 F1	0.00199		mg/Kg		12/06/21 09:08	12/06/21 14:10	1
Toluene	<0.00199	U F2 F1	0.00199		mg/Kg		12/06/21 09:08	12/06/21 14:10	1
Ethylbenzene	<0.00199	U F2 F1	0.00199		mg/Kg		12/06/21 09:08	12/06/21 14:10	1
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.00398		mg/Kg		12/06/21 09:08	12/06/21 14:10	1
o-Xylene	<0.00199	U F2 F1	0.00199		mg/Kg		12/06/21 09:08	12/06/21 14:10	1
Xylenes, Total	<0.00398	U F2 F1	0.00398		mg/Kg		12/06/21 09:08	12/06/21 14:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	12/06/21 09:08	12/06/21 14:10	1
1,4-Difluorobenzene (Surr)	77		70 - 130	12/06/21 09:08	12/06/21 14:10	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			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	68.1		49.9		mg/Kg			12/09/21 14:45	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		12/07/21 08:55	12/07/21 23:12	1
Diesel Range Organics (Over C10-C28)	68.1		49.9		mg/Kg		12/07/21 08:55	12/07/21 23:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/07/21 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	12/07/21 08:55	12/07/21 23:12	1
o-Terphenyl	105		70 - 130	12/07/21 08:55	12/07/21 23:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	526		4.97		mg/Kg			12/08/21 19:21	1

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

Lab Sample ID: 880-8956-2

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:08	12/06/21 14:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 14:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 14:36	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/06/21 09:08	12/06/21 14:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 14:36	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/06/21 09:08	12/06/21 14:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	12/06/21 09:08	12/06/21 14:36	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/06/21 09:08	12/06/21 14:36	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8956-2

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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			12/07/21 09:36	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			12/09/21 14:45	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		12/07/21 08:55	12/08/21 00:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 00:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 00:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				12/07/21 08:55	12/08/21 00:20	1
o-Terphenyl	105		70 - 130				12/07/21 08:55	12/08/21 00:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	641		5.00		mg/Kg			12/08/21 19:54	1

Client Sample ID: S-1 (2-2.5')

Lab Sample ID: 880-8956-3

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:08	12/06/21 15:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 15:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 15:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 15:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 15:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 15:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				12/06/21 09:08	12/06/21 15:02	1
1,4-Difluorobenzene (Surr)	109		70 - 130				12/06/21 09:08	12/06/21 15:02	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			12/07/21 09:36	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			12/09/21 14:45	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		12/07/21 08:55	12/08/21 00:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 00:43	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-1 (2-2.5')

Lab Sample ID: 880-8956-3

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 00:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				12/07/21 08:55	12/08/21 00:43	1
o-Terphenyl	95		70 - 130				12/07/21 08:55	12/08/21 00:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		5.00		mg/Kg			12/08/21 20:03	1

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

Lab Sample ID: 880-8956-4

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:08	12/06/21 15:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 15:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 15:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 15:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 15:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 15:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				12/06/21 09:08	12/06/21 15:28	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/06/21 09:08	12/06/21 15:28	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			12/07/21 09:36	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			12/09/21 14:45	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		12/07/21 08:55	12/08/21 01:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 01:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 01:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				12/07/21 08:55	12/08/21 01:06	1
o-Terphenyl	93		70 - 130				12/07/21 08:55	12/08/21 01:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	253		5.03		mg/Kg			12/09/21 08:26	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8956-5

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:08	12/06/21 15:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 15:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 15:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/06/21 09:08	12/06/21 15:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 15:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/06/21 09:08	12/06/21 15:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	12/06/21 09:08	12/06/21 15:54	1
1,4-Difluorobenzene (Surr)	128		70 - 130	12/06/21 09:08	12/06/21 15:54	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			12/07/21 09:36	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			12/09/21 14:45	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		12/07/21 08:55	12/08/21 01:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/07/21 08:55	12/08/21 01:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/07/21 08:55	12/08/21 01:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	12/07/21 08:55	12/08/21 01:29	1
o-Terphenyl	100		70 - 130	12/07/21 08:55	12/08/21 01:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1290		5.04		mg/Kg			12/09/21 08:34	1

Client Sample ID: S-2 (2-2.5')

Lab Sample ID: 880-8956-6

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:08	12/06/21 16:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:08	12/06/21 16:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:08	12/06/21 16:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/06/21 09:08	12/06/21 16:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:08	12/06/21 16:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/06/21 09:08	12/06/21 16:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	12/06/21 09:08	12/06/21 16:20	1
1,4-Difluorobenzene (Surr)	117		70 - 130	12/06/21 09:08	12/06/21 16:20	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-2 (2-2.5')

Lab Sample ID: 880-8956-6

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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			12/07/21 09:36	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			12/09/21 14:45	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		12/07/21 08:55	12/08/21 01:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 01:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 01:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				12/07/21 08:55	12/08/21 01:53	1
o-Terphenyl	82		70 - 130				12/07/21 08:55	12/08/21 01:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.1		4.98		mg/Kg			12/09/21 09:00	1

Client Sample ID: S-2 (3-3.5')

Lab Sample ID: 880-8956-7

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:08	12/06/21 16:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:08	12/06/21 16:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:08	12/06/21 16:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/06/21 09:08	12/06/21 16:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:08	12/06/21 16:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/06/21 09:08	12/06/21 16:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				12/06/21 09:08	12/06/21 16:46	1
1,4-Difluorobenzene (Surr)	113		70 - 130				12/06/21 09:08	12/06/21 16:46	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			12/07/21 09:36	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			12/09/21 14:45	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		12/07/21 08:55	12/08/21 02:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/07/21 08:55	12/08/21 02:16	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-2 (3-3.5')

Lab Sample ID: 880-8956-7

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/07/21 08:55	12/08/21 02:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				12/07/21 08:55	12/08/21 02:16	1
o-Terphenyl	88		70 - 130				12/07/21 08:55	12/08/21 02:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.4		5.04		mg/Kg			12/09/21 09:32	1

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

Lab Sample ID: 880-8956-8

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:08	12/06/21 17:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 17:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 17:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 17:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 17:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 17:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				12/06/21 09:08	12/06/21 17:13	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/06/21 09:08	12/06/21 17:13	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			12/07/21 09:36	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			12/09/21 14:45	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		12/07/21 08:55	12/08/21 02:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 02:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 02:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				12/07/21 08:55	12/08/21 02:39	1
o-Terphenyl	95		70 - 130				12/07/21 08:55	12/08/21 02:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	532		4.99		mg/Kg			12/09/21 09:43	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8956-9

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:08	12/06/21 17:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 17:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 17:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 17:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 17:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	12/06/21 09:08	12/06/21 17:39	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/06/21 09:08	12/06/21 17:39	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			12/07/21 09:36	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			12/09/21 14:45	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		12/07/21 08:55	12/08/21 03:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 03:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 03:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	12/07/21 08:55	12/08/21 03:03	1
o-Terphenyl	78		70 - 130	12/07/21 08:55	12/08/21 03:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4470		25.0		mg/Kg			12/09/21 09:54	5

Client Sample ID: S-3 (2-2.5')

Lab Sample ID: 880-8956-10

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:08	12/06/21 18:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 18:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 18:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/06/21 09:08	12/06/21 18:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 18:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/06/21 09:08	12/06/21 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	12/06/21 09:08	12/06/21 18:05	1
1,4-Difluorobenzene (Surr)	104		70 - 130	12/06/21 09:08	12/06/21 18:05	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-3 (2-2.5')

Lab Sample ID: 880-8956-10

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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			12/07/21 09:36	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			12/09/21 14:45	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		12/07/21 08:55	12/08/21 03:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 03:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				12/07/21 08:55	12/08/21 03:26	1
o-Terphenyl	78		70 - 130				12/07/21 08:55	12/08/21 03:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1320		4.95		mg/Kg			12/09/21 10:05	1

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

Lab Sample ID: 880-8956-11

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:08	12/06/21 19:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/06/21 09:08	12/06/21 19:50	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/06/21 09:08	12/06/21 19:50	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		12/06/21 09:08	12/06/21 19:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/06/21 09:08	12/06/21 19:50	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		12/06/21 09:08	12/06/21 19:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130				12/06/21 09:08	12/06/21 19:50	1
1,4-Difluorobenzene (Surr)	90		70 - 130				12/06/21 09:08	12/06/21 19:50	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			12/07/21 09:36	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			12/09/21 14:45	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		12/07/21 08:55	12/08/21 04:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 04:13	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8956-11

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 04:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				12/07/21 08:55	12/08/21 04:13	1
o-Terphenyl	91		70 - 130				12/07/21 08:55	12/08/21 04:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.5		5.02		mg/Kg			12/09/21 10:38	1

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

Lab Sample ID: 880-8956-12

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:08	12/06/21 20:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 20:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 20:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 20:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 20:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 20:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				12/06/21 09:08	12/06/21 20:17	1
1,4-Difluorobenzene (Surr)	108		70 - 130				12/06/21 09:08	12/06/21 20:17	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			12/07/21 09:36	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			12/09/21 14:45	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		12/07/21 08:55	12/08/21 04:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 04:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 04:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				12/07/21 08:55	12/08/21 04:36	1
o-Terphenyl	89		70 - 130				12/07/21 08:55	12/08/21 04:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.09		4.97		mg/Kg			12/09/21 10:49	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-4 (2-2.5')

Lab Sample ID: 880-8956-13

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:08	12/06/21 20:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 20:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 20:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/06/21 09:08	12/06/21 20:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 20:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/06/21 09:08	12/06/21 20:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	12/06/21 09:08	12/06/21 20:44	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/06/21 09:08	12/06/21 20:44	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			12/07/21 09:36	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			12/09/21 14:45	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		12/07/21 08:55	12/08/21 05:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 05:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 05:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	12/07/21 08:55	12/08/21 05:00	1
o-Terphenyl	90		70 - 130	12/07/21 08:55	12/08/21 05:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.33		4.95		mg/Kg			12/09/21 11:00	1

Client Sample ID: S-4 (3-3.5')

Lab Sample ID: 880-8956-14

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:08	12/06/21 21:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 21:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 21:11	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/06/21 09:08	12/06/21 21:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 21:11	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/06/21 09:08	12/06/21 21:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	12/06/21 09:08	12/06/21 21:11	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/06/21 09:08	12/06/21 21:11	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-4 (3-3.5')

Lab Sample ID: 880-8956-14

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	401		50.0		mg/Kg			12/09/21 14:45	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		12/07/21 13:23	12/08/21 06:54	1
Diesel Range Organics (Over C10-C28)	401		50.0		mg/Kg		12/07/21 13:23	12/08/21 06:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 13:23	12/08/21 06:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				12/07/21 13:23	12/08/21 06:54	1
o-Terphenyl	89		70 - 130				12/07/21 13:23	12/08/21 06:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.77		4.99		mg/Kg			12/09/21 11:11	1

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

Lab Sample ID: 880-8956-15

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:08	12/06/21 21:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:08	12/06/21 21:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:08	12/06/21 21:38	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/06/21 09:08	12/06/21 21:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:08	12/06/21 21:38	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/06/21 09:08	12/06/21 21:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	191	S1+	70 - 130				12/06/21 09:08	12/06/21 21:38	1
1,4-Difluorobenzene (Surr)	89		70 - 130				12/06/21 09:08	12/06/21 21:38	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			12/07/21 09:36	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			12/09/21 14:45	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		12/07/21 08:55	12/08/21 05:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 05:24	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8956-15

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 05:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				12/07/21 08:55	12/08/21 05:24	1
o-Terphenyl	88		70 - 130				12/07/21 08:55	12/08/21 05:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.6		5.00		mg/Kg			12/09/21 11:21	1

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

Lab Sample ID: 880-8956-16

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:08	12/06/21 22:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:08	12/06/21 22:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:08	12/06/21 22:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/06/21 09:08	12/06/21 22:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:08	12/06/21 22:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/06/21 09:08	12/06/21 22:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				12/06/21 09:08	12/06/21 22:05	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/06/21 09:08	12/06/21 22:05	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			12/07/21 09:36	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			12/09/21 14:45	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		12/07/21 08:55	12/08/21 05:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 05:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 05:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				12/07/21 08:55	12/08/21 05:46	1
o-Terphenyl	91		70 - 130				12/07/21 08:55	12/08/21 05:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.7		4.96		mg/Kg			12/09/21 11:32	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-5 (2-2.5')

Lab Sample ID: 880-8956-17

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:08	12/06/21 22:32	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:08	12/06/21 22:32	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:08	12/06/21 22:32	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/06/21 09:08	12/06/21 22:32	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:08	12/06/21 22:32	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/06/21 09:08	12/06/21 22:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/06/21 09:08	12/06/21 22:32	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/06/21 09:08	12/06/21 22:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/07/21 09:36	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			12/09/21 14:45	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		12/07/21 08:55	12/08/21 06:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 06:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 06:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	12/07/21 08:55	12/08/21 06:08	1
o-Terphenyl	86		70 - 130	12/07/21 08:55	12/08/21 06:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.5		5.04		mg/Kg			12/09/21 12:05	1

Client Sample ID: S-5 (3-3.5')

Lab Sample ID: 880-8956-18

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:08	12/06/21 22:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:08	12/06/21 22:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:08	12/06/21 22:58	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/06/21 09:08	12/06/21 22:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:08	12/06/21 22:58	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/06/21 09:08	12/06/21 22:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	12/06/21 09:08	12/06/21 22:58	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/06/21 09:08	12/06/21 22:58	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-5 (3-3.5')

Lab Sample ID: 880-8956-18

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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			12/07/21 09:36	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			12/09/21 14:45	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		12/07/21 08:55	12/08/21 06:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/07/21 08:55	12/08/21 06:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/07/21 08:55	12/08/21 06:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				12/07/21 08:55	12/08/21 06:31	1
o-Terphenyl	85		70 - 130				12/07/21 08:55	12/08/21 06:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	226		4.98		mg/Kg			12/09/21 12:16	1

Client Sample ID: S-5 (4-4.5')

Lab Sample ID: 880-8956-19

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:08	12/06/21 23:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 23:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 23:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/06/21 09:08	12/06/21 23:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 23:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/06/21 09:08	12/06/21 23:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				12/06/21 09:08	12/06/21 23:24	1
1,4-Difluorobenzene (Surr)	116		70 - 130				12/06/21 09:08	12/06/21 23:24	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	493		49.9		mg/Kg			12/09/21 14:45	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	493		49.9		mg/Kg		12/07/21 13:23	12/08/21 07:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 13:23	12/08/21 07:17	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-5 (4-4.5')

Lab Sample ID: 880-8956-19

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 13:23	12/08/21 07:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				12/07/21 13:23	12/08/21 07:17	1
o-Terphenyl	95		70 - 130				12/07/21 13:23	12/08/21 07:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	524		4.95		mg/Kg			12/09/21 12:49	1

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-8956-20

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:08	12/06/21 23:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 23:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 23:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 23:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 23:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 23:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130				12/06/21 09:08	12/06/21 23:50	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/06/21 09:08	12/06/21 23:50	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			12/07/21 09:36	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			12/09/21 14:45	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		12/07/21 08:55	12/08/21 06:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 06:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 06:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				12/07/21 08:55	12/08/21 06:54	1
o-Terphenyl	91		70 - 130				12/07/21 08:55	12/08/21 06:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2640		25.1		mg/Kg			12/09/21 13:00	5

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-6 (1-1.5')

Lab Sample ID: 880-8956-21

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		12/07/21 07:30	12/07/21 11:16	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		12/07/21 07:30	12/07/21 11:16	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		12/07/21 07:30	12/07/21 11:16	1
m-Xylene & p-Xylene	<0.00401	U F1	0.00401		mg/Kg		12/07/21 07:30	12/07/21 11:16	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		12/07/21 07:30	12/07/21 11:16	1
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		12/07/21 07:30	12/07/21 11:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	12/07/21 07:30	12/07/21 11:16	1
1,4-Difluorobenzene (Surr)	106		70 - 130	12/07/21 07:30	12/07/21 11:16	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			12/07/21 09:36	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			12/09/21 14:45	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		12/07/21 08:55	12/08/21 07:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 07:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 07:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	12/07/21 08:55	12/08/21 07:17	1
o-Terphenyl	92		70 - 130	12/07/21 08:55	12/08/21 07:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		4.97		mg/Kg			12/09/21 13:11	1

Client Sample ID: S-6 (2-2.5')

Lab Sample ID: 880-8956-22

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/07/21 07:30	12/07/21 11:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/07/21 07:30	12/07/21 11:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/07/21 07:30	12/07/21 11:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/07/21 07:30	12/07/21 11:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/07/21 07:30	12/07/21 11:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/07/21 07:30	12/07/21 11:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	12/07/21 07:30	12/07/21 11:36	1
1,4-Difluorobenzene (Surr)	108		70 - 130	12/07/21 07:30	12/07/21 11:36	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-6 (2-2.5')

Lab Sample ID: 880-8956-22

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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			12/07/21 09:36	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			12/09/21 14:45	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		12/07/21 08:55	12/08/21 07:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 07:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 07:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				12/07/21 08:55	12/08/21 07:40	1
o-Terphenyl	84		70 - 130				12/07/21 08:55	12/08/21 07:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	618		5.00		mg/Kg			12/09/21 13:22	1

Client Sample ID: S-6 (3-3.5')

Lab Sample ID: 880-8956-23

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/07/21 07:30	12/07/21 11:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/07/21 07:30	12/07/21 11:57	1
Ethylbenzene	0.00204		0.00201		mg/Kg		12/07/21 07:30	12/07/21 11:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/07/21 07:30	12/07/21 11:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/07/21 07:30	12/07/21 11:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/07/21 07:30	12/07/21 11:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				12/07/21 07:30	12/07/21 11:57	1
1,4-Difluorobenzene (Surr)	91		70 - 130				12/07/21 07:30	12/07/21 11:57	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			12/07/21 09:36	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			12/09/21 11:00	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		12/07/21 09:05	12/08/21 21:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/08/21 21:31	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-6 (3-3.5')

Lab Sample ID: 880-8956-23

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/08/21 21:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				12/07/21 09:05	12/08/21 21:31	1
o-Terphenyl	121		70 - 130				12/07/21 09:05	12/08/21 21:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	261		5.00		mg/Kg			12/09/21 13:33	1

Client Sample ID: S-6 (4-4.5')

Lab Sample ID: 880-8956-24

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/07/21 07:30	12/07/21 12:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 12:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 12:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/07/21 07:30	12/07/21 12:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 12:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/07/21 07:30	12/07/21 12:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				12/07/21 07:30	12/07/21 12:17	1
1,4-Difluorobenzene (Surr)	103		70 - 130				12/07/21 07:30	12/07/21 12:17	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			12/07/21 09:36	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			12/09/21 11:00	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		12/07/21 09:05	12/08/21 22:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/08/21 22:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/08/21 22:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				12/07/21 09:05	12/08/21 22:30	1
o-Terphenyl	117		70 - 130				12/07/21 09:05	12/08/21 22:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		5.03		mg/Kg			12/09/21 13:43	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-8956-25

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/07/21 07:30	12/07/21 15:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 15:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 15:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/07/21 07:30	12/07/21 15:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 15:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/07/21 07:30	12/07/21 15:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	12/07/21 07:30	12/07/21 15:42	1
1,4-Difluorobenzene (Surr)	114		70 - 130	12/07/21 07:30	12/07/21 15:42	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/09/21 09:17	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			12/09/21 11:00	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		12/07/21 09:05	12/08/21 22:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/08/21 22:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/08/21 22:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	12/07/21 09:05	12/08/21 22:50	1
o-Terphenyl	117		70 - 130	12/07/21 09:05	12/08/21 22:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	701		5.04		mg/Kg			12/09/21 13:54	1

Client Sample ID: S-7 (1-1.5')

Lab Sample ID: 880-8956-26

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/07/21 07:30	12/07/21 16:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/07/21 07:30	12/07/21 16:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/07/21 07:30	12/07/21 16:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/07/21 07:30	12/07/21 16:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/07/21 07:30	12/07/21 16:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/07/21 07:30	12/07/21 16:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/07/21 07:30	12/07/21 16:02	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/07/21 07:30	12/07/21 16:02	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-7 (1-1.5')

Lab Sample ID: 880-8956-26

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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			12/09/21 09:17	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			12/09/21 11:00	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		12/07/21 09:05	12/08/21 23:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/08/21 23:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/08/21 23:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				12/07/21 09:05	12/08/21 23:09	1
o-Terphenyl	119		70 - 130				12/07/21 09:05	12/08/21 23:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		4.98		mg/Kg			12/08/21 21:27	1

Client Sample ID: S-7 (2-2.5')

Lab Sample ID: 880-8956-27

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/07/21 07:30	12/07/21 16:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 16:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 16:22	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/07/21 07:30	12/07/21 16:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 16:22	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/07/21 07:30	12/07/21 16:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				12/07/21 07:30	12/07/21 16:22	1
1,4-Difluorobenzene (Surr)	109		70 - 130				12/07/21 07:30	12/07/21 16:22	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			12/09/21 09:17	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			12/09/21 11:00	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		12/07/21 09:05	12/08/21 23:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/07/21 09:05	12/08/21 23:29	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-7 (2-2.5')

Lab Sample ID: 880-8956-27

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/07/21 09:05	12/08/21 23:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				12/07/21 09:05	12/08/21 23:29	1
o-Terphenyl	106		70 - 130				12/07/21 09:05	12/08/21 23:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	448		5.04		mg/Kg			12/08/21 21:52	1

Client Sample ID: S-7 (3-3.5')

Lab Sample ID: 880-8956-28

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/07/21 07:30	12/07/21 16:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/07/21 07:30	12/07/21 16:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/07/21 07:30	12/07/21 16:43	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/07/21 07:30	12/07/21 16:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/07/21 07:30	12/07/21 16:43	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/07/21 07:30	12/07/21 16:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				12/07/21 07:30	12/07/21 16:43	1
1,4-Difluorobenzene (Surr)	108		70 - 130				12/07/21 07:30	12/07/21 16:43	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/09/21 09:17	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			12/09/21 11:00	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		12/07/21 09:05	12/08/21 23:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/08/21 23:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/08/21 23:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				12/07/21 09:05	12/08/21 23:48	1
o-Terphenyl	121		70 - 130				12/07/21 09:05	12/08/21 23:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	375		4.99		mg/Kg			12/08/21 22:00	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-8 (0-1')

Lab Sample ID: 880-8956-29

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0127		0.00202		mg/Kg		12/07/21 07:30	12/07/21 17:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/07/21 07:30	12/07/21 17:03	1
Ethylbenzene	0.00575		0.00202		mg/Kg		12/07/21 07:30	12/07/21 17:03	1
m-Xylene & p-Xylene	0.00518		0.00403		mg/Kg		12/07/21 07:30	12/07/21 17:03	1
o-Xylene	0.0298		0.00202		mg/Kg		12/07/21 07:30	12/07/21 17:03	1
Xylenes, Total	0.0350		0.00403		mg/Kg		12/07/21 07:30	12/07/21 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/07/21 07:30	12/07/21 17:03	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/07/21 07:30	12/07/21 17:03	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0534		0.00403		mg/Kg			12/09/21 09:17	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			12/09/21 11:00	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		12/07/21 09:05	12/09/21 00:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/07/21 09:05	12/09/21 00:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/07/21 09:05	12/09/21 00:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/07/21 09:05	12/09/21 00:08	1
o-Terphenyl	106		70 - 130				12/07/21 09:05	12/09/21 00:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		5.00		mg/Kg			12/08/21 22:09	1

Client Sample ID: S-8 (1-1.5')

Lab Sample ID: 880-8956-30

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/07/21 07:30	12/07/21 17:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 17:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 17:24	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/07/21 07:30	12/07/21 17:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 17:24	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/07/21 07:30	12/07/21 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	12/07/21 07:30	12/07/21 17:24	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/07/21 07:30	12/07/21 17:24	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-8 (1-1.5')

Lab Sample ID: 880-8956-30

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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			12/09/21 09:17	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			12/09/21 11:00	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		12/07/21 09:05	12/09/21 00:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 00:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 00:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				12/07/21 09:05	12/09/21 00:28	1
o-Terphenyl	113		70 - 130				12/07/21 09:05	12/09/21 00:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	154		4.95		mg/Kg			12/08/21 22:17	1

Client Sample ID: S-8 (2-2.5')

Lab Sample ID: 880-8956-31

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/07/21 07:30	12/07/21 17:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/07/21 07:30	12/07/21 17:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/07/21 07:30	12/07/21 17:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/07/21 07:30	12/07/21 17:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/07/21 07:30	12/07/21 17:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/07/21 07:30	12/07/21 17:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/07/21 07:30	12/07/21 17:44	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/07/21 07:30	12/07/21 17:44	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			12/09/21 09:17	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			12/09/21 11:00	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		12/07/21 09:05	12/09/21 00:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 00:48	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-8 (2-2.5')

Lab Sample ID: 880-8956-31

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 00:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				12/07/21 09:05	12/09/21 00:48	1
o-Terphenyl	111		70 - 130				12/07/21 09:05	12/09/21 00:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		5.02		mg/Kg			12/08/21 22:42	1

Client Sample ID: S-8 (3-3.5')

Lab Sample ID: 880-8956-32

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/07/21 07:30	12/07/21 18:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/07/21 07:30	12/07/21 18:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/07/21 07:30	12/07/21 18:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/07/21 07:30	12/07/21 18:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/07/21 07:30	12/07/21 18:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/07/21 07:30	12/07/21 18:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				12/07/21 07:30	12/07/21 18:04	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/07/21 07:30	12/07/21 18:04	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			12/09/21 09:17	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			12/09/21 11:00	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		12/07/21 09:05	12/09/21 01:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/09/21 01:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/09/21 01:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				12/07/21 09:05	12/09/21 01:08	1
o-Terphenyl	120		70 - 130				12/07/21 09:05	12/09/21 01:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124		4.97		mg/Kg			12/08/21 22:50	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-9 (0-1')

Lab Sample ID: 880-8956-33

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/07/21 07:30	12/07/21 18:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 18:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 18:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/07/21 07:30	12/07/21 18:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 18:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/07/21 07:30	12/07/21 18:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	12/07/21 07:30	12/07/21 18:25	1
1,4-Difluorobenzene (Surr)	112		70 - 130	12/07/21 07:30	12/07/21 18:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/09/21 09:17	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			12/09/21 11:00	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		12/07/21 09:05	12/09/21 01:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 01:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 01:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	12/07/21 09:05	12/09/21 01:48	1
o-Terphenyl	110		70 - 130	12/07/21 09:05	12/09/21 01:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2430		24.8		mg/Kg			12/08/21 22:59	5

Client Sample ID: S-9 (1-1.5')

Lab Sample ID: 880-8956-34

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/07/21 07:30	12/07/21 18:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/07/21 07:30	12/07/21 18:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/07/21 07:30	12/07/21 18:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/07/21 07:30	12/07/21 18:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/07/21 07:30	12/07/21 18:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/07/21 07:30	12/07/21 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	12/07/21 07:30	12/07/21 18:45	1
1,4-Difluorobenzene (Surr)	89		70 - 130	12/07/21 07:30	12/07/21 18:45	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-9 (1-1.5')

Lab Sample ID: 880-8956-34

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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			12/09/21 09:17	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			12/09/21 11:00	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		12/07/21 09:05	12/09/21 02:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 02:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 02:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				12/07/21 09:05	12/09/21 02:07	1
o-Terphenyl	104		70 - 130				12/07/21 09:05	12/09/21 02:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	568		4.99		mg/Kg			12/08/21 23:07	1

Client Sample ID: S-9 (2-2.5')

Lab Sample ID: 880-8956-35

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:17	12/07/21 11:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:17	12/07/21 11:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:17	12/07/21 11:22	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/06/21 09:17	12/07/21 11:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:17	12/07/21 11:22	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/06/21 09:17	12/07/21 11:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				12/06/21 09:17	12/07/21 11:22	1
1,4-Difluorobenzene (Surr)	95		70 - 130				12/06/21 09:17	12/07/21 11:22	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			12/07/21 09:36	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			12/09/21 11:00	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		12/07/21 09:05	12/09/21 02:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/09/21 02:27	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-9 (2-2.5')

Lab Sample ID: 880-8956-35

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/09/21 02:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				12/07/21 09:05	12/09/21 02:27	1
o-Terphenyl	108		70 - 130				12/07/21 09:05	12/09/21 02:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	382		5.00		mg/Kg			12/08/21 23:16	1

Client Sample ID: S-10 (0-1')

Lab Sample ID: 880-8956-36

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:17	12/07/21 11:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:17	12/07/21 11:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:17	12/07/21 11:42	1
m-Xylene & p-Xylene	0.0122		0.00398		mg/Kg		12/06/21 09:17	12/07/21 11:42	1
o-Xylene	0.00898		0.00199		mg/Kg		12/06/21 09:17	12/07/21 11:42	1
Xylenes, Total	0.0212		0.00398		mg/Kg		12/06/21 09:17	12/07/21 11:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				12/06/21 09:17	12/07/21 11:42	1
1,4-Difluorobenzene (Surr)	96		70 - 130				12/06/21 09:17	12/07/21 11:42	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0212		0.00398		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	547		50.0		mg/Kg			12/09/21 11:00	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		12/07/21 09:05	12/09/21 02:47	1
Diesel Range Organics (Over C10-C28)	494		50.0		mg/Kg		12/07/21 09:05	12/09/21 02:47	1
Oil Range Organics (Over C28-C36)	52.6		50.0		mg/Kg		12/07/21 09:05	12/09/21 02:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				12/07/21 09:05	12/09/21 02:47	1
o-Terphenyl	106		70 - 130				12/07/21 09:05	12/09/21 02:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3660		24.8		mg/Kg			12/08/21 23:24	5

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-10 (1-1.5')

Lab Sample ID: 880-8956-37

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:17	12/07/21 12:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:17	12/07/21 12:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:17	12/07/21 12:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/21 09:17	12/07/21 12:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:17	12/07/21 12:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/21 09:17	12/07/21 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	12/06/21 09:17	12/07/21 12:02	1
1,4-Difluorobenzene (Surr)	100		70 - 130	12/06/21 09:17	12/07/21 12:02	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			12/07/21 09:36	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			12/09/21 11:00	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		12/07/21 09:05	12/09/21 03:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 03:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 03:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	12/07/21 09:05	12/09/21 03:06	1
o-Terphenyl	114		70 - 130	12/07/21 09:05	12/09/21 03:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2050		25.2		mg/Kg			12/08/21 23:49	5

Client Sample ID: S-10 (2-2.5')

Lab Sample ID: 880-8956-38

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:17	12/07/21 12:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:17	12/07/21 12:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:17	12/07/21 12:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/06/21 09:17	12/07/21 12:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:17	12/07/21 12:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/06/21 09:17	12/07/21 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	12/06/21 09:17	12/07/21 12:23	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/06/21 09:17	12/07/21 12:23	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-10 (2-2.5')

Lab Sample ID: 880-8956-38

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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			12/07/21 09:36	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			12/09/21 11:00	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		12/07/21 09:05	12/09/21 03:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/09/21 03:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/09/21 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				12/07/21 09:05	12/09/21 03:26	1
o-Terphenyl	114		70 - 130				12/07/21 09:05	12/09/21 03:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	964		4.98		mg/Kg			12/08/21 23:57	1

Client Sample ID: S-10 (3-3.5')

Lab Sample ID: 880-8956-39

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:17	12/07/21 12:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:17	12/07/21 12:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:17	12/07/21 12:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/21 09:17	12/07/21 12:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:17	12/07/21 12:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/21 09:17	12/07/21 12:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				12/06/21 09:17	12/07/21 12:43	1
1,4-Difluorobenzene (Surr)	81		70 - 130				12/06/21 09:17	12/07/21 12:43	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			12/07/21 09:36	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			12/09/21 11:00	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		12/07/21 09:05	12/09/21 03:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/07/21 09:05	12/09/21 03:46	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-10 (3-3.5')

Lab Sample ID: 880-8956-39

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/07/21 09:05	12/09/21 03:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				12/07/21 09:05	12/09/21 03:46	1
o-Terphenyl	120		70 - 130				12/07/21 09:05	12/09/21 03:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.8		4.95		mg/Kg			12/09/21 00:22	1

Client Sample ID: S-11 (0-1')

Lab Sample ID: 880-8956-40

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 17:00	12/07/21 13:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 17:00	12/07/21 13:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 17:00	12/07/21 13:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/06/21 17:00	12/07/21 13:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 17:00	12/07/21 13:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/06/21 17:00	12/07/21 13:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				12/06/21 17:00	12/07/21 13:04	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/06/21 17:00	12/07/21 13:04	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			12/07/21 09:36	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			12/09/21 11:00	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		12/07/21 09:05	12/09/21 04:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 04:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 04:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				12/07/21 09:05	12/09/21 04:06	1
o-Terphenyl	110		70 - 130				12/07/21 09:05	12/09/21 04:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	471		5.01		mg/Kg			12/09/21 00:31	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-11 (1-1.5')

Lab Sample ID: 880-8956-41

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:23	12/07/21 02:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/06/21 09:23	12/07/21 02:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/06/21 09:23	12/07/21 02:15	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/06/21 09:23	12/07/21 02:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/06/21 09:23	12/07/21 02:15	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/06/21 09:23	12/07/21 02:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	12/06/21 09:23	12/07/21 02:15	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/06/21 09:23	12/07/21 02:15	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/09/21 14:43	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			12/09/21 11:00	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		12/07/21 09:05	12/09/21 04:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 04:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 04:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	12/07/21 09:05	12/09/21 04:25	1
o-Terphenyl	104		70 - 130	12/07/21 09:05	12/09/21 04:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	139		4.97		mg/Kg			12/09/21 00:39	1

Client Sample ID: S-11 (2-2.5')

Lab Sample ID: 880-8956-42

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:23	12/07/21 02:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:23	12/07/21 02:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:23	12/07/21 02:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/06/21 09:23	12/07/21 02:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:23	12/07/21 02:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/06/21 09:23	12/07/21 02:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/06/21 09:23	12/07/21 02:36	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/06/21 09:23	12/07/21 02:36	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-11 (2-2.5')

Lab Sample ID: 880-8956-42

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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			12/09/21 14:43	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			12/09/21 11:00	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		12/07/21 09:05	12/09/21 04:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/09/21 04:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/09/21 04:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				12/07/21 09:05	12/09/21 04:45	1
o-Terphenyl	115		70 - 130				12/07/21 09:05	12/09/21 04:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1250		5.00		mg/Kg			12/09/21 00:48	1

Client Sample ID: S-11 (3-3.5')

Lab Sample ID: 880-8956-43

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:23	12/07/21 02:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:23	12/07/21 02:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:23	12/07/21 02:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/06/21 09:23	12/07/21 02:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:23	12/07/21 02:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/06/21 09:23	12/07/21 02:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				12/06/21 09:23	12/07/21 02:56	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/06/21 09:23	12/07/21 02:56	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			12/09/21 14:43	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			12/09/21 14:45	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		12/07/21 09:08	12/08/21 21:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 09:08	12/08/21 21:31	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-11 (3-3.5')

Lab Sample ID: 880-8956-43

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 09:08	12/08/21 21:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				12/07/21 09:08	12/08/21 21:31	1
o-Terphenyl	106		70 - 130				12/07/21 09:08	12/08/21 21:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1420		5.00		mg/Kg			12/09/21 00:56	1

Client Sample ID: S-12 (0-1')

Lab Sample ID: 880-8956-44

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:23	12/07/21 03:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:23	12/07/21 03:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:23	12/07/21 03:17	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/06/21 09:23	12/07/21 03:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:23	12/07/21 03:17	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/06/21 09:23	12/07/21 03:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				12/06/21 09:23	12/07/21 03:17	1
1,4-Difluorobenzene (Surr)	103		70 - 130				12/06/21 09:23	12/07/21 03:17	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/09/21 14:43	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			12/09/21 14:45	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		12/07/21 09:08	12/08/21 22:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 09:08	12/08/21 22:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 09:08	12/08/21 22:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				12/07/21 09:08	12/08/21 22:30	1
o-Terphenyl	81		70 - 130				12/07/21 09:08	12/08/21 22:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3160		25.2		mg/Kg			12/09/21 01:04	5

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-12 (1-1.5')

Lab Sample ID: 880-8956-45

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:23	12/07/21 03:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:23	12/07/21 03:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:23	12/07/21 03:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/21 09:23	12/07/21 03:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:23	12/07/21 03:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/21 09:23	12/07/21 03:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	12/06/21 09:23	12/07/21 03:37	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/06/21 09:23	12/07/21 03:37	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			12/09/21 14:43	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			12/09/21 14:45	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		12/07/21 09:08	12/08/21 22:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 09:08	12/08/21 22:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 09:08	12/08/21 22:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	12/07/21 09:08	12/08/21 22:50	1
o-Terphenyl	101		70 - 130	12/07/21 09:08	12/08/21 22:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	598		5.04		mg/Kg			12/09/21 01:13	1

Client Sample ID: S-12 (2-2.5')

Lab Sample ID: 880-8956-46

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:23	12/07/21 03:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:23	12/07/21 03:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:23	12/07/21 03:57	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/06/21 09:23	12/07/21 03:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:23	12/07/21 03:57	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/06/21 09:23	12/07/21 03:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	12/06/21 09:23	12/07/21 03:57	1
1,4-Difluorobenzene (Surr)	81		70 - 130	12/06/21 09:23	12/07/21 03:57	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-12 (2-2.5')

Lab Sample ID: 880-8956-46

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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			12/09/21 14:43	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			12/09/21 14:45	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		12/07/21 09:08	12/08/21 23:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 09:08	12/08/21 23:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 09:08	12/08/21 23:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				12/07/21 09:08	12/08/21 23:09	1
o-Terphenyl	96		70 - 130				12/07/21 09:08	12/08/21 23:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2950		24.8		mg/Kg			12/08/21 05:25	5

Client Sample ID: S-12 (3-3.5')

Lab Sample ID: 880-8956-47

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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		12/06/21 09:23	12/07/21 04:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:23	12/07/21 04:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:23	12/07/21 04:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/21 09:23	12/07/21 04:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:23	12/07/21 04:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/21 09:23	12/07/21 04:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				12/06/21 09:23	12/07/21 04:18	1
1,4-Difluorobenzene (Surr)	105		70 - 130				12/06/21 09:23	12/07/21 04:18	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			12/09/21 14:43	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			12/09/21 14:45	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		12/07/21 09:08	12/08/21 23:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/07/21 09:08	12/08/21 23:29	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-12 (3-3.5')

Lab Sample ID: 880-8956-47

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/07/21 09:08	12/08/21 23:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	12/07/21 09:08	12/08/21 23:29	1
o-Terphenyl	99		70 - 130	12/07/21 09:08	12/08/21 23:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3120		25.0		mg/Kg			12/08/21 05:37	5

Surrogate Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
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)
880-8955-A-1-A MS	Matrix Spike	101	101
880-8955-A-1-B MSD	Matrix Spike Duplicate	110	102
880-8956-1	S-1 (0-1')	91	77
880-8956-1 MS	S-1 (0-1')	114	96
880-8956-1 MSD	S-1 (0-1')	4 S1-	10 S1-
880-8956-2	S-1 (1-1.5')	101	105
880-8956-3	S-1 (2-2.5')	102	109
880-8956-4	S-2 (0-1')	114	102
880-8956-5	S-2 (1-1.5')	139 S1+	128
880-8956-6	S-2 (2-2.5')	126	117
880-8956-7	S-2 (3-3.5')	121	113
880-8956-8	S-3 (0-1')	130	104
880-8956-9	S-3 (1-1.5')	125	99
880-8956-10	S-3 (2-2.5')	122	104
880-8956-11	S-4 (0-1')	139 S1+	90
880-8956-12	S-4 (1-1.5')	128	108
880-8956-13	S-4 (2-2.5')	128	102
880-8956-14	S-4 (3-3.5')	124	98
880-8956-15	S-5 (0-1')	191 S1+	89
880-8956-16	S-5 (1-1.5')	116	107
880-8956-17	S-5 (2-2.5')	121	105
880-8956-18	S-5 (3-3.5')	118	101
880-8956-19	S-5 (4-4.5')	131 S1+	116
880-8956-20	S-6 (0-1')	68 S1-	104
880-8956-21	S-6 (1-1.5')	120	106
880-8956-21 MS	S-6 (1-1.5')	109	105
880-8956-21 MSD	S-6 (1-1.5')	114	102
880-8956-22	S-6 (2-2.5')	108	108
880-8956-23	S-6 (3-3.5')	108	91
880-8956-24	S-6 (4-4.5')	105	103
880-8956-25	S-7 (0-1')	127	114
880-8956-26	S-7 (1-1.5')	121	105
880-8956-27	S-7 (2-2.5')	126	109
880-8956-28	S-7 (3-3.5')	122	108
880-8956-29	S-8 (0-1')	121	99
880-8956-30	S-8 (1-1.5')	125	93
880-8956-31	S-8 (2-2.5')	123	107
880-8956-32	S-8 (3-3.5')	124	107
880-8956-33	S-9 (0-1')	135 S1+	112
880-8956-34	S-9 (1-1.5')	120	89
880-8956-35	S-9 (2-2.5')	116	95
880-8956-35 MS	S-9 (2-2.5')	117	102
880-8956-35 MSD	S-9 (2-2.5')	105	93
880-8956-36	S-10 (0-1')	107	96
880-8956-37	S-10 (1-1.5')	116	100
880-8956-38	S-10 (2-2.5')	117	103
880-8956-39	S-10 (3-3.5')	91	81
880-8956-40	S-11 (0-1')	117	99
880-8956-41	S-11 (1-1.5')	113	111

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-8956-42	S-11 (2-2.5')	106	105
880-8956-43	S-11 (3-3.5')	113	102
880-8956-44	S-12 (0-1')	114	103
880-8956-45	S-12 (1-1.5')	120	105
880-8956-46	S-12 (2-2.5')	131 S1+	81
880-8956-47	S-12 (3-3.5')	121	105
LCS 880-13944/1-A	Lab Control Sample	106	104
LCS 880-13947/1-A	Lab Control Sample	111	101
LCS 880-13948/1-A	Lab Control Sample	102	100
LCS 880-14077/1-A	Lab Control Sample	101	101
LCSD 880-13944/2-A	Lab Control Sample Dup	103	100
LCSD 880-13947/2-A	Lab Control Sample Dup	112	97
LCSD 880-13948/2-A	Lab Control Sample Dup	105	100
LCSD 880-14077/2-A	Lab Control Sample Dup	100	101
MB 880-13933/5-A	Method Blank	121	97
MB 880-13944/5-A	Method Blank	61 S1-	97
MB 880-13947/5-A	Method Blank	126	107
MB 880-14077/5-A	Method Blank	113	103

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)
880-8956-1	S-1 (0-1')	107	105
880-8956-1 MS	S-1 (0-1')	85	80
880-8956-1 MSD	S-1 (0-1')	84	80
880-8956-2	S-1 (1-1.5')	107	105
880-8956-3	S-1 (2-2.5')	95	95
880-8956-4	S-2 (0-1')	92	93
880-8956-5	S-2 (1-1.5')	107	100
880-8956-6	S-2 (2-2.5')	89	82
880-8956-7	S-2 (3-3.5')	87	88
880-8956-8	S-3 (0-1')	94	95
880-8956-9	S-3 (1-1.5')	84	78
880-8956-10	S-3 (2-2.5')	85	78
880-8956-11	S-4 (0-1')	90	91
880-8956-12	S-4 (1-1.5')	96	89
880-8956-13	S-4 (2-2.5')	92	90
880-8956-14	S-4 (3-3.5')	88	89
880-8956-15	S-5 (0-1')	90	88
880-8956-16	S-5 (1-1.5')	90	91
880-8956-17	S-5 (2-2.5')	85	86
880-8956-18	S-5 (3-3.5')	88	85
880-8956-19	S-5 (4-4.5')	91	95
880-8956-20	S-6 (0-1')	90	91

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
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)				
880-8956-21	S-6 (1-1.5')	90	92				
880-8956-22	S-6 (2-2.5')	87	84				
880-8956-23	S-6 (3-3.5')	109	121				
880-8956-23 MS	S-6 (3-3.5')	111	107				
880-8956-23 MSD	S-6 (3-3.5')	111	103				
880-8956-24	S-6 (4-4.5')	107	117				
880-8956-25	S-7 (0-1')	108	117				
880-8956-26	S-7 (1-1.5')	111	119				
880-8956-27	S-7 (2-2.5')	97	106				
880-8956-28	S-7 (3-3.5')	110	121				
880-8956-29	S-8 (0-1')	99	106				
880-8956-30	S-8 (1-1.5')	106	113				
880-8956-31	S-8 (2-2.5')	103	111				
880-8956-32	S-8 (3-3.5')	109	120				
880-8956-33	S-9 (0-1')	101	110				
880-8956-34	S-9 (1-1.5')	94	104				
880-8956-35	S-9 (2-2.5')	100	108				
880-8956-36	S-10 (0-1')	105	106				
880-8956-37	S-10 (1-1.5')	102	114				
880-8956-38	S-10 (2-2.5')	105	114				
880-8956-39	S-10 (3-3.5')	108	120				
880-8956-40	S-11 (0-1')	101	110				
880-8956-41	S-11 (1-1.5')	93	104				
880-8956-42	S-11 (2-2.5')	104	115				
880-8956-43	S-11 (3-3.5')	100	106				
880-8956-43 MS	S-11 (3-3.5')	101	99				
880-8956-43 MSD	S-11 (3-3.5')	92	87				
880-8956-44	S-12 (0-1')	75	81				
880-8956-45	S-12 (1-1.5')	93	101				
880-8956-46	S-12 (2-2.5')	86	96				
880-8956-47	S-12 (3-3.5')	89	99				
890-1666-A-121-F MS	Matrix Spike	95	89				
890-1666-A-121-G MSD	Matrix Spike Duplicate	92	88				
LCS 880-14145/2-A	Lab Control Sample	85	81				
LCS 880-14147/2-A	Lab Control Sample	91	88				
LCS 880-14148/2-A	Lab Control Sample	93	90				
LCS 880-14199/2-A	Lab Control Sample	102	108				
LCSD 880-14145/3-A	Lab Control Sample Dup	126	122				
LCSD 880-14147/3-A	Lab Control Sample Dup	124	118				
LCSD 880-14148/3-A	Lab Control Sample Dup	97	96				
LCSD 880-14199/3-A	Lab Control Sample Dup	100	106				
MB 880-14145/1-A	Method Blank	95	97				
MB 880-14147/1-A	Method Blank	119	126				
MB 880-14148/1-A	Method Blank	91	98				
MB 880-14199/1-A	Method Blank	98	119				

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-13933/5-A

Matrix: Solid

Analysis Batch: 13934

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13933

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/21 07:34	12/06/21 10:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 07:34	12/06/21 10:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 07:34	12/06/21 10:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/06/21 07:34	12/06/21 10:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 07:34	12/06/21 10:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/06/21 07:34	12/06/21 10:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/06/21 07:34	12/06/21 10:37	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/06/21 07:34	12/06/21 10:37	1

Lab Sample ID: MB 880-13944/5-A

Matrix: Solid

Analysis Batch: 13998

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13944

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 13:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 13:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 13:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/06/21 09:08	12/06/21 13:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 13:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/06/21 09:08	12/06/21 13:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	61	S1-	70 - 130	12/06/21 09:08	12/06/21 13:43	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/06/21 09:08	12/06/21 13:43	1

Lab Sample ID: LCS 880-13944/1-A

Matrix: Solid

Analysis Batch: 13998

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13944

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09088		mg/Kg		91	70 - 130
Toluene	0.100	0.08085		mg/Kg		81	70 - 130
Ethylbenzene	0.100	0.08715		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1905		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09201		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-13944/2-A

Matrix: Solid

Analysis Batch: 13998

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13944

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09100		mg/Kg		91	70 - 130	0	35

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QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-13944/2-A

Matrix: Solid

Analysis Batch: 13998

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13944

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	0.100	0.08571		mg/Kg		86	70 - 130	6	35
Ethylbenzene	0.100	0.08969		mg/Kg		90	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1920		mg/Kg		96	70 - 130	1	35
o-Xylene	0.100	0.09383		mg/Kg		94	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-8956-1 MS

Matrix: Solid

Analysis Batch: 13998

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

Prep Type: Total/NA

Prep Batch: 13944

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F2 F1	0.0998	0.08005		mg/Kg		80	70 - 130
Toluene	<0.00199	U F2 F1	0.0998	0.07714		mg/Kg		77	70 - 130
Ethylbenzene	<0.00199	U F2 F1	0.0998	0.08322		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.200	0.1788		mg/Kg		90	70 - 130
o-Xylene	<0.00199	U F2 F1	0.0998	0.08297		mg/Kg		82	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-8956-1 MSD

Matrix: Solid

Analysis Batch: 13998

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

Prep Type: Total/NA

Prep Batch: 13944

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F2 F1	0.0994	0.01342	F2 F1	mg/Kg		13	70 - 130	143	35
Toluene	<0.00199	U F2 F1	0.0994	0.006093	F2 F1	mg/Kg		6	70 - 130	171	35
Ethylbenzene	<0.00199	U F2 F1	0.0994	0.006594	F2 F1	mg/Kg		7	70 - 130	171	35
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.199	0.01542	F2 F1	mg/Kg		8	70 - 130	168	35
o-Xylene	<0.00199	U F2 F1	0.0994	0.007479	F2 F1	mg/Kg		7	70 - 130	167	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	4	S1-	70 - 130
1,4-Difluorobenzene (Surr)	10	S1-	70 - 130

Lab Sample ID: MB 880-13947/5-A

Matrix: Solid

Analysis Batch: 14141

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13947

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:17	12/07/21 10:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:17	12/07/21 10:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:17	12/07/21 10:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/06/21 09:17	12/07/21 10:53	1

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-13947/5-A

Matrix: Solid

Analysis Batch: 14141

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13947

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:17	12/07/21 10:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/06/21 09:17	12/07/21 10:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	12/06/21 09:17	12/07/21 10:53	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/06/21 09:17	12/07/21 10:53	1

Lab Sample ID: LCS 880-13947/1-A

Matrix: Solid

Analysis Batch: 14141

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13947

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09027		mg/Kg		90	70 - 130
Toluene	0.100	0.09554		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09657		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1876		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09185		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-13947/2-A

Matrix: Solid

Analysis Batch: 14141

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13947

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08600		mg/Kg		86	70 - 130	5	35
Toluene	0.100	0.08939		mg/Kg		89	70 - 130	7	35
Ethylbenzene	0.100	0.09479		mg/Kg		95	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1827		mg/Kg		91	70 - 130	3	35
o-Xylene	0.100	0.08907		mg/Kg		89	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-8956-35 MS

Matrix: Solid

Analysis Batch: 14141

Client Sample ID: S-9 (2-2.5')

Prep Type: Total/NA

Prep Batch: 13947

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.0998	0.1043		mg/Kg		104	70 - 130
Toluene	<0.00200	U	0.0998	0.1068		mg/Kg		107	70 - 130
Ethylbenzene	<0.00200	U	0.0998	0.1125		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2200		mg/Kg		110	70 - 130
o-Xylene	<0.00200	U	0.0998	0.1050		mg/Kg		105	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8956-35 MS

Matrix: Solid

Analysis Batch: 14141

Client Sample ID: S-9 (2-2.5')

Prep Type: Total/NA

Prep Batch: 13947

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-8956-35 MSD

Matrix: Solid

Analysis Batch: 14141

Client Sample ID: S-9 (2-2.5')

Prep Type: Total/NA

Prep Batch: 13947

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0994	0.09627		mg/Kg		96	70 - 130	8	35
Toluene	<0.00200	U	0.0994	0.1020		mg/Kg		102	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.0994	0.1022		mg/Kg		103	70 - 130	10	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.2005		mg/Kg		101	70 - 130	9	35
o-Xylene	<0.00200	U	0.0994	0.09890		mg/Kg		99	70 - 130	6	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCS 880-13948/1-A

Matrix: Solid

Analysis Batch: 13934

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13948

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08416		mg/Kg		84	70 - 130
Toluene	0.100	0.08049		mg/Kg		80	70 - 130
Ethylbenzene	0.100	0.08082		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1690		mg/Kg		84	70 - 130
o-Xylene	0.100	0.08536		mg/Kg		85	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-13948/2-A

Matrix: Solid

Analysis Batch: 13934

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13948

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08677		mg/Kg		87	70 - 130	3	35
Toluene	0.100	0.08258		mg/Kg		83	70 - 130	3	35
Ethylbenzene	0.100	0.08339		mg/Kg		83	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1750		mg/Kg		88	70 - 130	4	35
o-Xylene	0.100	0.08373		mg/Kg		84	70 - 130	2	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8955-A-1-A MS

Matrix: Solid

Analysis Batch: 13934

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 13948

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00202	U	0.101	0.08164		mg/Kg		81	70 - 130
Toluene	<0.00202	U	0.101	0.07556		mg/Kg		75	70 - 130
Ethylbenzene	<0.00202	U F1	0.101	0.07171		mg/Kg		71	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.201	0.1468		mg/Kg		73	70 - 130
o-Xylene	<0.00202	U	0.101	0.07221		mg/Kg		72	70 - 130

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

Lab Sample ID: 880-8955-A-1-B MSD

Matrix: Solid

Analysis Batch: 13934

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 13948

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.07802		mg/Kg		78	70 - 130	5	35
Toluene	<0.00202	U	0.100	0.07248		mg/Kg		72	70 - 130	4	35
Ethylbenzene	<0.00202	U F1	0.100	0.06841	F1	mg/Kg		68	70 - 130	5	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1401		mg/Kg		70	70 - 130	5	35
o-Xylene	<0.00202	U	0.100	0.07057		mg/Kg		70	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 880-14077/5-A

Matrix: Solid

Analysis Batch: 14140

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14077

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 10:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 10:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 10:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/07/21 07:30	12/07/21 10:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 10:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/07/21 07:30	12/07/21 10:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	12/07/21 07:30	12/07/21 10:54	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/07/21 07:30	12/07/21 10:54	1

Lab Sample ID: LCS 880-14077/1-A

Matrix: Solid

Analysis Batch: 14140

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14077

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08270		mg/Kg		83	70 - 130
Toluene	0.100	0.07943		mg/Kg		79	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-14077/1-A

Matrix: Solid

Analysis Batch: 14140

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14077

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	0.100	0.08110		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1682		mg/Kg		84	70 - 130
o-Xylene	0.100	0.08253		mg/Kg		83	70 - 130

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

Lab Sample ID: LCSD 880-14077/2-A

Matrix: Solid

Analysis Batch: 14140

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14077

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.08514		mg/Kg		85	70 - 130	3	35
Toluene	0.100	0.08130		mg/Kg		81	70 - 130	2	35
Ethylbenzene	0.100	0.08125		mg/Kg		81	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1685		mg/Kg		84	70 - 130	0	35
o-Xylene	0.100	0.08435		mg/Kg		84	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-8956-21 MS

Matrix: Solid

Analysis Batch: 14140

Client Sample ID: S-6 (1-1.5')

Prep Type: Total/NA

Prep Batch: 14077

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1	0.0998	0.07414		mg/Kg		74	70 - 130
Toluene	<0.00200	U F1	0.0998	0.07156		mg/Kg		72	70 - 130
Ethylbenzene	<0.00200	U F1	0.0998	0.07533		mg/Kg		75	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.200	0.1525		mg/Kg		76	70 - 130
o-Xylene	<0.00200	U F1	0.0998	0.07530		mg/Kg		75	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-8956-21 MSD

Matrix: Solid

Analysis Batch: 14140

Client Sample ID: S-6 (1-1.5')

Prep Type: Total/NA

Prep Batch: 14077

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00200	U F1	0.0994	0.06291	F1	mg/Kg		63	70 - 130	16	35
Toluene	<0.00200	U F1	0.0994	0.06324	F1	mg/Kg		64	70 - 130	12	35
Ethylbenzene	<0.00200	U F1	0.0994	0.06141	F1	mg/Kg		62	70 - 130	20	35
m-Xylene & p-Xylene	<0.00401	U F1	0.199	0.1364	F1	mg/Kg		69	70 - 130	11	35
o-Xylene	<0.00200	U F1	0.0994	0.06874	F1	mg/Kg		69	70 - 130	9	35

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-14145/1-A

Matrix: Solid

Analysis Batch: 14176

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14145

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		12/07/21 08:55	12/07/21 22:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/07/21 22:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/07/21 22:04	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				12/07/21 08:55	12/07/21 22:04	1
o-Terphenyl	97		70 - 130				12/07/21 08:55	12/07/21 22:04	1

Lab Sample ID: LCS 880-14145/2-A

Matrix: Solid

Analysis Batch: 14176

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14145

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	847.9		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1050		mg/Kg		105	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	85		70 - 130				
o-Terphenyl	81		70 - 130				

Lab Sample ID: LCSD 880-14145/3-A

Matrix: Solid

Analysis Batch: 14176

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14145

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	889.7		mg/Kg		89	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	1113		mg/Kg		111	70 - 130	6	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	126		70 - 130						
o-Terphenyl	122		70 - 130						

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8956-1 MS

Matrix: Solid

Analysis Batch: 14176

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

Prep Type: Total/NA

Prep Batch: 14145

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	887.2		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	68.1		997	1055		mg/Kg		99	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	85		70 - 130						
o-Terphenyl	80		70 - 130						

Lab Sample ID: 880-8956-1 MSD

Matrix: Solid

Analysis Batch: 14176

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

Prep Type: Total/NA

Prep Batch: 14145

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	909.9		mg/Kg		87	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	68.1		999	1059		mg/Kg		99	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	84		70 - 130								
o-Terphenyl	80		70 - 130								

Lab Sample ID: MB 880-14147/1-A

Matrix: Solid

Analysis Batch: 14242

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14147

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		12/07/21 09:05	12/08/21 20:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/08/21 20:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/08/21 20:33	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				12/07/21 09:05	12/08/21 20:33	1
o-Terphenyl	126		70 - 130				12/07/21 09:05	12/08/21 20:33	1

Lab Sample ID: LCS 880-14147/2-A

Matrix: Solid

Analysis Batch: 14242

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14147

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	957.8		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1003		mg/Kg		100	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-14147/2-A

Matrix: Solid

Analysis Batch: 14242

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14147

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: LCSD 880-14147/3-A

Matrix: Solid

Analysis Batch: 14242

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14147

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	10	20
Diesel Range Organics (Over C10-C28)	1000	1192		mg/Kg		119	70 - 130	17	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: 880-8956-23 MS

Matrix: Solid

Analysis Batch: 14242

Client Sample ID: S-6 (3-3.5')

Prep Type: Total/NA

Prep Batch: 14147

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1159		mg/Kg		114	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1236		mg/Kg		122	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 880-8956-23 MSD

Matrix: Solid

Analysis Batch: 14242

Client Sample ID: S-6 (3-3.5')

Prep Type: Total/NA

Prep Batch: 14147

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	1152		mg/Kg		114	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1216		mg/Kg		120	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	103		70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-14148/1-A

Matrix: Solid

Analysis Batch: 14244

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14148

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		12/07/21 09:08	12/08/21 20:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 09:08	12/08/21 20:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 09:08	12/08/21 20:33	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				12/07/21 09:08	12/08/21 20:33	1
o-Terphenyl	98		70 - 130				12/07/21 09:08	12/08/21 20:33	1

Lab Sample ID: LCS 880-14148/2-A

Matrix: Solid

Analysis Batch: 14244

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	978.2		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	926.0		mg/Kg		93	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	93		70 - 130				
o-Terphenyl	90		70 - 130				

Lab Sample ID: LCSD 880-14148/3-A

Matrix: Solid

Analysis Batch: 14244

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14148

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	814.5		mg/Kg		81	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	1000	821.2		mg/Kg		82	70 - 130	12	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	97		70 - 130						
o-Terphenyl	96		70 - 130						

Lab Sample ID: 880-8956-43 MS

Matrix: Solid

Analysis Batch: 14244

Client Sample ID: S-11 (3-3.5')

Prep Type: Total/NA

Prep Batch: 14148

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	1162		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1078		mg/Kg		106	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8956-43 MS

Matrix: Solid

Analysis Batch: 14244

Client Sample ID: S-11 (3-3.5')

Prep Type: Total/NA

Prep Batch: 14148

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 880-8956-43 MSD

Matrix: Solid

Analysis Batch: 14244

Client Sample ID: S-11 (3-3.5')

Prep Type: Total/NA

Prep Batch: 14148

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	1118		mg/Kg		110	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	971.9		mg/Kg		95	70 - 130	10	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	87		70 - 130

Lab Sample ID: MB 880-14199/1-A

Matrix: Solid

Analysis Batch: 14177

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14199

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		12/07/21 13:23	12/07/21 22:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 13:23	12/07/21 22:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 13:23	12/07/21 22:04	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				12/07/21 13:23	12/07/21 22:04	1
o-Terphenyl	119		70 - 130				12/07/21 13:23	12/07/21 22:04	1

Lab Sample ID: LCS 880-14199/2-A

Matrix: Solid

Analysis Batch: 14177

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	937.9		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	918.5		mg/Kg		92	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	108		70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-14199/3-A

Matrix: Solid

Analysis Batch: 14177

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14199

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	921.5		mg/Kg		92	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	906.6		mg/Kg		91	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	100		70 - 130						
o-Terphenyl	106		70 - 130						

Lab Sample ID: 890-1666-A-121-F MS

Matrix: Solid

Analysis Batch: 14177

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 14199

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	945.6		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1211		mg/Kg		121	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	95		70 - 130								
o-Terphenyl	89		70 - 130								

Lab Sample ID: 890-1666-A-121-G MSD

Matrix: Solid

Analysis Batch: 14177

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 14199

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	966.4		mg/Kg		94	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1204		mg/Kg		121	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	92		70 - 130								
o-Terphenyl	88		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-14039/1-A

Matrix: Solid

Analysis Batch: 14239

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			12/08/21 02:38	1

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-14039/2-A

Matrix: Solid

Analysis Batch: 14239

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	236.9		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-14039/3-A

Matrix: Solid

Analysis Batch: 14239

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	235.8		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 880-8816-A-1-E MS

Matrix: Solid

Analysis Batch: 14239

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	1680	F1	1250	3055	F1	mg/Kg		111	90 - 110

Lab Sample ID: 880-8816-A-1-F MSD

Matrix: Solid

Analysis Batch: 14239

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	1680	F1	1250	2875		mg/Kg		96	90 - 110	6	20

Lab Sample ID: MB 880-14044/1-A

Matrix: Solid

Analysis Batch: 14300

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			12/08/21 17:07	1

Lab Sample ID: LCS 880-14044/2-A

Matrix: Solid

Analysis Batch: 14300

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	272.0		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-14044/3-A

Matrix: Solid

Analysis Batch: 14300

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	272.4		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-8955-A-1-G MS

Matrix: Solid

Analysis Batch: 14300

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	7.51	F1	248	319.8	F1	mg/Kg		126	90 - 110

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-8955-A-1-H MSD

Matrix: Solid

Analysis Batch: 14300

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	7.51	F1	248	300.2	F1	mg/Kg		118	90 - 110	6	20

Lab Sample ID: 880-8955-A-6-F MS

Matrix: Solid

Analysis Batch: 14300

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	<4.96	U F1	248	287.5	F1	mg/Kg		114	90 - 110		

Lab Sample ID: 880-8955-A-6-G MSD

Matrix: Solid

Analysis Batch: 14300

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	<4.96	U F1	248	283.8	F1	mg/Kg		113	90 - 110	1	20

Lab Sample ID: MB 880-14045/1-A

Matrix: Solid

Analysis Batch: 14301

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			12/09/21 08:24	1

Lab Sample ID: LCS 880-14045/2-A

Matrix: Solid

Analysis Batch: 14301

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	250	253.2		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-14045/3-A

Matrix: Solid

Analysis Batch: 14301

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	260.8		mg/Kg		104	90 - 110	3	20

Lab Sample ID: 880-8956-6 MS

Matrix: Solid

Analysis Batch: 14301

Client Sample ID: S-2 (2-2.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	79.1		249	335.6		mg/Kg		103	90 - 110		

Lab Sample ID: 880-8956-6 MSD

Matrix: Solid

Analysis Batch: 14301

Client Sample ID: S-2 (2-2.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	79.1		249	328.7		mg/Kg		100	90 - 110	2	20

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-8956-16 MS

Matrix: Solid

Analysis Batch: 14301

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	58.7		248	310.9		mg/Kg		102	90 - 110

Lab Sample ID: 880-8956-16 MSD

Matrix: Solid

Analysis Batch: 14301

Client Sample ID: S-5 (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	58.7		248	306.8		mg/Kg		100	90 - 110	1	20

Lab Sample ID: MB 880-14047/1-A

Matrix: Solid

Analysis Batch: 14302

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			12/08/21 21:02	1

Lab Sample ID: LCS 880-14047/2-A

Matrix: Solid

Analysis Batch: 14302

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	266.0		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-14047/3-A

Matrix: Solid

Analysis Batch: 14302

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	265.6		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-8956-26 MS

Matrix: Solid

Analysis Batch: 14302

Client Sample ID: S-7 (1-1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	106		249	363.1		mg/Kg		103	90 - 110

Lab Sample ID: 880-8956-26 MSD

Matrix: Solid

Analysis Batch: 14302

Client Sample ID: S-7 (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	106		249	368.6		mg/Kg		105	90 - 110	1	20

Lab Sample ID: 880-8956-36 MS

Matrix: Solid

Analysis Batch: 14302

Client Sample ID: S-10 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	3660		1240	4980		mg/Kg		106	90 - 110

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QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-8956-36 MSD

Client Sample ID: S-10 (0-1')

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 14302

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limits
Chloride	3660		1240	4969		mg/Kg		105	90 - 110	0	20

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 13933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-13933/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 13934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-41	S-11 (1-1.5')	Total/NA	Solid	8021B	13948
880-8956-42	S-11 (2-2.5')	Total/NA	Solid	8021B	13948
880-8956-43	S-11 (3-3.5')	Total/NA	Solid	8021B	13948
880-8956-44	S-12 (0-1')	Total/NA	Solid	8021B	13948
880-8956-45	S-12 (1-1.5')	Total/NA	Solid	8021B	13948
880-8956-46	S-12 (2-2.5')	Total/NA	Solid	8021B	13948
880-8956-47	S-12 (3-3.5')	Total/NA	Solid	8021B	13948
MB 880-13933/5-A	Method Blank	Total/NA	Solid	8021B	13933
LCS 880-13948/1-A	Lab Control Sample	Total/NA	Solid	8021B	13948
LCSD 880-13948/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13948
880-8955-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	13948
880-8955-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	13948

Prep Batch: 13944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-1	S-1 (0-1')	Total/NA	Solid	5035	
880-8956-2	S-1 (1-1.5')	Total/NA	Solid	5035	
880-8956-3	S-1 (2-2.5')	Total/NA	Solid	5035	
880-8956-4	S-2 (0-1')	Total/NA	Solid	5035	
880-8956-5	S-2 (1-1.5')	Total/NA	Solid	5035	
880-8956-6	S-2 (2-2.5')	Total/NA	Solid	5035	
880-8956-7	S-2 (3-3.5')	Total/NA	Solid	5035	
880-8956-8	S-3 (0-1')	Total/NA	Solid	5035	
880-8956-9	S-3 (1-1.5')	Total/NA	Solid	5035	
880-8956-10	S-3 (2-2.5')	Total/NA	Solid	5035	
880-8956-11	S-4 (0-1')	Total/NA	Solid	5035	
880-8956-12	S-4 (1-1.5')	Total/NA	Solid	5035	
880-8956-13	S-4 (2-2.5')	Total/NA	Solid	5035	
880-8956-14	S-4 (3-3.5')	Total/NA	Solid	5035	
880-8956-15	S-5 (0-1')	Total/NA	Solid	5035	
880-8956-16	S-5 (1-1.5')	Total/NA	Solid	5035	
880-8956-17	S-5 (2-2.5')	Total/NA	Solid	5035	
880-8956-18	S-5 (3-3.5')	Total/NA	Solid	5035	
880-8956-19	S-5 (4-4.5')	Total/NA	Solid	5035	
880-8956-20	S-6 (0-1')	Total/NA	Solid	5035	
MB 880-13944/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13944/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13944/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-8956-1 MS	S-1 (0-1')	Total/NA	Solid	5035	
880-8956-1 MSD	S-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 13947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-35	S-9 (2-2.5')	Total/NA	Solid	5035	
880-8956-36	S-10 (0-1')	Total/NA	Solid	5035	
880-8956-37	S-10 (1-1.5')	Total/NA	Solid	5035	
880-8956-38	S-10 (2-2.5')	Total/NA	Solid	5035	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

GC VOA (Continued)

Prep Batch: 13947 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-39	S-10 (3-3.5')	Total/NA	Solid	5035	
880-8956-40	S-11 (0-1')	Total/NA	Solid	5035	
MB 880-13947/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13947/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13947/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-8956-35 MS	S-9 (2-2.5')	Total/NA	Solid	5035	
880-8956-35 MSD	S-9 (2-2.5')	Total/NA	Solid	5035	

Prep Batch: 13948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-41	S-11 (1-1.5')	Total/NA	Solid	5035	
880-8956-42	S-11 (2-2.5')	Total/NA	Solid	5035	
880-8956-43	S-11 (3-3.5')	Total/NA	Solid	5035	
880-8956-44	S-12 (0-1')	Total/NA	Solid	5035	
880-8956-45	S-12 (1-1.5')	Total/NA	Solid	5035	
880-8956-46	S-12 (2-2.5')	Total/NA	Solid	5035	
880-8956-47	S-12 (3-3.5')	Total/NA	Solid	5035	
LCS 880-13948/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13948/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-8955-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-8955-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 13998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-1	S-1 (0-1')	Total/NA	Solid	8021B	13944
880-8956-2	S-1 (1-1.5')	Total/NA	Solid	8021B	13944
880-8956-3	S-1 (2-2.5')	Total/NA	Solid	8021B	13944
880-8956-4	S-2 (0-1')	Total/NA	Solid	8021B	13944
880-8956-5	S-2 (1-1.5')	Total/NA	Solid	8021B	13944
880-8956-6	S-2 (2-2.5')	Total/NA	Solid	8021B	13944
880-8956-7	S-2 (3-3.5')	Total/NA	Solid	8021B	13944
880-8956-8	S-3 (0-1')	Total/NA	Solid	8021B	13944
880-8956-9	S-3 (1-1.5')	Total/NA	Solid	8021B	13944
880-8956-10	S-3 (2-2.5')	Total/NA	Solid	8021B	13944
880-8956-11	S-4 (0-1')	Total/NA	Solid	8021B	13944
880-8956-12	S-4 (1-1.5')	Total/NA	Solid	8021B	13944
880-8956-13	S-4 (2-2.5')	Total/NA	Solid	8021B	13944
880-8956-14	S-4 (3-3.5')	Total/NA	Solid	8021B	13944
880-8956-15	S-5 (0-1')	Total/NA	Solid	8021B	13944
880-8956-16	S-5 (1-1.5')	Total/NA	Solid	8021B	13944
880-8956-17	S-5 (2-2.5')	Total/NA	Solid	8021B	13944
880-8956-18	S-5 (3-3.5')	Total/NA	Solid	8021B	13944
880-8956-19	S-5 (4-4.5')	Total/NA	Solid	8021B	13944
880-8956-20	S-6 (0-1')	Total/NA	Solid	8021B	13944
MB 880-13944/5-A	Method Blank	Total/NA	Solid	8021B	13944
LCS 880-13944/1-A	Lab Control Sample	Total/NA	Solid	8021B	13944
LCSD 880-13944/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13944
880-8956-1 MS	S-1 (0-1')	Total/NA	Solid	8021B	13944
880-8956-1 MSD	S-1 (0-1')	Total/NA	Solid	8021B	13944

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 14077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-21	S-6 (1-1.5')	Total/NA	Solid	5035	
880-8956-22	S-6 (2-2.5')	Total/NA	Solid	5035	
880-8956-23	S-6 (3-3.5')	Total/NA	Solid	5035	
880-8956-24	S-6 (4-4.5')	Total/NA	Solid	5035	
880-8956-25	S-7 (0-1')	Total/NA	Solid	5035	
880-8956-26	S-7 (1-1.5')	Total/NA	Solid	5035	
880-8956-27	S-7 (2-2.5')	Total/NA	Solid	5035	
880-8956-28	S-7 (3-3.5')	Total/NA	Solid	5035	
880-8956-29	S-8 (0-1')	Total/NA	Solid	5035	
880-8956-30	S-8 (1-1.5')	Total/NA	Solid	5035	
880-8956-31	S-8 (2-2.5')	Total/NA	Solid	5035	
880-8956-32	S-8 (3-3.5')	Total/NA	Solid	5035	
880-8956-33	S-9 (0-1')	Total/NA	Solid	5035	
880-8956-34	S-9 (1-1.5')	Total/NA	Solid	5035	
MB 880-14077/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-14077/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-14077/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-8956-21 MS	S-6 (1-1.5')	Total/NA	Solid	5035	
880-8956-21 MSD	S-6 (1-1.5')	Total/NA	Solid	5035	

Analysis Batch: 14140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-21	S-6 (1-1.5')	Total/NA	Solid	8021B	14077
880-8956-22	S-6 (2-2.5')	Total/NA	Solid	8021B	14077
880-8956-23	S-6 (3-3.5')	Total/NA	Solid	8021B	14077
880-8956-24	S-6 (4-4.5')	Total/NA	Solid	8021B	14077
880-8956-25	S-7 (0-1')	Total/NA	Solid	8021B	14077
880-8956-26	S-7 (1-1.5')	Total/NA	Solid	8021B	14077
880-8956-27	S-7 (2-2.5')	Total/NA	Solid	8021B	14077
880-8956-28	S-7 (3-3.5')	Total/NA	Solid	8021B	14077
880-8956-29	S-8 (0-1')	Total/NA	Solid	8021B	14077
880-8956-30	S-8 (1-1.5')	Total/NA	Solid	8021B	14077
880-8956-31	S-8 (2-2.5')	Total/NA	Solid	8021B	14077
880-8956-32	S-8 (3-3.5')	Total/NA	Solid	8021B	14077
880-8956-33	S-9 (0-1')	Total/NA	Solid	8021B	14077
880-8956-34	S-9 (1-1.5')	Total/NA	Solid	8021B	14077
MB 880-14077/5-A	Method Blank	Total/NA	Solid	8021B	14077
LCS 880-14077/1-A	Lab Control Sample	Total/NA	Solid	8021B	14077
LCSD 880-14077/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	14077
880-8956-21 MS	S-6 (1-1.5')	Total/NA	Solid	8021B	14077
880-8956-21 MSD	S-6 (1-1.5')	Total/NA	Solid	8021B	14077

Analysis Batch: 14141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-35	S-9 (2-2.5')	Total/NA	Solid	8021B	13947
880-8956-36	S-10 (0-1')	Total/NA	Solid	8021B	13947
880-8956-37	S-10 (1-1.5')	Total/NA	Solid	8021B	13947
880-8956-38	S-10 (2-2.5')	Total/NA	Solid	8021B	13947
880-8956-39	S-10 (3-3.5')	Total/NA	Solid	8021B	13947
880-8956-40	S-11 (0-1')	Total/NA	Solid	8021B	13947
MB 880-13947/5-A	Method Blank	Total/NA	Solid	8021B	13947

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 14141 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-13947/1-A	Lab Control Sample	Total/NA	Solid	8021B	13947
LCSD 880-13947/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13947
880-8956-35 MS	S-9 (2-2.5')	Total/NA	Solid	8021B	13947
880-8956-35 MSD	S-9 (2-2.5')	Total/NA	Solid	8021B	13947

Analysis Batch: 14158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-8956-2	S-1 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8956-3	S-1 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-4	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-8956-5	S-2 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8956-6	S-2 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-7	S-2 (3-3.5')	Total/NA	Solid	Total BTEX	
880-8956-8	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-8956-9	S-3 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8956-10	S-3 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-11	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-8956-12	S-4 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8956-13	S-4 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-14	S-4 (3-3.5')	Total/NA	Solid	Total BTEX	
880-8956-15	S-5 (0-1')	Total/NA	Solid	Total BTEX	
880-8956-16	S-5 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8956-17	S-5 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-18	S-5 (3-3.5')	Total/NA	Solid	Total BTEX	
880-8956-19	S-5 (4-4.5')	Total/NA	Solid	Total BTEX	
880-8956-20	S-6 (0-1')	Total/NA	Solid	Total BTEX	
880-8956-21	S-6 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8956-22	S-6 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-23	S-6 (3-3.5')	Total/NA	Solid	Total BTEX	
880-8956-24	S-6 (4-4.5')	Total/NA	Solid	Total BTEX	
880-8956-35	S-9 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-36	S-10 (0-1')	Total/NA	Solid	Total BTEX	
880-8956-37	S-10 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8956-38	S-10 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-39	S-10 (3-3.5')	Total/NA	Solid	Total BTEX	
880-8956-40	S-11 (0-1')	Total/NA	Solid	Total BTEX	

Analysis Batch: 14350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-25	S-7 (0-1')	Total/NA	Solid	Total BTEX	
880-8956-26	S-7 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8956-27	S-7 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-28	S-7 (3-3.5')	Total/NA	Solid	Total BTEX	
880-8956-29	S-8 (0-1')	Total/NA	Solid	Total BTEX	
880-8956-30	S-8 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8956-31	S-8 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-32	S-8 (3-3.5')	Total/NA	Solid	Total BTEX	
880-8956-33	S-9 (0-1')	Total/NA	Solid	Total BTEX	
880-8956-34	S-9 (1-1.5')	Total/NA	Solid	Total BTEX	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 14394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-41	S-11 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8956-42	S-11 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-43	S-11 (3-3.5')	Total/NA	Solid	Total BTEX	
880-8956-44	S-12 (0-1')	Total/NA	Solid	Total BTEX	
880-8956-45	S-12 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8956-46	S-12 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-47	S-12 (3-3.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 14145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-2	S-1 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-3	S-1 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8956-4	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-5	S-2 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-6	S-2 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8956-7	S-2 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8956-8	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-9	S-3 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-10	S-3 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8956-11	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-12	S-4 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-13	S-4 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8956-15	S-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-16	S-5 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-17	S-5 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8956-18	S-5 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8956-20	S-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-21	S-6 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-22	S-6 (2-2.5')	Total/NA	Solid	8015NM Prep	
MB 880-14145/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-14145/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14145/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-8956-1 MS	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-1 MSD	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 14147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-23	S-6 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8956-24	S-6 (4-4.5')	Total/NA	Solid	8015NM Prep	
880-8956-25	S-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-26	S-7 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-27	S-7 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8956-28	S-7 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8956-29	S-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-30	S-8 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-31	S-8 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8956-32	S-8 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8956-33	S-9 (0-1')	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 14147 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-34	S-9 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-35	S-9 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8956-36	S-10 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-37	S-10 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-38	S-10 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8956-39	S-10 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8956-40	S-11 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-41	S-11 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-42	S-11 (2-2.5')	Total/NA	Solid	8015NM Prep	
MB 880-14147/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-14147/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14147/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-8956-23 MS	S-6 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8956-23 MSD	S-6 (3-3.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 14148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-43	S-11 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8956-44	S-12 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-45	S-12 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-46	S-12 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8956-47	S-12 (3-3.5')	Total/NA	Solid	8015NM Prep	
MB 880-14148/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-14148/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14148/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-8956-43 MS	S-11 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8956-43 MSD	S-11 (3-3.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 14176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-1	S-1 (0-1')	Total/NA	Solid	8015B NM	14145
880-8956-2	S-1 (1-1.5')	Total/NA	Solid	8015B NM	14145
880-8956-3	S-1 (2-2.5')	Total/NA	Solid	8015B NM	14145
880-8956-4	S-2 (0-1')	Total/NA	Solid	8015B NM	14145
880-8956-5	S-2 (1-1.5')	Total/NA	Solid	8015B NM	14145
880-8956-6	S-2 (2-2.5')	Total/NA	Solid	8015B NM	14145
880-8956-7	S-2 (3-3.5')	Total/NA	Solid	8015B NM	14145
880-8956-8	S-3 (0-1')	Total/NA	Solid	8015B NM	14145
880-8956-9	S-3 (1-1.5')	Total/NA	Solid	8015B NM	14145
880-8956-10	S-3 (2-2.5')	Total/NA	Solid	8015B NM	14145
880-8956-11	S-4 (0-1')	Total/NA	Solid	8015B NM	14145
880-8956-12	S-4 (1-1.5')	Total/NA	Solid	8015B NM	14145
880-8956-13	S-4 (2-2.5')	Total/NA	Solid	8015B NM	14145
880-8956-15	S-5 (0-1')	Total/NA	Solid	8015B NM	14145
880-8956-16	S-5 (1-1.5')	Total/NA	Solid	8015B NM	14145
880-8956-17	S-5 (2-2.5')	Total/NA	Solid	8015B NM	14145
880-8956-18	S-5 (3-3.5')	Total/NA	Solid	8015B NM	14145
880-8956-20	S-6 (0-1')	Total/NA	Solid	8015B NM	14145
880-8956-21	S-6 (1-1.5')	Total/NA	Solid	8015B NM	14145
880-8956-22	S-6 (2-2.5')	Total/NA	Solid	8015B NM	14145
MB 880-14145/1-A	Method Blank	Total/NA	Solid	8015B NM	14145

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 14176 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-14145/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14145
LCSD 880-14145/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14145
880-8956-1 MS	S-1 (0-1')	Total/NA	Solid	8015B NM	14145
880-8956-1 MSD	S-1 (0-1')	Total/NA	Solid	8015B NM	14145

Analysis Batch: 14177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-14	S-4 (3-3.5')	Total/NA	Solid	8015B NM	14199
880-8956-19	S-5 (4-4.5')	Total/NA	Solid	8015B NM	14199
MB 880-14199/1-A	Method Blank	Total/NA	Solid	8015B NM	14199
LCS 880-14199/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14199
LCSD 880-14199/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14199
890-1666-A-121-F MS	Matrix Spike	Total/NA	Solid	8015B NM	14199
890-1666-A-121-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	14199

Prep Batch: 14199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-14	S-4 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8956-19	S-5 (4-4.5')	Total/NA	Solid	8015NM Prep	
MB 880-14199/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-14199/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14199/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1666-A-121-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1666-A-121-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 14242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-23	S-6 (3-3.5')	Total/NA	Solid	8015B NM	14147
880-8956-24	S-6 (4-4.5')	Total/NA	Solid	8015B NM	14147
880-8956-25	S-7 (0-1')	Total/NA	Solid	8015B NM	14147
880-8956-26	S-7 (1-1.5')	Total/NA	Solid	8015B NM	14147
880-8956-27	S-7 (2-2.5')	Total/NA	Solid	8015B NM	14147
880-8956-28	S-7 (3-3.5')	Total/NA	Solid	8015B NM	14147
880-8956-29	S-8 (0-1')	Total/NA	Solid	8015B NM	14147
880-8956-30	S-8 (1-1.5')	Total/NA	Solid	8015B NM	14147
880-8956-31	S-8 (2-2.5')	Total/NA	Solid	8015B NM	14147
880-8956-32	S-8 (3-3.5')	Total/NA	Solid	8015B NM	14147
880-8956-33	S-9 (0-1')	Total/NA	Solid	8015B NM	14147
880-8956-34	S-9 (1-1.5')	Total/NA	Solid	8015B NM	14147
880-8956-35	S-9 (2-2.5')	Total/NA	Solid	8015B NM	14147
880-8956-36	S-10 (0-1')	Total/NA	Solid	8015B NM	14147
880-8956-37	S-10 (1-1.5')	Total/NA	Solid	8015B NM	14147
880-8956-38	S-10 (2-2.5')	Total/NA	Solid	8015B NM	14147
880-8956-39	S-10 (3-3.5')	Total/NA	Solid	8015B NM	14147
880-8956-40	S-11 (0-1')	Total/NA	Solid	8015B NM	14147
880-8956-41	S-11 (1-1.5')	Total/NA	Solid	8015B NM	14147
880-8956-42	S-11 (2-2.5')	Total/NA	Solid	8015B NM	14147
MB 880-14147/1-A	Method Blank	Total/NA	Solid	8015B NM	14147
LCS 880-14147/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14147
LCSD 880-14147/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14147
880-8956-23 MS	S-6 (3-3.5')	Total/NA	Solid	8015B NM	14147

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 14242 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-23 MSD	S-6 (3-3.5')	Total/NA	Solid	8015B NM	14147

Analysis Batch: 14244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-43	S-11 (3-3.5')	Total/NA	Solid	8015B NM	14148
880-8956-44	S-12 (0-1')	Total/NA	Solid	8015B NM	14148
880-8956-45	S-12 (1-1.5')	Total/NA	Solid	8015B NM	14148
880-8956-46	S-12 (2-2.5')	Total/NA	Solid	8015B NM	14148
880-8956-47	S-12 (3-3.5')	Total/NA	Solid	8015B NM	14148
MB 880-14148/1-A	Method Blank	Total/NA	Solid	8015B NM	14148
LCS 880-14148/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14148
LCSD 880-14148/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14148
880-8956-43 MS	S-11 (3-3.5')	Total/NA	Solid	8015B NM	14148
880-8956-43 MSD	S-11 (3-3.5')	Total/NA	Solid	8015B NM	14148

Analysis Batch: 14360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-23	S-6 (3-3.5')	Total/NA	Solid	8015 NM	
880-8956-24	S-6 (4-4.5')	Total/NA	Solid	8015 NM	
880-8956-25	S-7 (0-1')	Total/NA	Solid	8015 NM	
880-8956-26	S-7 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-27	S-7 (2-2.5')	Total/NA	Solid	8015 NM	
880-8956-28	S-7 (3-3.5')	Total/NA	Solid	8015 NM	
880-8956-29	S-8 (0-1')	Total/NA	Solid	8015 NM	
880-8956-30	S-8 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-31	S-8 (2-2.5')	Total/NA	Solid	8015 NM	
880-8956-32	S-8 (3-3.5')	Total/NA	Solid	8015 NM	
880-8956-33	S-9 (0-1')	Total/NA	Solid	8015 NM	
880-8956-34	S-9 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-35	S-9 (2-2.5')	Total/NA	Solid	8015 NM	
880-8956-36	S-10 (0-1')	Total/NA	Solid	8015 NM	
880-8956-37	S-10 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-38	S-10 (2-2.5')	Total/NA	Solid	8015 NM	
880-8956-39	S-10 (3-3.5')	Total/NA	Solid	8015 NM	
880-8956-40	S-11 (0-1')	Total/NA	Solid	8015 NM	
880-8956-41	S-11 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-42	S-11 (2-2.5')	Total/NA	Solid	8015 NM	

Analysis Batch: 14395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-8956-2	S-1 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-3	S-1 (2-2.5')	Total/NA	Solid	8015 NM	
880-8956-4	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-8956-5	S-2 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-6	S-2 (2-2.5')	Total/NA	Solid	8015 NM	
880-8956-7	S-2 (3-3.5')	Total/NA	Solid	8015 NM	
880-8956-8	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-8956-9	S-3 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-10	S-3 (2-2.5')	Total/NA	Solid	8015 NM	
880-8956-11	S-4 (0-1')	Total/NA	Solid	8015 NM	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 14395 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-12	S-4 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-13	S-4 (2-2.5')	Total/NA	Solid	8015 NM	
880-8956-14	S-4 (3-3.5')	Total/NA	Solid	8015 NM	
880-8956-15	S-5 (0-1')	Total/NA	Solid	8015 NM	
880-8956-16	S-5 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-17	S-5 (2-2.5')	Total/NA	Solid	8015 NM	
880-8956-18	S-5 (3-3.5')	Total/NA	Solid	8015 NM	
880-8956-19	S-5 (4-4.5')	Total/NA	Solid	8015 NM	
880-8956-20	S-6 (0-1')	Total/NA	Solid	8015 NM	
880-8956-21	S-6 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-22	S-6 (2-2.5')	Total/NA	Solid	8015 NM	
880-8956-43	S-11 (3-3.5')	Total/NA	Solid	8015 NM	
880-8956-44	S-12 (0-1')	Total/NA	Solid	8015 NM	
880-8956-45	S-12 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-46	S-12 (2-2.5')	Total/NA	Solid	8015 NM	
880-8956-47	S-12 (3-3.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 14039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-46	S-12 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-47	S-12 (3-3.5')	Soluble	Solid	DI Leach	
MB 880-14039/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14039/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14039/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-8816-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-8816-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 14044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-8956-2	S-1 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-3	S-1 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-4	S-2 (0-1')	Soluble	Solid	DI Leach	
880-8956-5	S-2 (1-1.5')	Soluble	Solid	DI Leach	
MB 880-14044/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14044/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14044/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-8955-A-1-G MS	Matrix Spike	Soluble	Solid	DI Leach	
880-8955-A-1-H MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-8955-A-6-F MS	Matrix Spike	Soluble	Solid	DI Leach	
880-8955-A-6-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 14045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-6	S-2 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-7	S-2 (3-3.5')	Soluble	Solid	DI Leach	
880-8956-8	S-3 (0-1')	Soluble	Solid	DI Leach	
880-8956-9	S-3 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-10	S-3 (2-2.5')	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 14045 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-11	S-4 (0-1')	Soluble	Solid	DI Leach	
880-8956-12	S-4 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-13	S-4 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-14	S-4 (3-3.5')	Soluble	Solid	DI Leach	
880-8956-15	S-5 (0-1')	Soluble	Solid	DI Leach	
880-8956-16	S-5 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-17	S-5 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-18	S-5 (3-3.5')	Soluble	Solid	DI Leach	
880-8956-19	S-5 (4-4.5')	Soluble	Solid	DI Leach	
880-8956-20	S-6 (0-1')	Soluble	Solid	DI Leach	
880-8956-21	S-6 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-22	S-6 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-23	S-6 (3-3.5')	Soluble	Solid	DI Leach	
880-8956-24	S-6 (4-4.5')	Soluble	Solid	DI Leach	
880-8956-25	S-7 (0-1')	Soluble	Solid	DI Leach	
MB 880-14045/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14045/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14045/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-8956-6 MS	S-2 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-6 MSD	S-2 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-16 MS	S-5 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-16 MSD	S-5 (1-1.5')	Soluble	Solid	DI Leach	

Leach Batch: 14047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-26	S-7 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-27	S-7 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-28	S-7 (3-3.5')	Soluble	Solid	DI Leach	
880-8956-29	S-8 (0-1')	Soluble	Solid	DI Leach	
880-8956-30	S-8 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-31	S-8 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-32	S-8 (3-3.5')	Soluble	Solid	DI Leach	
880-8956-33	S-9 (0-1')	Soluble	Solid	DI Leach	
880-8956-34	S-9 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-35	S-9 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-36	S-10 (0-1')	Soluble	Solid	DI Leach	
880-8956-37	S-10 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-38	S-10 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-39	S-10 (3-3.5')	Soluble	Solid	DI Leach	
880-8956-40	S-11 (0-1')	Soluble	Solid	DI Leach	
880-8956-41	S-11 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-42	S-11 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-43	S-11 (3-3.5')	Soluble	Solid	DI Leach	
880-8956-44	S-12 (0-1')	Soluble	Solid	DI Leach	
880-8956-45	S-12 (1-1.5')	Soluble	Solid	DI Leach	
MB 880-14047/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14047/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14047/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-8956-26 MS	S-7 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-26 MSD	S-7 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-36 MS	S-10 (0-1')	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 14047 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-36 MSD	S-10 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 14239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-46	S-12 (2-2.5')	Soluble	Solid	300.0	14039
880-8956-47	S-12 (3-3.5')	Soluble	Solid	300.0	14039
MB 880-14039/1-A	Method Blank	Soluble	Solid	300.0	14039
LCS 880-14039/2-A	Lab Control Sample	Soluble	Solid	300.0	14039
LCSD 880-14039/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14039
880-8816-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	14039
880-8816-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	14039

Analysis Batch: 14300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-1	S-1 (0-1')	Soluble	Solid	300.0	14044
880-8956-2	S-1 (1-1.5')	Soluble	Solid	300.0	14044
880-8956-3	S-1 (2-2.5')	Soluble	Solid	300.0	14044
880-8956-4	S-2 (0-1')	Soluble	Solid	300.0	14044
880-8956-5	S-2 (1-1.5')	Soluble	Solid	300.0	14044
MB 880-14044/1-A	Method Blank	Soluble	Solid	300.0	14044
LCS 880-14044/2-A	Lab Control Sample	Soluble	Solid	300.0	14044
LCSD 880-14044/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14044
880-8955-A-1-G MS	Matrix Spike	Soluble	Solid	300.0	14044
880-8955-A-1-H MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	14044
880-8955-A-6-F MS	Matrix Spike	Soluble	Solid	300.0	14044
880-8955-A-6-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	14044

Analysis Batch: 14301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-6	S-2 (2-2.5')	Soluble	Solid	300.0	14045
880-8956-7	S-2 (3-3.5')	Soluble	Solid	300.0	14045
880-8956-8	S-3 (0-1')	Soluble	Solid	300.0	14045
880-8956-9	S-3 (1-1.5')	Soluble	Solid	300.0	14045
880-8956-10	S-3 (2-2.5')	Soluble	Solid	300.0	14045
880-8956-11	S-4 (0-1')	Soluble	Solid	300.0	14045
880-8956-12	S-4 (1-1.5')	Soluble	Solid	300.0	14045
880-8956-13	S-4 (2-2.5')	Soluble	Solid	300.0	14045
880-8956-14	S-4 (3-3.5')	Soluble	Solid	300.0	14045
880-8956-15	S-5 (0-1')	Soluble	Solid	300.0	14045
880-8956-16	S-5 (1-1.5')	Soluble	Solid	300.0	14045
880-8956-17	S-5 (2-2.5')	Soluble	Solid	300.0	14045
880-8956-18	S-5 (3-3.5')	Soluble	Solid	300.0	14045
880-8956-19	S-5 (4-4.5')	Soluble	Solid	300.0	14045
880-8956-20	S-6 (0-1')	Soluble	Solid	300.0	14045
880-8956-21	S-6 (1-1.5')	Soluble	Solid	300.0	14045
880-8956-22	S-6 (2-2.5')	Soluble	Solid	300.0	14045
880-8956-23	S-6 (3-3.5')	Soluble	Solid	300.0	14045
880-8956-24	S-6 (4-4.5')	Soluble	Solid	300.0	14045
880-8956-25	S-7 (0-1')	Soluble	Solid	300.0	14045
MB 880-14045/1-A	Method Blank	Soluble	Solid	300.0	14045
LCS 880-14045/2-A	Lab Control Sample	Soluble	Solid	300.0	14045

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 14301 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-14045/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14045
880-8956-6 MS	S-2 (2-2.5')	Soluble	Solid	300.0	14045
880-8956-6 MSD	S-2 (2-2.5')	Soluble	Solid	300.0	14045
880-8956-16 MS	S-5 (1-1.5')	Soluble	Solid	300.0	14045
880-8956-16 MSD	S-5 (1-1.5')	Soluble	Solid	300.0	14045

Analysis Batch: 14302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-26	S-7 (1-1.5')	Soluble	Solid	300.0	14047
880-8956-27	S-7 (2-2.5')	Soluble	Solid	300.0	14047
880-8956-28	S-7 (3-3.5')	Soluble	Solid	300.0	14047
880-8956-29	S-8 (0-1')	Soluble	Solid	300.0	14047
880-8956-30	S-8 (1-1.5')	Soluble	Solid	300.0	14047
880-8956-31	S-8 (2-2.5')	Soluble	Solid	300.0	14047
880-8956-32	S-8 (3-3.5')	Soluble	Solid	300.0	14047
880-8956-33	S-9 (0-1')	Soluble	Solid	300.0	14047
880-8956-34	S-9 (1-1.5')	Soluble	Solid	300.0	14047
880-8956-35	S-9 (2-2.5')	Soluble	Solid	300.0	14047
880-8956-36	S-10 (0-1')	Soluble	Solid	300.0	14047
880-8956-37	S-10 (1-1.5')	Soluble	Solid	300.0	14047
880-8956-38	S-10 (2-2.5')	Soluble	Solid	300.0	14047
880-8956-39	S-10 (3-3.5')	Soluble	Solid	300.0	14047
880-8956-40	S-11 (0-1')	Soluble	Solid	300.0	14047
880-8956-41	S-11 (1-1.5')	Soluble	Solid	300.0	14047
880-8956-42	S-11 (2-2.5')	Soluble	Solid	300.0	14047
880-8956-43	S-11 (3-3.5')	Soluble	Solid	300.0	14047
880-8956-44	S-12 (0-1')	Soluble	Solid	300.0	14047
880-8956-45	S-12 (1-1.5')	Soluble	Solid	300.0	14047
MB 880-14047/1-A	Method Blank	Soluble	Solid	300.0	14047
LCS 880-14047/2-A	Lab Control Sample	Soluble	Solid	300.0	14047
LCSD 880-14047/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14047
880-8956-26 MS	S-7 (1-1.5')	Soluble	Solid	300.0	14047
880-8956-26 MSD	S-7 (1-1.5')	Soluble	Solid	300.0	14047
880-8956-36 MS	S-10 (0-1')	Soluble	Solid	300.0	14047
880-8956-36 MSD	S-10 (0-1')	Soluble	Solid	300.0	14047

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8956-1

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 14:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/07/21 23:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14044	12/06/21 12:03	CA	XEN MID
Soluble	Analysis	300.0		1			14300	12/08/21 19:21	CH	XEN MID

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

Lab Sample ID: 880-8956-2

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 14:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 00:20	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14044	12/06/21 12:03	CA	XEN MID
Soluble	Analysis	300.0		1			14300	12/08/21 19:54	CH	XEN MID

Client Sample ID: S-1 (2-2.5')

Lab Sample ID: 880-8956-3

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 15:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 00:43	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14044	12/06/21 12:03	CA	XEN MID
Soluble	Analysis	300.0		1			14300	12/08/21 20:03	CH	XEN MID

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

Lab Sample ID: 880-8956-4

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 15:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8956-4

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 01:06	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	14044	12/06/21 12:03	CA	XEN MID
Soluble	Analysis	300.0		1			14300	12/09/21 08:26	CH	XEN MID

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

Lab Sample ID: 880-8956-5

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 15:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 01:29	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14044	12/06/21 12:03	CA	XEN MID
Soluble	Analysis	300.0		1			14300	12/09/21 08:34	CH	XEN MID

Client Sample ID: S-2 (2-2.5')

Lab Sample ID: 880-8956-6

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 16:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 01:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 09:00	SC	XEN MID

Client Sample ID: S-2 (3-3.5')

Lab Sample ID: 880-8956-7

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 16:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 02:16	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-2 (3-3.5')

Lab Sample ID: 880-8956-7

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 09:32	SC	XEN MID

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

Lab Sample ID: 880-8956-8

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 17:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 02:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 09:43	SC	XEN MID

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

Lab Sample ID: 880-8956-9

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 17:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 03:03	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		5			14301	12/09/21 09:54	SC	XEN MID

Client Sample ID: S-3 (2-2.5')

Lab Sample ID: 880-8956-10

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 18:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 03:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 10:05	SC	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8956-11

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 19:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 04:13	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 10:38	SC	XEN MID

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

Lab Sample ID: 880-8956-12

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 20:17	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 04:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 10:49	SC	XEN MID

Client Sample ID: S-4 (2-2.5')

Lab Sample ID: 880-8956-13

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 20:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 05:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 11:00	SC	XEN MID

Client Sample ID: S-4 (3-3.5')

Lab Sample ID: 880-8956-14

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 21:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-4 (3-3.5')

Lab Sample ID: 880-8956-14

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14199	12/07/21 13:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/08/21 06:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 11:11	SC	XEN MID

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

Lab Sample ID: 880-8956-15

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 21:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 05:24	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 11:21	SC	XEN MID

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

Lab Sample ID: 880-8956-16

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 22:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 05:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 11:32	SC	XEN MID

Client Sample ID: S-5 (2-2.5')

Lab Sample ID: 880-8956-17

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 22:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 06:08	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-5 (2-2.5')

Lab Sample ID: 880-8956-17

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 12:05	SC	XEN MID

Client Sample ID: S-5 (3-3.5')

Lab Sample ID: 880-8956-18

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 22:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 06:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 12:16	SC	XEN MID

Client Sample ID: S-5 (4-4.5')

Lab Sample ID: 880-8956-19

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 23:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14199	12/07/21 13:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/08/21 07:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 12:49	SC	XEN MID

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-8956-20

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 23:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 06:54	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		5			14301	12/09/21 13:00	SC	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-6 (1-1.5')

Lab Sample ID: 880-8956-21

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 11:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 07:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 13:11	SC	XEN MID

Client Sample ID: S-6 (2-2.5')

Lab Sample ID: 880-8956-22

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 11:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 07:40	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 13:22	SC	XEN MID

Client Sample ID: S-6 (3-3.5')

Lab Sample ID: 880-8956-23

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 11:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/08/21 21:31	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 13:33	SC	XEN MID

Client Sample ID: S-6 (4-4.5')

Lab Sample ID: 880-8956-24

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 12:17	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-6 (4-4.5')

Lab Sample ID: 880-8956-24

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/08/21 22:30	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 13:43	SC	XEN MID

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-8956-25

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 15:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/08/21 22:50	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 13:54	SC	XEN MID

Client Sample ID: S-7 (1-1.5')

Lab Sample ID: 880-8956-26

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 16:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/08/21 23:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/08/21 21:27	CH	XEN MID

Client Sample ID: S-7 (2-2.5')

Lab Sample ID: 880-8956-27

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 16:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/08/21 23:29	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-7 (2-2.5')

Lab Sample ID: 880-8956-27

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/08/21 21:52	CH	XEN MID

Client Sample ID: S-7 (3-3.5')

Lab Sample ID: 880-8956-28

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 16:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/08/21 23:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/08/21 22:00	CH	XEN MID

Client Sample ID: S-8 (0-1')

Lab Sample ID: 880-8956-29

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 17:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 00:08	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/08/21 22:09	CH	XEN MID

Client Sample ID: S-8 (1-1.5')

Lab Sample ID: 880-8956-30

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 17:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 00:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/08/21 22:17	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-8 (2-2.5')

Lab Sample ID: 880-8956-31

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 17:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 00:48	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/08/21 22:42	CH	XEN MID

Client Sample ID: S-8 (3-3.5')

Lab Sample ID: 880-8956-32

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 18:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 01:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/08/21 22:50	CH	XEN MID

Client Sample ID: S-9 (0-1')

Lab Sample ID: 880-8956-33

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 18:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 01:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		5			14302	12/08/21 22:59	CH	XEN MID

Client Sample ID: S-9 (1-1.5')

Lab Sample ID: 880-8956-34

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 18:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-9 (1-1.5')

Lab Sample ID: 880-8956-34

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 02:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/08/21 23:07	CH	XEN MID

Client Sample ID: S-9 (2-2.5')

Lab Sample ID: 880-8956-35

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13947	12/06/21 09:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14141	12/07/21 11:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 02:27	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/08/21 23:16	CH	XEN MID

Client Sample ID: S-10 (0-1')

Lab Sample ID: 880-8956-36

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13947	12/06/21 09:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14141	12/07/21 11:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 02:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		5			14302	12/08/21 23:24	CH	XEN MID

Client Sample ID: S-10 (1-1.5')

Lab Sample ID: 880-8956-37

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13947	12/06/21 09:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14141	12/07/21 12:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 03:06	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-10 (1-1.5')

Lab Sample ID: 880-8956-37

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		5			14302	12/08/21 23:49	CH	XEN MID

Client Sample ID: S-10 (2-2.5')

Lab Sample ID: 880-8956-38

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13947	12/06/21 09:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14141	12/07/21 12:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 03:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/08/21 23:57	CH	XEN MID

Client Sample ID: S-10 (3-3.5')

Lab Sample ID: 880-8956-39

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13947	12/06/21 09:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14141	12/07/21 12:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 03:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/09/21 00:22	CH	XEN MID

Client Sample ID: S-11 (0-1')

Lab Sample ID: 880-8956-40

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13947	12/06/21 17:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14141	12/07/21 13:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 04:06	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/09/21 00:31	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-11 (1-1.5')

Lab Sample ID: 880-8956-41

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	13948	12/06/21 09:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13934	12/07/21 02:15	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14394	12/09/21 14:43	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 04:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/09/21 00:39	CH	XEN MID

Client Sample ID: S-11 (2-2.5')

Lab Sample ID: 880-8956-42

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13948	12/06/21 09:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13934	12/07/21 02:36	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14394	12/09/21 14:43	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 04:45	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/09/21 00:48	CH	XEN MID

Client Sample ID: S-11 (3-3.5')

Lab Sample ID: 880-8956-43

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13948	12/06/21 09:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13934	12/07/21 02:56	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14394	12/09/21 14:43	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14148	12/07/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14244	12/08/21 21:31	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/09/21 00:56	CH	XEN MID

Client Sample ID: S-12 (0-1')

Lab Sample ID: 880-8956-44

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	13948	12/06/21 09:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13934	12/07/21 03:17	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14394	12/09/21 14:43	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-12 (0-1')

Lab Sample ID: 880-8956-44

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14148	12/07/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14244	12/08/21 22:30	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		5			14302	12/09/21 01:04	CH	XEN MID

Client Sample ID: S-12 (1-1.5')

Lab Sample ID: 880-8956-45

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13948	12/06/21 09:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13934	12/07/21 03:37	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14394	12/09/21 14:43	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14148	12/07/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14244	12/08/21 22:50	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/09/21 01:13	CH	XEN MID

Client Sample ID: S-12 (2-2.5')

Lab Sample ID: 880-8956-46

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13948	12/06/21 09:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13934	12/07/21 03:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14394	12/09/21 14:43	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14148	12/07/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14244	12/08/21 23:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14039	12/06/21 11:57	CA	XEN MID
Soluble	Analysis	300.0		5			14239	12/08/21 05:25	CH	XEN MID

Client Sample ID: S-12 (3-3.5')

Lab Sample ID: 880-8956-47

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13948	12/06/21 09:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13934	12/07/21 04:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14394	12/09/21 14:43	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14148	12/07/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14244	12/08/21 23:29	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-12 (3-3.5')
Date Collected: 12/03/21 00:00
Date Received: 12/06/21 08:15

Lab Sample ID: 880-8956-47
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			5.01 g	50 mL	14039	12/06/21 11:57	CA	XEN MID
Soluble	Analysis	300.0		5			14239	12/08/21 05:37	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
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

Eurofins Xenco, Midland

Sample Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-8956-1	S-1 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-2	S-1 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-3	S-1 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-4	S-2 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-5	S-2 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-6	S-2 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-7	S-2 (3-3.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-8	S-3 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-9	S-3 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-10	S-3 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-11	S-4 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-12	S-4 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-13	S-4 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-14	S-4 (3-3.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-15	S-5 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-16	S-5 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-17	S-5 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-18	S-5 (3-3.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-19	S-5 (4-4.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-20	S-6 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-21	S-6 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-22	S-6 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-23	S-6 (3-3.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-24	S-6 (4-4.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-25	S-7 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-26	S-7 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-27	S-7 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-28	S-7 (3-3.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-29	S-8 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-30	S-8 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-31	S-8 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-32	S-8 (3-3.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-33	S-9 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-34	S-9 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-35	S-9 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-36	S-10 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-37	S-10 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-38	S-10 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-39	S-10 (3-3.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-40	S-11 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-41	S-11 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-42	S-11 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-43	S-11 (3-3.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-44	S-12 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-45	S-12 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-46	S-12 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-47	S-12 (3-3.5')	Solid	12/03/21 00:00	12/06/21 08:15



Chain of Custody



880-8956 Chain of Custody

Page 1 of 5

Project Manager	Mike Camrona	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@nclen.com

Project Name	Cosmo Booster	Turn Around	☐ Routine ☒ Rush	Pres. Code	
Project Number	214966	Due Date	72Hrs		
Project Location	Lea Co. NM	TAT starts the day received by the lab if received by 4:30pm			
Sample's Name	ES / NH				
PO #					

SAMPLE RECEIPT	Temp Blank	Yes ☒ No ☐	Thermometer ID	Yes ☒ No ☐	Wet Ice	Yes ☒ No ☐
Received In tact	Yes ☒ No ☐	Correction Factor				
Cooler Custody Seals	Yes ☒ No ☐	Temperature Reading				
Sample Custody Seals	Yes ☒ No ☐	Corrected Temperature				
Total Containers						

Project Name	Cosmo Booster	Turn Around	☐ Routine ☒ Rush	Pres. Code	
Project Number	214966	Due Date	72Hrs		
Project Location	Lea Co. NM	TAT starts the day received by the lab if received by 4:30pm			
Sample's Name	ES / NH				
PO #					

SAMPLE RECEIPT	Temp Blank	Yes ☒ No ☐	Thermometer ID	Yes ☒ No ☐	Wet Ice	Yes ☒ No ☐
Received In tact	Yes ☒ No ☐	Correction Factor				
Cooler Custody Seals	Yes ☒ No ☐	Temperature Reading				
Sample Custody Seals	Yes ☒ No ☐	Corrected Temperature				
Total Containers						

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	ANALYSIS REQUEST										Preservative Codes	
							BTEX 8021B	TPH 8015M (GRO+DRO+MRO)	Chloride 300								HOLD	
S-1 (0-1')	12/3/2021		X		G	1	X	X	X								None NO	DI Water H ₂ O
S-1 (1-1.5')	12/3/2021		X		G	1	X	X	X								Cool Cool	MeOH Me
S-1 (2-2.5')	12/3/2021		X		G	1	X	X	X								HCL HC	HNO ₃ HN
S-2 (0-1')	12/3/2021		X		G	1	X	X	X								H ₂ SO ₄ H ₂	NaOH Na
S-2 (1-1.5')	12/3/2021		X		G	1	X	X	X								H ₃ PO ₄ HP	
S-2 (2-2.5')	12/3/2021		X		G	1	X	X	X								NaHSO ₄ NABIS	
S-2 (3-3.5')	12/3/2021		X		G	1	X	X	X								Na ₂ S ₂ O ₃ NaSO ₃	
S-3 (0-1')	12/3/2021		X		G	1	X	X	X								Zn Acetate+NaOH Zn	
S-3 (1-1.5')	12/3/2021		X		G	1	X	X	X								NaOH+Ascorbic Acid SAPC	
S-3 (2-2.5')	12/3/2021		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
<i>Joseph Vargo</i>	<i>Joe Vargo</i>	12/6/21 8:15			



Chain of Custody

Work Order No: 0956

Page 2 of 5

Project Manager:	Mike Camrona	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@nleap.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other	

Project Name:	Cosmo Booster	Turn Around	Pres. Code	ANALYSIS REQUEST				Preservative Codes
Project Number:	214956	☐ Routine ☒ Rush						None NO DI Water H ₂ O
Project Location:	Lea Co. NM	Due Date	72Hrs					Cool Cool MeOH Me
Sampler's Name:	ES / NH	TAT starts the day received by the lab if received by 4:30pm						HCL HC HNO ₃ HN
PO #:								H ₂ SO ₄ H ₂ NaOH Na
SAMPLE RECEIPT		Temp Blank: ☒ Yes ☒ No	Wet Ice: ☒ Yes ☒ No	Parameters				H ₃ PO ₄ HP
Received Intact:	☒ Yes ☒ No	Thermometer ID:	18	BTX 8021B				NaHSO ₄ NABIS
Cooler Custody Seals:	☒ Yes ☒ No	Correction Factor:	1.8	TPH 8015M (GRO+DRO+MRO)				Na ₂ S ₂ O ₃ NaSO ₃
Sample Custody Seals:	☒ Yes ☒ No	Temperature Reading:	1.9	Chloride 300				Zn Acetate+NaOH Zn
Total Containers:		Corrected Temperature:	1.9					NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH													Sample Comments
S-4 (0-1')	12/3/2021		X		G	1	X	X	X											402
S-4 (1-1.5')	12/3/2021		X		G	1	X	X	X											
S-4 (2-2.5')	12/3/2021		X		G	1	X	X	X											
S-4 (3-3.5')	12/3/2021		X		G	1	X	X	X											
S-5 (0-1')	12/3/2021		X		G	1	X	X	X											
S-5 (1-1.5')	12/3/2021		X		G	1	X	X	X											
S-5 (2-2.5')	12/3/2021		X		G	1	X	X	X											
S-5 (3-3.5')	12/3/2021		X		G	1	X	X	X											
S-5 (4-4.5')	12/3/2021		X		G	1	X	X	X											
S-6 (0-1')	12/3/2021		X		G	1	X	X	X											X

Additional Comments:

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Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>Joseph Vargo</i>	<i>R</i>	12/02/21 8:15			



Chain of Custody

Work Order No: 0050

Page 3 of 6

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@nnglep.com

Work Order Comments Program: ☐ UST/ ☐ PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project: Reporting Level I ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐ Deliverables EDD ☐ ADAPT ☐ Other			
---	--	--	--

Project Name	Cosmo Booster	Turn Around										ANALYSIS REQUEST		Preservative Codes					
Project Number	214956	☐ Routine	☒ Rush																
Project Location	Lea Co. NM	Due Date		72Hrs															
Sampler's Name:	ES / NH	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 In-lab:	(X) Yes () No	Thermometer ID	IRB																
Cooler Custody Seals.	Yes No (X) N/A	Correction Factor	10																
Sample Custody Seals.	Yes No (X) N/A	Temperature Reading	18																
Total Containers.		Corrected Temperature.	1.9																
Parameters																			
BTEx 8021B																			
PH 8015M (GRO+DRO+MRO)																			
Chloride 300																			
HOLD																			
None NO														DI Water- H ₂ O					
Cool Cool														MeOH Me					
HCL HC														HNO ₃ HN					
H ₂ SO ₄ H ₂														NaOH Na					
H ₃ PO ₄ HP																			
NaHSO ₄ NABIS																			
Na ₂ S ₂ O ₃ NaSO ₃																			
Zn Acetate+NaOH Zn																			
NaOH+Ascorbic Acid SAPC																			

[illegible]

Additional Comments:

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	Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1			12/6/21 8:15			
2						
3						
4						
5						
6						



Chain of Custody

Work Order No: 8954

Page 4 of 5

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@nnglep.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.		Cosmo Booster	
Project Number	214956		
Project Location	Lea Co., NM		
Sampler's Name.	ES / NH		
PO #.			
SAMPLE RECEIPT			
Received Intact:	Temp Blank: Yes No	Yes No Wet Ice	(Yes) No
Cooler Custody Seals.	Yes No N/A	Thermometer ID	108
Sample Custody Seals.	Yes No N/A	Correction Factor	1.0
Total Containers.		Temperature Reading	1.9
		Corrected Temperature	
Parameters		Pres. Code	
BTEx 8021B			
PH 8015M (GRO+DRO+MRO)			
Chloride 300			
HOLD			
None NO		DI Water H ₂ O	
Cool Cool		MeOH Me	
HCL HC		HNO ₃ HN	
H ₂ SO ₄ H ₂		NaOH Na	
H ₃ PO ₄ HP			
NaHSO ₄ NABIS			
Na ₂ S ₂ O ₃ NaSO ₃			
Zn Acetate+NaOH Zn			
NaOH+Ascorbic Acid SAPC			

[illegible]

Additional Comments:

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Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>Debra M. Gandy</i>	<i>Heather E</i>	12/6/21 8:15			



Chain of Custody

Work Order No: 8954

Page 5 of 5

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@nclap.com

Work Order Comments	
Program: UST/PT	PRP
Brownfields	RRC
Superfund	
State of Project	
Reporting Level II	Level III
PST/UST	RRP
Level IV	
Deliverables EDD	ADAPT
Other	

Project Name:	Cosmo Booster	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:	214956	☐ Routine ☒ Rush														None NO	DI Water- H ₂ O			
Project Location:	Lea Co. NM	Due Date	72Hrs													Cool Cool	MeOH Me			
Sample's Name:	ES / NH	TAT starts the day received by the lab if received by 4:30pm														HCL HC	HNO ₃ HN			
PO #:																H ₂ SO ₄ H ₂	NaOH Na			
SAMPLE RECEIPT	Temp Blank	Yes	No	Wet Ice	(Yes) No													H ₃ PO ₄ HP		
Received Intact:	Yes	No	Thermometer ID	1128													NaHSO ₄ NABIS			
Cooler Custody Seals:	Yes	No	Correction Factor	1.0													Na ₂ S ₂ O ₃ NaSO ₃			
Sample Custody Seals:	Yes	No	Temperature Reading	1.8													Zn Acetate+NaOH Zn			
Total Containers			Corrected Temperature:	1.8													NaOH+Ascorbic Acid SAPC			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
S-11 (1-1 5)	12/3/2021		X		G	1	X	X	X	X							402			
S-11 (2-2 5)	12/3/2021		X		G	1	X	X	X	X										
S-11 (3-3 5)	12/3/2021		X		G	1	X	X	X	X										
S-12 (0-1)	12/3/2021		X		G	1	X	X	X	X										
S-12 (1-1 5)	12/3/2021		X		G	1	X	X	X	X										
S-12 (2-2 5)	12/3/2021		X		G	1	X	X	X	X										
S-12 (3-3 5)	12/3/2021		X		G	1	X	X	X	X										

Additional Comments:

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Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>Byron McFarland</i>	<i>Buttles</i>	12/6/21 8:15			

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-8956-1

SDG Number: Lea Co, NM

Login Number: 8956

List Source: Eurofins Xenco, Midland

List Number: 1

Creator: Rodriguez, Leticia

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	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-9663-1

Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Cosmo Booster

For:

NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
12/30/2021 2:13:24 PM

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

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

Client: NT Global
Project/Site: Cosmo Booster

Laboratory Job ID: 880-9663-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Qualifiers

GC VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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)

Eurofins Xenco, Midland

Definitions/Glossary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Case Narrative

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Job ID: 880-9663-1**Laboratory: Eurofins Xenco, Midland****Narrative****Job Narrative
880-9663-1****Receipt**

The samples were received on 12/22/2021 3:31 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.9°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-3 (3') (880-9663-16), T-3 (4') (880-9663-17) and T-4 (1') (880-9663-19). 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 880-15492 and analytical batch 880-15482 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-15437 and analytical batch 880-15427 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-4 (5') (880-9663-23), T-5 (0-1') (880-9663-24), T-5 (1') (880-9663-25), T-5 (4') (880-9663-28), T-5 (6') (880-9663-30), (880-9663-A-20-B MS) and (880-9663-A-21-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-15658 and analytical batch 880-15680 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 sample was outside control limits: T-2 (2') (880-9663-9). 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

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-15397 and analytical batch 880-15657 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-15396 and analytical batch 880-15660 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-9663-1

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 12:08	12/23/21 22:12	1
Toluene	<0.00200	U *1 *+	0.00200		mg/Kg		12/23/21 12:08	12/23/21 22:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 12:08	12/23/21 22:12	1
m-Xylene & p-Xylene	<0.00400	U *1 *-	0.00400		mg/Kg		12/23/21 12:08	12/23/21 22:12	1
o-Xylene	0.00318	*1 *+	0.00200		mg/Kg		12/23/21 12:08	12/23/21 22:12	1
Xylenes, Total	<0.00400	U *1 *+	0.00400		mg/Kg		12/23/21 12:08	12/23/21 22:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	12/23/21 12:08	12/23/21 22:12	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/23/21 12:08	12/23/21 22:12	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	441		49.9		mg/Kg			12/30/21 09:39	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		12/28/21 13:45	12/29/21 11:12	1
Diesel Range Organics (Over C10-C28)	441	F1	49.9		mg/Kg		12/28/21 13:45	12/29/21 11:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 11:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	12/28/21 13:45	12/29/21 11:12	1
o-Terphenyl	117		70 - 130	12/28/21 13:45	12/29/21 11:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3440		25.0		mg/Kg			12/28/21 23:32	5

Client Sample ID: T-1 (1')

Lab Sample ID: 880-9663-2

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 12:08	12/23/21 22:32	1
Toluene	<0.00202	U *1 *+	0.00202		mg/Kg		12/23/21 12:08	12/23/21 22:32	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/23/21 12:08	12/23/21 22:32	1
m-Xylene & p-Xylene	<0.00403	U *1 *-	0.00403		mg/Kg		12/23/21 12:08	12/23/21 22:32	1
o-Xylene	<0.00202	U *1 *+	0.00202		mg/Kg		12/23/21 12:08	12/23/21 22:32	1
Xylenes, Total	<0.00403	U *1 *+	0.00403		mg/Kg		12/23/21 12:08	12/23/21 22:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	12/23/21 12:08	12/23/21 22:32	1
1,4-Difluorobenzene (Surr)	76		70 - 130	12/23/21 12:08	12/23/21 22:32	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-1 (1')

Lab Sample ID: 880-9663-2

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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			12/30/21 10:20	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			12/30/21 09:39	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		12/28/21 13:45	12/29/21 12:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 12:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 12:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				12/28/21 13:45	12/29/21 12:15	1
o-Terphenyl	109		70 - 130				12/28/21 13:45	12/29/21 12:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2100		25.2		mg/Kg			12/28/21 23:42	5

Client Sample ID: T-1 (2')

Lab Sample ID: 880-9663-3

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 12:08	12/23/21 22:52	1
Toluene	<0.00200	U *1 *	0.00200		mg/Kg		12/23/21 12:08	12/23/21 22:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 12:08	12/23/21 22:52	1
m-Xylene & p-Xylene	<0.00399	U *1 *	0.00399		mg/Kg		12/23/21 12:08	12/23/21 22:52	1
o-Xylene	<0.00200	U *1 *	0.00200		mg/Kg		12/23/21 12:08	12/23/21 22:52	1
Xylenes, Total	<0.00399	U *1 *	0.00399		mg/Kg		12/23/21 12:08	12/23/21 22:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/23/21 12:08	12/23/21 22:52	1
1,4-Difluorobenzene (Surr)	94		70 - 130				12/23/21 12:08	12/23/21 22:52	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			12/30/21 10:20	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			12/30/21 09:39	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		12/28/21 13:45	12/29/21 12:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 12:36	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-1 (2')

Lab Sample ID: 880-9663-3

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 12:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				12/28/21 13:45	12/29/21 12:36	1
o-Terphenyl	111		70 - 130				12/28/21 13:45	12/29/21 12:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4790		24.8		mg/Kg			12/28/21 23:52	5

Client Sample ID: T-1 (3')

Lab Sample ID: 880-9663-4

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 12:08	12/23/21 23:13	1
Toluene	<0.00199	U *1 *+	0.00199		mg/Kg		12/23/21 12:08	12/23/21 23:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/23/21 12:08	12/23/21 23:13	1
m-Xylene & p-Xylene	<0.00398	U *1 *	0.00398		mg/Kg		12/23/21 12:08	12/23/21 23:13	1
o-Xylene	<0.00199	U *1 *+	0.00199		mg/Kg		12/23/21 12:08	12/23/21 23:13	1
Xylenes, Total	<0.00398	U *1 *+	0.00398		mg/Kg		12/23/21 12:08	12/23/21 23:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				12/23/21 12:08	12/23/21 23:13	1
1,4-Difluorobenzene (Surr)	95		70 - 130				12/23/21 12:08	12/23/21 23:13	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			12/30/21 10:20	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			12/30/21 09:39	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		12/28/21 13:45	12/29/21 12:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 12:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 12:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				12/28/21 13:45	12/29/21 12:57	1
o-Terphenyl	110		70 - 130				12/28/21 13:45	12/29/21 12:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5250		50.2		mg/Kg			12/29/21 00:02	10

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-1 (4')

Lab Sample ID: 880-9663-5

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 12:08	12/23/21 23:33	1
Toluene	<0.00200	U *1 *+	0.00200		mg/Kg		12/23/21 12:08	12/23/21 23:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 12:08	12/23/21 23:33	1
m-Xylene & p-Xylene	<0.00401	U *1 *-	0.00401		mg/Kg		12/23/21 12:08	12/23/21 23:33	1
o-Xylene	<0.00200	U *1 *+	0.00200		mg/Kg		12/23/21 12:08	12/23/21 23:33	1
Xylenes, Total	<0.00401	U *1 *+	0.00401		mg/Kg		12/23/21 12:08	12/23/21 23:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	12/23/21 12:08	12/23/21 23:33	1
1,4-Difluorobenzene (Surr)	92		70 - 130	12/23/21 12:08	12/23/21 23:33	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			12/30/21 10:20	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			12/30/21 09:39	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		12/28/21 13:45	12/29/21 13:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 13:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	12/28/21 13:45	12/29/21 13:18	1
o-Terphenyl	106		70 - 130	12/28/21 13:45	12/29/21 13:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1390		25.1		mg/Kg			12/29/21 06:43	5

Client Sample ID: T-1 (5')

Lab Sample ID: 880-9663-6

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 12:08	12/24/21 01:23	1
Toluene	<0.00200	U *1 *+	0.00200		mg/Kg		12/23/21 12:08	12/24/21 01:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 12:08	12/24/21 01:23	1
m-Xylene & p-Xylene	<0.00399	U *1 *-	0.00399		mg/Kg		12/23/21 12:08	12/24/21 01:23	1
o-Xylene	<0.00200	U *1 *+	0.00200		mg/Kg		12/23/21 12:08	12/24/21 01:23	1
Xylenes, Total	<0.00399	U *1 *+	0.00399		mg/Kg		12/23/21 12:08	12/24/21 01:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	12/23/21 12:08	12/24/21 01:23	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/23/21 12:08	12/24/21 01:23	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-1 (5')

Lab Sample ID: 880-9663-6

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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			12/30/21 10:20	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			12/30/21 09:39	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		12/28/21 13:45	12/29/21 13:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 13:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 13:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				12/28/21 13:45	12/29/21 13:39	1
o-Terphenyl	114		70 - 130				12/28/21 13:45	12/29/21 13:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.1		5.05		mg/Kg			12/29/21 07:03	1

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

Lab Sample ID: 880-9663-7

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 12:08	12/24/21 01:43	1
Toluene	<0.00199	U *1 *+	0.00199		mg/Kg		12/23/21 12:08	12/24/21 01:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/23/21 12:08	12/24/21 01:43	1
m-Xylene & p-Xylene	<0.00398	U *1 *	0.00398		mg/Kg		12/23/21 12:08	12/24/21 01:43	1
o-Xylene	<0.00199	U *1 *+	0.00199		mg/Kg		12/23/21 12:08	12/24/21 01:43	1
Xylenes, Total	<0.00398	U *1 *+	0.00398		mg/Kg		12/23/21 12:08	12/24/21 01:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130				12/23/21 12:08	12/24/21 01:43	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/23/21 12:08	12/24/21 01:43	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			12/30/21 10:20	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			12/30/21 09:39	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		12/28/21 13:45	12/29/21 14:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 14:01	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-9663-7

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 14:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				12/28/21 13:45	12/29/21 14:01	1
o-Terphenyl	106		70 - 130				12/28/21 13:45	12/29/21 14:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2390		24.9		mg/Kg			12/29/21 07:10	5

Client Sample ID: T-2 (1')

Lab Sample ID: 880-9663-8

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 12:08	12/24/21 02:04	1
Toluene	<0.00201	U *1 **	0.00201		mg/Kg		12/23/21 12:08	12/24/21 02:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/23/21 12:08	12/24/21 02:04	1
m-Xylene & p-Xylene	<0.00402	U *1 *	0.00402		mg/Kg		12/23/21 12:08	12/24/21 02:04	1
o-Xylene	<0.00201	U *1 **	0.00201		mg/Kg		12/23/21 12:08	12/24/21 02:04	1
Xylenes, Total	<0.00402	U *1 **	0.00402		mg/Kg		12/23/21 12:08	12/24/21 02:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				12/23/21 12:08	12/24/21 02:04	1
1,4-Difluorobenzene (Surr)	94		70 - 130				12/23/21 12:08	12/24/21 02:04	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			12/30/21 10:20	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			12/30/21 09:39	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		12/28/21 13:45	12/29/21 14:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 14:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 14:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				12/28/21 13:45	12/29/21 14:22	1
o-Terphenyl	122		70 - 130				12/28/21 13:45	12/29/21 14:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3730		24.8		mg/Kg			12/29/21 07:16	5

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-2 (2')

Lab Sample ID: 880-9663-9

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 12:08	12/24/21 02:24	1
Toluene	<0.00199	U *1 *+	0.00199		mg/Kg		12/23/21 12:08	12/24/21 02:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/23/21 12:08	12/24/21 02:24	1
m-Xylene & p-Xylene	<0.00398	U *1 *-	0.00398		mg/Kg		12/23/21 12:08	12/24/21 02:24	1
o-Xylene	<0.00199	U *1 *+	0.00199		mg/Kg		12/23/21 12:08	12/24/21 02:24	1
Xylenes, Total	<0.00398	U *1 *+	0.00398		mg/Kg		12/23/21 12:08	12/24/21 02:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	12/23/21 12:08	12/24/21 02:24	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/23/21 12:08	12/24/21 02:24	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			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.5		50.0		mg/Kg			12/30/21 09:39	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	50.5		50.0		mg/Kg		12/28/21 13:45	12/29/21 14:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 14:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	12/28/21 13:45	12/29/21 14:43	1
o-Terphenyl	133	S1+	70 - 130	12/28/21 13:45	12/29/21 14:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2570		25.2		mg/Kg			12/29/21 07:23	5

Client Sample ID: T-2 (3')

Lab Sample ID: 880-9663-10

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 12:08	12/24/21 02:45	1
Toluene	<0.00200	U *1 *+	0.00200		mg/Kg		12/23/21 12:08	12/24/21 02:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 12:08	12/24/21 02:45	1
m-Xylene & p-Xylene	<0.00400	U *1 *-	0.00400		mg/Kg		12/23/21 12:08	12/24/21 02:45	1
o-Xylene	<0.00200	U *1 *+	0.00200		mg/Kg		12/23/21 12:08	12/24/21 02:45	1
Xylenes, Total	<0.00400	U *1 *+	0.00400		mg/Kg		12/23/21 12:08	12/24/21 02:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	12/23/21 12:08	12/24/21 02:45	1
1,4-Difluorobenzene (Surr)	90		70 - 130	12/23/21 12:08	12/24/21 02:45	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-2 (3')

Lab Sample ID: 880-9663-10

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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			12/30/21 10:20	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			12/30/21 09:39	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		12/28/21 13:45	12/29/21 15:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 15:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 15:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				12/28/21 13:45	12/29/21 15:04	1
o-Terphenyl	111		70 - 130				12/28/21 13:45	12/29/21 15:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1080		4.99		mg/Kg			12/29/21 07:43	1

Client Sample ID: T-2 (4')

Lab Sample ID: 880-9663-11

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 12:08	12/24/21 03:05	1
Toluene	<0.00199	U *1 *	0.00199		mg/Kg		12/23/21 12:08	12/24/21 03:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/23/21 12:08	12/24/21 03:05	1
m-Xylene & p-Xylene	<0.00398	U *1 *	0.00398		mg/Kg		12/23/21 12:08	12/24/21 03:05	1
o-Xylene	<0.00199	U *1 *	0.00199		mg/Kg		12/23/21 12:08	12/24/21 03:05	1
Xylenes, Total	<0.00398	U *1 *	0.00398		mg/Kg		12/23/21 12:08	12/24/21 03:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/23/21 12:08	12/24/21 03:05	1
1,4-Difluorobenzene (Surr)	93		70 - 130				12/23/21 12:08	12/24/21 03:05	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			12/30/21 10:20	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			12/30/21 09:39	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		12/28/21 13:45	12/29/21 15:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 15:45	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-2 (4')

Lab Sample ID: 880-9663-11

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 15:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				12/28/21 13:45	12/29/21 15:45	1
o-Terphenyl	115		70 - 130				12/28/21 13:45	12/29/21 15:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	616		4.98		mg/Kg			12/29/21 07:49	1

Client Sample ID: T-2 (5')

Lab Sample ID: 880-9663-12

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 12:08	12/24/21 03:25	1
Toluene	<0.00200	U *1 *	0.00200		mg/Kg		12/23/21 12:08	12/24/21 03:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 12:08	12/24/21 03:25	1
m-Xylene & p-Xylene	<0.00399	U *1 *	0.00399		mg/Kg		12/23/21 12:08	12/24/21 03:25	1
o-Xylene	<0.00200	U *1 *	0.00200		mg/Kg		12/23/21 12:08	12/24/21 03:25	1
Xylenes, Total	<0.00399	U *1 *	0.00399		mg/Kg		12/23/21 12:08	12/24/21 03:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				12/23/21 12:08	12/24/21 03:25	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/23/21 12:08	12/24/21 03:25	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			12/30/21 10:20	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			12/30/21 09:39	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		12/28/21 13:45	12/29/21 16:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/28/21 13:45	12/29/21 16:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/28/21 13:45	12/29/21 16:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				12/28/21 13:45	12/29/21 16:06	1
o-Terphenyl	111		70 - 130				12/28/21 13:45	12/29/21 16:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		4.95		mg/Kg			12/29/21 07:56	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-9663-13

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 12:08	12/24/21 03:46	1
Toluene	<0.00199	U *1 *+	0.00199		mg/Kg		12/23/21 12:08	12/24/21 03:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/23/21 12:08	12/24/21 03:46	1
m-Xylene & p-Xylene	<0.00398	U *1 *-	0.00398		mg/Kg		12/23/21 12:08	12/24/21 03:46	1
o-Xylene	<0.00199	U *1 *+	0.00199		mg/Kg		12/23/21 12:08	12/24/21 03:46	1
Xylenes, Total	<0.00398	U *1 *+	0.00398		mg/Kg		12/23/21 12:08	12/24/21 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	12/23/21 12:08	12/24/21 03:46	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/23/21 12:08	12/24/21 03:46	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			12/30/21 10:20	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			12/30/21 09:39	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		12/28/21 13:45	12/29/21 16:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 16:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	12/28/21 13:45	12/29/21 16:27	1
o-Terphenyl	98		70 - 130	12/28/21 13:45	12/29/21 16:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.4		5.01		mg/Kg			12/29/21 08:03	1

Client Sample ID: T-3 (1')

Lab Sample ID: 880-9663-14

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 12:08	12/24/21 04:06	1
Toluene	<0.00201	U *1 *+	0.00201		mg/Kg		12/23/21 12:08	12/24/21 04:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/23/21 12:08	12/24/21 04:06	1
m-Xylene & p-Xylene	<0.00402	U *1 *-	0.00402		mg/Kg		12/23/21 12:08	12/24/21 04:06	1
o-Xylene	<0.00201	U *1 *+	0.00201		mg/Kg		12/23/21 12:08	12/24/21 04:06	1
Xylenes, Total	<0.00402	U *1 *+	0.00402		mg/Kg		12/23/21 12:08	12/24/21 04:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	12/23/21 12:08	12/24/21 04:06	1
1,4-Difluorobenzene (Surr)	73		70 - 130	12/23/21 12:08	12/24/21 04:06	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-3 (1')

Lab Sample ID: 880-9663-14

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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			12/30/21 10:20	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			12/30/21 09:39	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		12/28/21 13:45	12/29/21 16:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 16:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				12/28/21 13:45	12/29/21 16:48	1
o-Terphenyl	107		70 - 130				12/28/21 13:45	12/29/21 16:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.60		4.98		mg/Kg			12/29/21 08:09	1

Client Sample ID: T-3 (2')

Lab Sample ID: 880-9663-15

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 12:08	12/24/21 04:27	1
Toluene	<0.00200	U *1 *	0.00200		mg/Kg		12/23/21 12:08	12/24/21 04:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 12:08	12/24/21 04:27	1
m-Xylene & p-Xylene	<0.00401	U *1 *	0.00401		mg/Kg		12/23/21 12:08	12/24/21 04:27	1
o-Xylene	<0.00200	U *1 *	0.00200		mg/Kg		12/23/21 12:08	12/24/21 04:27	1
Xylenes, Total	<0.00401	U *1 *	0.00401		mg/Kg		12/23/21 12:08	12/24/21 04:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				12/23/21 12:08	12/24/21 04:27	1
1,4-Difluorobenzene (Surr)	108		70 - 130				12/23/21 12:08	12/24/21 04:27	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			12/30/21 10:20	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			12/30/21 09:39	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		12/28/21 13:45	12/29/21 17:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 17:09	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-3 (2')

Lab Sample ID: 880-9663-15

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 17:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				12/28/21 13:45	12/29/21 17:09	1
o-Terphenyl	104		70 - 130				12/28/21 13:45	12/29/21 17:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U F1	4.99		mg/Kg			12/29/21 08:16	1

Client Sample ID: T-3 (3')

Lab Sample ID: 880-9663-16

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 16:34	12/24/21 13:53	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/23/21 16:34	12/24/21 13:53	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/23/21 16:34	12/24/21 13:53	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/23/21 16:34	12/24/21 13:53	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/23/21 16:34	12/24/21 13:53	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/23/21 16:34	12/24/21 13:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130				12/23/21 16:34	12/24/21 13:53	1
1,4-Difluorobenzene (Surr)	92		70 - 130				12/23/21 16:34	12/24/21 13:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/28/21 08:37	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			12/30/21 09:39	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		12/28/21 13:45	12/29/21 17:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 17:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 17:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				12/28/21 13:45	12/29/21 17:30	1
o-Terphenyl	105		70 - 130				12/28/21 13:45	12/29/21 17:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.68		5.02		mg/Kg			12/29/21 08:36	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-3 (4')

Lab Sample ID: 880-9663-17

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00389		0.00200		mg/Kg		12/23/21 16:34	12/24/21 14:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:34	12/24/21 14:13	1
Ethylbenzene	0.0109		0.00200		mg/Kg		12/23/21 16:34	12/24/21 14:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/23/21 16:34	12/24/21 14:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:34	12/24/21 14:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/23/21 16:34	12/24/21 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	171	S1+	70 - 130	12/23/21 16:34	12/24/21 14:13	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/23/21 16:34	12/24/21 14:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0148		0.00399		mg/Kg			12/28/21 08:37	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			12/30/21 09:39	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		12/28/21 13:45	12/29/21 17:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 17:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	12/28/21 13:45	12/29/21 17:51	1
o-Terphenyl	104		70 - 130	12/28/21 13:45	12/29/21 17:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.54		4.98		mg/Kg			12/29/21 08:43	1

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

Lab Sample ID: 880-9663-18

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 16:34	12/24/21 14:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/23/21 16:34	12/24/21 14:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/23/21 16:34	12/24/21 14:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/23/21 16:34	12/24/21 14:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/23/21 16:34	12/24/21 14:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/23/21 16:34	12/24/21 14:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/23/21 16:34	12/24/21 14:33	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/23/21 16:34	12/24/21 14:33	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-9663-18

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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			12/28/21 08:37	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			12/30/21 09:39	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		12/28/21 13:45	12/29/21 18:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 18:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 18:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				12/28/21 13:45	12/29/21 18:10	1
o-Terphenyl	105		70 - 130				12/28/21 13:45	12/29/21 18:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	658		4.97		mg/Kg			12/29/21 09:03	1

Client Sample ID: T-4 (1')

Lab Sample ID: 880-9663-19

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 16:34	12/24/21 14:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:34	12/24/21 14:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:34	12/24/21 14:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/23/21 16:34	12/24/21 14:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:34	12/24/21 14:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/23/21 16:34	12/24/21 14:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130				12/23/21 16:34	12/24/21 14:54	1
1,4-Difluorobenzene (Surr)	84		70 - 130				12/23/21 16:34	12/24/21 14:54	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			12/28/21 08:37	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			12/30/21 09:39	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		12/28/21 13:45	12/29/21 18:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 18:31	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-4 (1')

Lab Sample ID: 880-9663-19

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 18:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				12/28/21 13:45	12/29/21 18:31	1
o-Terphenyl	106		70 - 130				12/28/21 13:45	12/29/21 18:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		4.95		mg/Kg			12/29/21 09:09	1

Client Sample ID: T-4 (2')

Lab Sample ID: 880-9663-20

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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		12/28/21 10:04	12/28/21 14:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/28/21 10:04	12/28/21 14:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/28/21 10:04	12/28/21 14:07	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/28/21 10:04	12/28/21 14:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/28/21 10:04	12/28/21 14:07	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/28/21 10:04	12/28/21 14:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				12/28/21 10:04	12/28/21 14:07	1
1,4-Difluorobenzene (Surr)	110		70 - 130				12/28/21 10:04	12/28/21 14:07	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			12/30/21 10:20	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			12/30/21 09:39	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		12/28/21 13:45	12/29/21 18:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 18:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 18:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				12/28/21 13:45	12/29/21 18:51	1
o-Terphenyl	108		70 - 130				12/28/21 13:45	12/29/21 18:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.7		4.96		mg/Kg			12/29/21 09:16	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-4 (3')

Lab Sample ID: 880-9663-21

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 10:04	12/28/21 14:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 14:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 14:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 14:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 14:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	12/28/21 10:04	12/28/21 14:27	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/28/21 10:04	12/28/21 14:27	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			12/30/21 10:20	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			12/30/21 10:33	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		12/28/21 08:30	12/28/21 15:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 15:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 15:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	12/28/21 08:30	12/28/21 15:34	1
o-Terphenyl	97		70 - 130	12/28/21 08:30	12/28/21 15:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.9		5.00		mg/Kg			12/29/21 09:23	1

Client Sample ID: T-4 (4')

Lab Sample ID: 880-9663-22

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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		12/28/21 10:04	12/28/21 14:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 14:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 14:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 14:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 14:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/28/21 10:04	12/28/21 14:47	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/28/21 10:04	12/28/21 14:47	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-4 (4')

Lab Sample ID: 880-9663-22

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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			12/30/21 10:20	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			12/30/21 10:33	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		12/28/21 08:30	12/28/21 16:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 16:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 16:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				12/28/21 08:30	12/28/21 16:36	1
o-Terphenyl	103		70 - 130				12/28/21 08:30	12/28/21 16:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	218		5.03		mg/Kg			12/29/21 09:29	1

Client Sample ID: T-4 (5')

Lab Sample ID: 880-9663-23

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 10:04	12/28/21 15:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 15:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 15:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 15:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 15:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 15:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130				12/28/21 10:04	12/28/21 15:08	1
1,4-Difluorobenzene (Surr)	101		70 - 130				12/28/21 10:04	12/28/21 15:08	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			12/30/21 10:20	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			12/30/21 10:33	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		12/28/21 08:30	12/28/21 16:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 16:57	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-4 (5')

Lab Sample ID: 880-9663-23

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 16:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				12/28/21 08:30	12/28/21 16:57	1
o-Terphenyl	114		70 - 130				12/28/21 08:30	12/28/21 16:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		5.04		mg/Kg			12/29/21 09:36	1

Client Sample ID: T-5 (0-1')

Lab Sample ID: 880-9663-24

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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		12/28/21 10:04	12/28/21 15:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 15:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 15:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 15:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 15:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 15:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130				12/28/21 10:04	12/28/21 15:28	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/28/21 10:04	12/28/21 15:28	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			12/30/21 10:20	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			12/30/21 10:33	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		12/28/21 08:30	12/28/21 17:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 17:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 17:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				12/28/21 08:30	12/28/21 17:18	1
o-Terphenyl	96		70 - 130				12/28/21 08:30	12/28/21 17:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1170		5.02		mg/Kg			12/29/21 09:43	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-5 (1')

Lab Sample ID: 880-9663-25

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 10:04	12/28/21 15:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 15:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 15:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 15:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 15:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	12/28/21 10:04	12/28/21 15:49	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/28/21 10:04	12/28/21 15:49	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/30/21 10:20	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			12/30/21 10:33	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		12/28/21 08:30	12/28/21 17:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/28/21 08:30	12/28/21 17:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/28/21 08:30	12/28/21 17:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	12/28/21 08:30	12/28/21 17:38	1
o-Terphenyl	101		70 - 130	12/28/21 08:30	12/28/21 17:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2560	F1	25.1		mg/Kg			12/29/21 02:49	5

Client Sample ID: T-5 (2')

Lab Sample ID: 880-9663-26

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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		12/28/21 10:04	12/28/21 16:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 16:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 16:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 16:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 16:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	12/28/21 10:04	12/28/21 16:09	1
1,4-Difluorobenzene (Surr)	85		70 - 130	12/28/21 10:04	12/28/21 16:09	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-5 (2')

Lab Sample ID: 880-9663-26

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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			12/30/21 10:20	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			12/30/21 10:33	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		12/28/21 08:30	12/28/21 17:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 17:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				12/28/21 08:30	12/28/21 17:59	1
o-Terphenyl	101		70 - 130				12/28/21 08:30	12/28/21 17:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3270		25.3		mg/Kg			12/29/21 03:09	5

Client Sample ID: T-5 (3')

Lab Sample ID: 880-9663-27

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 10:04	12/28/21 16:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/28/21 10:04	12/28/21 16:29	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/28/21 10:04	12/28/21 16:29	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		12/28/21 10:04	12/28/21 16:29	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/28/21 10:04	12/28/21 16:29	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		12/28/21 10:04	12/28/21 16:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				12/28/21 10:04	12/28/21 16:29	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/28/21 10:04	12/28/21 16:29	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			12/30/21 10:20	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			12/30/21 10:33	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		12/28/21 08:30	12/28/21 18:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 18:20	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-5 (3')

Lab Sample ID: 880-9663-27

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 18:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/28/21 08:30	12/28/21 18:20	1
o-Terphenyl	102		70 - 130				12/28/21 08:30	12/28/21 18:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4930		24.9		mg/Kg			12/29/21 03:16	5

Client Sample ID: T-5 (4')

Lab Sample ID: 880-9663-28

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 10:04	12/28/21 16:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 16:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 16:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 16:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 16:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 16:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130				12/28/21 10:04	12/28/21 16:50	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/28/21 10:04	12/28/21 16:50	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			12/30/21 10:20	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			12/30/21 10:33	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		12/28/21 08:30	12/28/21 18:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 18:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				12/28/21 08:30	12/28/21 18:40	1
o-Terphenyl	106		70 - 130				12/28/21 08:30	12/28/21 18:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3450		24.8		mg/Kg			12/29/21 03:23	5

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-5 (5')

Lab Sample ID: 880-9663-29

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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		12/28/21 10:04	12/28/21 17:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 17:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 17:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 17:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 17:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	12/28/21 10:04	12/28/21 17:10	1
1,4-Difluorobenzene (Surr)	83		70 - 130	12/28/21 10:04	12/28/21 17:10	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			12/30/21 10:20	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			12/30/21 10:33	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		12/28/21 08:30	12/28/21 19:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 19:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	12/28/21 08:30	12/28/21 19:01	1
o-Terphenyl	86		70 - 130	12/28/21 08:30	12/28/21 19:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.7		5.04		mg/Kg			12/29/21 03:30	1

Client Sample ID: T-5 (6')

Lab Sample ID: 880-9663-30

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 10:04	12/28/21 18:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 18:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 18:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 18:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 18:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130	12/28/21 10:04	12/28/21 18:32	1
1,4-Difluorobenzene (Surr)	110		70 - 130	12/28/21 10:04	12/28/21 18:32	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-5 (6')

Lab Sample ID: 880-9663-30

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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			12/30/21 10:20	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			12/30/21 10:33	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		12/28/21 08:30	12/28/21 19:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 19:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 19:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/28/21 08:30	12/28/21 19:22	1
o-Terphenyl	95		70 - 130				12/28/21 08:30	12/28/21 19:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.7		4.99		mg/Kg			12/29/21 03:50	1

Client Sample ID: T-6 (0-1')

Lab Sample ID: 880-9663-31

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00201		0.00199		mg/Kg		12/28/21 10:04	12/28/21 18:53	1
Toluene	0.00428		0.00199		mg/Kg		12/28/21 10:04	12/28/21 18:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 18:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 18:53	1
o-Xylene	0.00270		0.00199		mg/Kg		12/28/21 10:04	12/28/21 18:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 18:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				12/28/21 10:04	12/28/21 18:53	1
1,4-Difluorobenzene (Surr)	85		70 - 130				12/28/21 10:04	12/28/21 18:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00899		0.00398		mg/Kg			12/30/21 10:20	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			12/30/21 10:33	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		12/28/21 08:30	12/28/21 20:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 20:06	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-6 (0-1')

Lab Sample ID: 880-9663-31

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 20:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				12/28/21 08:30	12/28/21 20:06	1
o-Terphenyl	105		70 - 130				12/28/21 08:30	12/28/21 20:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2600		24.9		mg/Kg			12/29/21 03:56	5

Client Sample ID: T-6 (1')

Lab Sample ID: 880-9663-32

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 10:04	12/28/21 19:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 19:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 19:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 19:13	1
o-Xylene	0.00235		0.00199		mg/Kg		12/28/21 10:04	12/28/21 19:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				12/28/21 10:04	12/28/21 19:13	1
1,4-Difluorobenzene (Surr)	90		70 - 130				12/28/21 10:04	12/28/21 19:13	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			12/30/21 10:20	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			12/30/21 10:33	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		12/28/21 08:30	12/28/21 20:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 20:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 20:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				12/28/21 08:30	12/28/21 20:28	1
o-Terphenyl	97		70 - 130				12/28/21 08:30	12/28/21 20:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2630		24.8		mg/Kg			12/29/21 04:03	5

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-6 (2')

Lab Sample ID: 880-9663-33

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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		12/28/21 10:04	12/28/21 19:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 19:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 19:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 19:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 19:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 19:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	12/28/21 10:04	12/28/21 19:33	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/28/21 10:04	12/28/21 19:33	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			12/30/21 10:20	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			12/30/21 10:33	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		12/28/21 08:30	12/28/21 20:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 20:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 20:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	12/28/21 08:30	12/28/21 20:51	1
o-Terphenyl	101		70 - 130	12/28/21 08:30	12/28/21 20:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2030		25.1		mg/Kg			12/29/21 04:10	5

Client Sample ID: T-6 (3')

Lab Sample ID: 880-9663-34

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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		12/28/21 10:04	12/28/21 19:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 19:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 19:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/28/21 10:04	12/28/21 19:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 19:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/28/21 10:04	12/28/21 19:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	12/28/21 10:04	12/28/21 19:54	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/28/21 10:04	12/28/21 19:54	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-6 (3')

Lab Sample ID: 880-9663-34

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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			12/30/21 10:20	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			12/30/21 10:33	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		12/28/21 08:30	12/28/21 21:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 21:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 21:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/28/21 08:30	12/28/21 21:13	1
o-Terphenyl	101		70 - 130				12/28/21 08:30	12/28/21 21:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1210		4.98		mg/Kg			12/29/21 04:16	1

Client Sample ID: T-6 (4')

Lab Sample ID: 880-9663-35

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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		12/28/21 10:04	12/28/21 20:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 20:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 20:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/28/21 10:04	12/28/21 20:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 20:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/28/21 10:04	12/28/21 20:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				12/28/21 10:04	12/28/21 20:14	1
1,4-Difluorobenzene (Surr)	106		70 - 130				12/28/21 10:04	12/28/21 20:14	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			12/30/21 10:20	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			12/30/21 10:33	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		12/28/21 08:30	12/28/21 21:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 21:35	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-6 (4')

Lab Sample ID: 880-9663-35

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 21:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/28/21 08:30	12/28/21 21:35	1
o-Terphenyl	99		70 - 130				12/28/21 08:30	12/28/21 21:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2210	F1	25.0		mg/Kg			12/29/21 04:23	5

Client Sample ID: T-6 (5')

Lab Sample ID: 880-9663-36

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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 10:04	12/28/21 20:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/28/21 10:04	12/28/21 20:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/28/21 10:04	12/28/21 20:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/28/21 10:04	12/28/21 20:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/28/21 10:04	12/28/21 20:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/28/21 10:04	12/28/21 20:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				12/28/21 10:04	12/28/21 20:35	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/28/21 10:04	12/28/21 20:35	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			12/30/21 10:20	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			12/30/21 10:33	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		12/28/21 08:30	12/28/21 21:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 21:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 21:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				12/28/21 08:30	12/28/21 21:58	1
o-Terphenyl	97		70 - 130				12/28/21 08:30	12/28/21 21:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1050		5.02		mg/Kg			12/29/21 04:43	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-6 (6')

Lab Sample ID: 880-9663-37

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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		12/28/21 10:04	12/28/21 20:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 20:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 20:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 20:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 20:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 20:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	12/28/21 10:04	12/28/21 20:55	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/28/21 10:04	12/28/21 20:55	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			12/30/21 10:20	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			12/30/21 10:33	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		12/28/21 08:30	12/28/21 22:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 22:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 22:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	12/28/21 08:30	12/28/21 22:22	1
o-Terphenyl	92		70 - 130	12/28/21 08:30	12/28/21 22:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.4		4.98		mg/Kg			12/29/21 04:50	1

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
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)
880-9655-A-11-F MS	Matrix Spike	147 S1+	111
880-9655-A-11-G MSD	Matrix Spike Duplicate	149 S1+	89
880-9663-1	T-1 (0-1')	108	95
880-9663-2	T-1 (1')	84	76
880-9663-3	T-1 (2')	123	94
880-9663-4	T-1 (3')	119	95
880-9663-5	T-1 (4')	116	92
880-9663-6	T-1 (5')	126	99
880-9663-7	T-2 (0-1')	71	107
880-9663-8	T-2 (1')	126	94
880-9663-9	T-2 (2')	112	96
880-9663-10	T-2 (3')	112	90
880-9663-11	T-2 (4')	123	93
880-9663-12	T-2 (5')	121	102
880-9663-13	T-3 (0-1')	118	97
880-9663-14	T-3 (1')	89	73
880-9663-15	T-3 (2')	131 S1+	108
880-9663-16	T-3 (3')	136 S1+	92
880-9663-17	T-3 (4')	171 S1+	93
880-9663-18	T-4 (0-1')	114	99
880-9663-19	T-4 (1')	142 S1+	84
880-9663-20	T-4 (2')	122	110
880-9663-20 MS	T-4 (2')	163 S1+	112
880-9663-21	T-4 (3')	127	103
880-9663-22	T-4 (4')	121	105
880-9663-23	T-4 (5')	138 S1+	101
880-9663-24	T-5 (0-1')	152 S1+	104
880-9663-25	T-5 (1')	136 S1+	103
880-9663-26	T-5 (2')	125	85
880-9663-27	T-5 (3')	113	102
880-9663-28	T-5 (4')	154 S1+	104
880-9663-29	T-5 (5')	129	83
880-9663-30	T-5 (6')	141 S1+	110
880-9663-31	T-6 (0-1')	97	85
880-9663-32	T-6 (1')	105	90
880-9663-33	T-6 (2')	116	97
880-9663-34	T-6 (3')	117	101
880-9663-35	T-6 (4')	111	106
880-9663-36	T-6 (5')	110	99
880-9663-37	T-6 (6')	119	96
890-1744-A-4-D MS	Matrix Spike	117	97
890-1744-A-4-E MSD	Matrix Spike Duplicate	141 S1+	104
LCS 880-15437/1-A	Lab Control Sample	626 S1+	53 S1-
LCS 880-15492/1-A	Lab Control Sample	102	105
LCS 880-15624/1-A	Lab Control Sample	127	117
LCSD 880-15437/2-A	Lab Control Sample Dup	113	102
LCSD 880-15492/2-A	Lab Control Sample Dup	99	96
LCSD 880-15624/2-A	Lab Control Sample Dup	127	110
MB 880-15437/5-A	Method Blank	122	100

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)				
MB 880-15491/5-A	Method Blank	105	96				
MB 880-15492/5-A	Method Blank	117	107				
MB 880-15624/5-A	Method Blank	116	113				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
880-9663-21 MSD	T-4 (3')						
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)				
880-9663-1	T-1 (0-1')	118	117				
880-9663-1 MS	T-1 (0-1')	107	89				
880-9663-1 MSD	T-1 (0-1')	106	92				
880-9663-2	T-1 (1')	111	109				
880-9663-3	T-1 (2')	110	111				
880-9663-4	T-1 (3')	108	110				
880-9663-5	T-1 (4')	108	106				
880-9663-6	T-1 (5')	114	114				
880-9663-7	T-2 (0-1')	108	106				
880-9663-8	T-2 (1')	118	122				
880-9663-9	T-2 (2')	128	133 S1+				
880-9663-10	T-2 (3')	111	111				
880-9663-11	T-2 (4')	111	115				
880-9663-12	T-2 (5')	112	111				
880-9663-13	T-3 (0-1')	101	98				
880-9663-14	T-3 (1')	109	107				
880-9663-15	T-3 (2')	109	104				
880-9663-16	T-3 (3')	105	105				
880-9663-17	T-3 (4')	105	104				
880-9663-18	T-4 (0-1')	113	105				
880-9663-19	T-4 (1')	105	106				
880-9663-20	T-4 (2')	108	108				
880-9663-21	T-4 (3')	95	97				
880-9663-21 MS	T-4 (3')	100	85				
880-9663-21 MSD	T-4 (3')	100	84				
880-9663-22	T-4 (4')	102	103				

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
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)
880-9663-23	T-4 (5')	112	114
880-9663-24	T-5 (0-1')	97	96
880-9663-25	T-5 (1')	101	101
880-9663-26	T-5 (2')	100	101
880-9663-27	T-5 (3')	99	102
880-9663-28	T-5 (4')	104	106
880-9663-29	T-5 (5')	90	86
880-9663-30	T-5 (6')	99	95
880-9663-31	T-6 (0-1')	102	105
880-9663-32	T-6 (1')	96	97
880-9663-33	T-6 (2')	101	101
880-9663-34	T-6 (3')	99	101
880-9663-35	T-6 (4')	99	99
880-9663-36	T-6 (5')	95	97
880-9663-37	T-6 (6')	95	92
LCS 880-15607/2-A	Lab Control Sample	491 S1+	477 S1+
LCS 880-15658/2-A	Lab Control Sample	101	98
LCSD 880-15607/3-A	Lab Control Sample Dup	500 S1+	487 S1+
LCSD 880-15658/3-A	Lab Control Sample Dup	101	94
MB 880-15607/1-A	Method Blank	100	106
MB 880-15658/1-A	Method Blank	102	109

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
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: LCS 880-15437/1-A

Matrix: Solid

Analysis Batch: 15427

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15437

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.06355	*-	mg/Kg		64	70 - 130
Toluene	0.100	0.2411	*+	mg/Kg		241	70 - 130
Ethylbenzene	0.100	0.1077		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.1060	*-	mg/Kg		53	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	626	S1+	70 - 130
1,4-Difluorobenzene (Surr)	53	S1-	70 - 130

Lab Sample ID: LCSD 880-15437/2-A

Matrix: Solid

Analysis Batch: 15427

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 15437

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08456		mg/Kg		85	70 - 130	28	35
Toluene	0.100	0.09326	*1	mg/Kg		93	70 - 130	88	35
Ethylbenzene	0.100	0.1004		mg/Kg		100	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1964	*1	mg/Kg		98	70 - 130	60	35
o-Xylene	0.100	0.09728	*1	mg/Kg		97	70 - 130	123	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-1744-A-4-D MS

Matrix: Solid

Analysis Batch: 15427

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 15437

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U *-	0.0998	0.07463		mg/Kg		75	70 - 130
Toluene	<0.00200	U *1 *+ F1	0.0998	0.06904	F1	mg/Kg		69	70 - 130
Ethylbenzene	<0.00200	U F1	0.0998	0.05768	F1	mg/Kg		58	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

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

Lab Sample ID: 890-1744-A-4-D MS

Matrix: Solid

Analysis Batch: 15427

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 15437

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	<0.00401	U *1 *- F1	0.200	0.1137	F1	mg/Kg		57	70 - 130
o-Xylene	<0.00200	U *1 *+ F1	0.0998	0.06154	F1	mg/Kg		62	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-1744-A-4-E MSD

Matrix: Solid

Analysis Batch: 15427

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 15437

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U *-	0.0994	0.08482		mg/Kg		85	70 - 130	13	35
Toluene	<0.00200	U *1 *+ F1	0.0994	0.08707		mg/Kg		87	70 - 130	23	35
Ethylbenzene	<0.00200	U F1	0.0994	0.08127		mg/Kg		82	70 - 130	34	35
m-Xylene & p-Xylene	<0.00401	U *1 *- F1	0.199	0.1553		mg/Kg		78	70 - 130	31	35
o-Xylene	<0.00200	U *1 *+ F1	0.0994	0.07869		mg/Kg		79	70 - 130	24	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-15491/5-A

Matrix: Solid

Analysis Batch: 15482

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15491

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:31	12/23/21 20:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:31	12/23/21 20:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:31	12/23/21 20:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/23/21 16:31	12/23/21 20:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:31	12/23/21 20:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/23/21 16:31	12/23/21 20:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/23/21 16:31	12/23/21 20:11	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/23/21 16:31	12/23/21 20:11	1

Lab Sample ID: MB 880-15492/5-A

Matrix: Solid

Analysis Batch: 15482

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15492

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:34	12/24/21 07:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:34	12/24/21 07:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:34	12/24/21 07:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/23/21 16:34	12/24/21 07:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:34	12/24/21 07:02	1

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-15492/5-A

Matrix: Solid

Analysis Batch: 15482

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15492

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/23/21 16:34	12/24/21 07:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				12/23/21 16:34	12/24/21 07:02	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/23/21 16:34	12/24/21 07:02	1

Lab Sample ID: LCS 880-15492/1-A

Matrix: Solid

Analysis Batch: 15482

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15492

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07953		mg/Kg		80	70 - 130
Toluene	0.100	0.07585		mg/Kg		76	70 - 130
Ethylbenzene	0.100	0.07416		mg/Kg		74	70 - 130
m-Xylene & p-Xylene	0.200	0.1536		mg/Kg		77	70 - 130
o-Xylene	0.100	0.07699		mg/Kg		77	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	102		70 - 130				
1,4-Difluorobenzene (Surr)	105		70 - 130				

Lab Sample ID: LCSD 880-15492/2-A

Matrix: Solid

Analysis Batch: 15482

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 15492

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08037		mg/Kg		80	70 - 130	1	35
Toluene	0.100	0.08102		mg/Kg		81	70 - 130	7	35
Ethylbenzene	0.100	0.08025		mg/Kg		80	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1672		mg/Kg		84	70 - 130	8	35
o-Xylene	0.100	0.08266		mg/Kg		83	70 - 130	7	35
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	99		70 - 130						
1,4-Difluorobenzene (Surr)	96		70 - 130						

Lab Sample ID: 880-9655-A-11-F MS

Matrix: Solid

Analysis Batch: 15482

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 15492

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1	0.0998	0.04812	F1	mg/Kg		48	70 - 130
Toluene	0.0274	F1	0.0998	0.04869	F1	mg/Kg		21	70 - 130
Ethylbenzene	0.00462	F1	0.0998	0.05995	F1	mg/Kg		55	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1077	F1	mg/Kg		52	70 - 130
o-Xylene	<0.00200	U F1	0.0998	0.05583	F1	mg/Kg		56	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-9655-A-11-F MS

Matrix: Solid

Analysis Batch: 15482

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 15492

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-9655-A-11-G MSD

Matrix: Solid

Analysis Batch: 15482

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 15492

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.101	0.03705	F1	mg/Kg		37	70 - 130	26	35
Toluene	0.0274	F1	0.101	0.04481	F1	mg/Kg		17	70 - 130	8	35
Ethylbenzene	0.00462	F1	0.101	0.04783	F1	mg/Kg		43	70 - 130	22	35
m-Xylene & p-Xylene	<0.00399	U F1	0.202	0.1091	F1	mg/Kg		52	70 - 130	1	35
o-Xylene	<0.00200	U F1	0.101	0.05489	F1	mg/Kg		54	70 - 130	2	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: MB 880-15624/5-A

Matrix: Solid

Analysis Batch: 15623

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15624

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 13:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 13:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 13:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/28/21 10:04	12/28/21 13:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 13:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/28/21 10:04	12/28/21 13:45	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	116		70 - 130	12/28/21 10:04	12/28/21 13:45	1			
1,4-Difluorobenzene (Surr)	113		70 - 130	12/28/21 10:04	12/28/21 13:45	1			

Lab Sample ID: LCS 880-15624/1-A

Matrix: Solid

Analysis Batch: 15623

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15624

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09091		mg/Kg		91	70 - 130
Toluene	0.100	0.09098		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09312		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1930		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09386		mg/Kg		94	70 - 130

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

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-15624/1-A

Matrix: Solid

Analysis Batch: 15623

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15624

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

Lab Sample ID: LCSD 880-15624/2-A

Matrix: Solid

Analysis Batch: 15623

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 15624

	LCS	LCS							%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Benzene	0.100	0.08508		mg/Kg		85	70 - 130	7	35		
Toluene	0.100	0.08625		mg/Kg		86	70 - 130	5	35		
Ethylbenzene	0.100	0.09039		mg/Kg		90	70 - 130	3	35		
m-Xylene & p-Xylene	0.200	0.1865		mg/Kg		93	70 - 130	3	35		
o-Xylene	0.100	0.09326		mg/Kg		93	70 - 130	1	35		

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-9663-20 MS

Matrix: Solid

Analysis Batch: 15623

Client Sample ID: T-4 (2')

Prep Type: Total/NA

Prep Batch: 15624

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00202	U	0.0998	0.08836		mg/Kg		89	70 - 130		
Toluene	<0.00202	U	0.0998	0.09046		mg/Kg		91	70 - 130		
Ethylbenzene	<0.00202	U	0.0998	0.1096		mg/Kg		110	70 - 130		
m-Xylene & p-Xylene	<0.00403	U	0.200	0.2320		mg/Kg		116	70 - 130		
o-Xylene	<0.00202	U	0.0998	0.1159		mg/Kg		116	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	163	S1+	70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-9663-21 MSD

Matrix: Solid

Analysis Batch: 15623

Client Sample ID: T-4 (3')

Prep Type: Total/NA

Prep Batch: 15624

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.0994	0.07938		mg/Kg					
Toluene	<0.00199	U	0.0994	0.09437		mg/Kg					
Ethylbenzene	<0.00199	U	0.0994	0.1163		mg/Kg					
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2233		mg/Kg					
o-Xylene	<0.00199	U	0.0994	0.1114		mg/Kg					

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)			
1,4-Difluorobenzene (Surr)			

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-15607/1-A

Matrix: Solid

Analysis Batch: 15643

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15607

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		12/28/21 08:30	12/28/21 14:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 14:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 14:01	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				12/28/21 08:30	12/28/21 14:01	1
o-Terphenyl	106		70 - 130				12/28/21 08:30	12/28/21 14:01	1

Lab Sample ID: LCS 880-15607/2-A

Matrix: Solid

Analysis Batch: 15643

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15607

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1142		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1144		mg/Kg		114	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	491	S1+	70 - 130				
o-Terphenyl	477	S1+	70 - 130				

Lab Sample ID: LCSD 880-15607/3-A

Matrix: Solid

Analysis Batch: 15643

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 15607

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1182		mg/Kg		118	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1168		mg/Kg		117	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	500	S1+	70 - 130						
o-Terphenyl	487	S1+	70 - 130						

Lab Sample ID: 880-9663-21 MS

Matrix: Solid

Analysis Batch: 15643

Client Sample ID: T-4 (3')

Prep Type: Total/NA

Prep Batch: 15607

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	996	872.4		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	996	822.4		mg/Kg		83	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-9663-21 MS

Matrix: Solid

Analysis Batch: 15643

Client Sample ID: T-4 (3')

Prep Type: Total/NA

Prep Batch: 15607

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: 880-9663-21 MSD

Matrix: Solid

Analysis Batch: 15643

Client Sample ID: T-4 (3')

Prep Type: Total/NA

Prep Batch: 15607

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	998	905.6		mg/Kg		89	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	819.4		mg/Kg		82	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: MB 880-15658/1-A

Matrix: Solid

Analysis Batch: 15680

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15658

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		12/28/21 13:45	12/29/21 10:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 10:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 10:06	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	102		70 - 130	12/28/21 13:45	12/29/21 10:06	1			
o-Terphenyl	109		70 - 130	12/28/21 13:45	12/29/21 10:06	1			

Lab Sample ID: LCS 880-15658/2-A

Matrix: Solid

Analysis Batch: 15680

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15658

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	500	483.2		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	500	445.7		mg/Kg		89	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	98		70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-15658/3-A

Matrix: Solid

Analysis Batch: 15680

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 15658

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	500	458.8		mg/Kg		92	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	500	439.1		mg/Kg		88	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	101		70 - 130						
o-Terphenyl	94		70 - 130						

Lab Sample ID: 880-9663-1 MS

Matrix: Solid

Analysis Batch: 15680

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

Prep Type: Total/NA

Prep Batch: 15658

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	899.9		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)	441	F1	996	937.9	F1	mg/Kg		50	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	107		70 - 130								
o-Terphenyl	89		70 - 130								

Lab Sample ID: 880-9663-1 MSD

Matrix: Solid

Analysis Batch: 15680

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

Prep Type: Total/NA

Prep Batch: 15658

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	901.9		mg/Kg		90	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	441	F1	999	980.2	F1	mg/Kg		54	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	106		70 - 130								
o-Terphenyl	92		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-15397/1-A

Matrix: Solid

Analysis Batch: 15657

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			12/29/21 02:29	1

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-15397/2-A

Matrix: Solid

Analysis Batch: 15657

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	245.5		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-15397/3-A

Matrix: Solid

Analysis Batch: 15657

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	247.1		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 880-9663-25 MS

Matrix: Solid

Analysis Batch: 15657

Client Sample ID: T-5 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2560	F1	1260	3905		mg/Kg		107	90 - 110

Lab Sample ID: 880-9663-25 MSD

Matrix: Solid

Analysis Batch: 15657

Client Sample ID: T-5 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2560	F1	1260	3967	F1	mg/Kg		112	90 - 110	2	20

Lab Sample ID: 880-9663-35 MS

Matrix: Solid

Analysis Batch: 15657

Client Sample ID: T-6 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2210	F1	1250	3271	F1	mg/Kg		85	90 - 110

Lab Sample ID: 880-9663-35 MSD

Matrix: Solid

Analysis Batch: 15657

Client Sample ID: T-6 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2210	F1	1250	3252	F1	mg/Kg		84	90 - 110	1	20

Lab Sample ID: MB 880-15396/1-A

Matrix: Solid

Analysis Batch: 15660

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			12/29/21 06:23	1

Lab Sample ID: LCS 880-15396/2-A

Matrix: Solid

Analysis Batch: 15660

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	238.7		mg/Kg		95	90 - 110

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-15396/3-A

Matrix: Solid

Analysis Batch: 15660

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	232.3		mg/Kg		93	90 - 110	3	20

Lab Sample ID: 880-9663-5 MS

Matrix: Solid

Analysis Batch: 15660

Client Sample ID: T-1 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1390		1260	2609		mg/Kg		97	90 - 110		

Lab Sample ID: 880-9663-5 MSD

Matrix: Solid

Analysis Batch: 15660

Client Sample ID: T-1 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1390		1260	2625		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-9663-15 MS

Matrix: Solid

Analysis Batch: 15660

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	RPD	RPD Limit
Chloride	<4.99	U F1	250	208.3	F1	mg/Kg		82	90 - 110		

Lab Sample ID: 880-9663-15 MSD

Matrix: Solid

Analysis Batch: 15660

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	<4.99	U F1	250	216.4	F1	mg/Kg		86	90 - 110	4	20

Lab Sample ID: MB 880-15395/1-A

Matrix: Solid

Analysis Batch: 15661

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			12/28/21 19:07	1

Lab Sample ID: LCS 880-15395/2-A

Matrix: Solid

Analysis Batch: 15661

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	251.3		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-15395/3-A

Matrix: Solid

Analysis Batch: 15661

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	250.3		mg/Kg		100	90 - 110	0	20

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QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-9655-A-11-D MS

Matrix: Solid

Analysis Batch: 15661

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	7.49		250	251.0		mg/Kg		98	90 - 110

Lab Sample ID: 880-9655-A-11-E MSD

Matrix: Solid

Analysis Batch: 15661

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	7.49		250	248.6		mg/Kg		97	90 - 110	1	20

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 15427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-1	T-1 (0-1')	Total/NA	Solid	8021B	15437
880-9663-2	T-1 (1')	Total/NA	Solid	8021B	15437
880-9663-3	T-1 (2')	Total/NA	Solid	8021B	15437
880-9663-4	T-1 (3')	Total/NA	Solid	8021B	15437
880-9663-5	T-1 (4')	Total/NA	Solid	8021B	15437
880-9663-6	T-1 (5')	Total/NA	Solid	8021B	15437
880-9663-7	T-2 (0-1')	Total/NA	Solid	8021B	15437
880-9663-8	T-2 (1')	Total/NA	Solid	8021B	15437
880-9663-9	T-2 (2')	Total/NA	Solid	8021B	15437
880-9663-10	T-2 (3')	Total/NA	Solid	8021B	15437
880-9663-11	T-2 (4')	Total/NA	Solid	8021B	15437
880-9663-12	T-2 (5')	Total/NA	Solid	8021B	15437
880-9663-13	T-3 (0-1')	Total/NA	Solid	8021B	15437
880-9663-14	T-3 (1')	Total/NA	Solid	8021B	15437
880-9663-15	T-3 (2')	Total/NA	Solid	8021B	15437
MB 880-15437/5-A	Method Blank	Total/NA	Solid	8021B	15437
LCS 880-15437/1-A	Lab Control Sample	Total/NA	Solid	8021B	15437
LCSD 880-15437/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	15437
890-1744-A-4-D MS	Matrix Spike	Total/NA	Solid	8021B	15437
890-1744-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	15437

Prep Batch: 15437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-1	T-1 (0-1')	Total/NA	Solid	5035	
880-9663-2	T-1 (1')	Total/NA	Solid	5035	
880-9663-3	T-1 (2')	Total/NA	Solid	5035	
880-9663-4	T-1 (3')	Total/NA	Solid	5035	
880-9663-5	T-1 (4')	Total/NA	Solid	5035	
880-9663-6	T-1 (5')	Total/NA	Solid	5035	
880-9663-7	T-2 (0-1')	Total/NA	Solid	5035	
880-9663-8	T-2 (1')	Total/NA	Solid	5035	
880-9663-9	T-2 (2')	Total/NA	Solid	5035	
880-9663-10	T-2 (3')	Total/NA	Solid	5035	
880-9663-11	T-2 (4')	Total/NA	Solid	5035	
880-9663-12	T-2 (5')	Total/NA	Solid	5035	
880-9663-13	T-3 (0-1')	Total/NA	Solid	5035	
880-9663-14	T-3 (1')	Total/NA	Solid	5035	
880-9663-15	T-3 (2')	Total/NA	Solid	5035	
MB 880-15437/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-15437/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-15437/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1744-A-4-D MS	Matrix Spike	Total/NA	Solid	5035	
890-1744-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 15482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-16	T-3 (3')	Total/NA	Solid	8021B	15492
880-9663-17	T-3 (4')	Total/NA	Solid	8021B	15492
880-9663-18	T-4 (0-1')	Total/NA	Solid	8021B	15492
880-9663-19	T-4 (1')	Total/NA	Solid	8021B	15492
MB 880-15491/5-A	Method Blank	Total/NA	Solid	8021B	15491

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 15482 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-15492/5-A	Method Blank	Total/NA	Solid	8021B	15492
LCS 880-15492/1-A	Lab Control Sample	Total/NA	Solid	8021B	15492
LCSD 880-15492/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	15492
880-9655-A-11-F MS	Matrix Spike	Total/NA	Solid	8021B	15492
880-9655-A-11-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	15492

Prep Batch: 15491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-15491/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 15492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-16	T-3 (3')	Total/NA	Solid	5035	
880-9663-17	T-3 (4')	Total/NA	Solid	5035	
880-9663-18	T-4 (0-1')	Total/NA	Solid	5035	
880-9663-19	T-4 (1')	Total/NA	Solid	5035	
MB 880-15492/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-15492/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-15492/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-9655-A-11-F MS	Matrix Spike	Total/NA	Solid	5035	
880-9655-A-11-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 15612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-16	T-3 (3')	Total/NA	Solid	Total BTEX	
880-9663-17	T-3 (4')	Total/NA	Solid	Total BTEX	
880-9663-18	T-4 (0-1')	Total/NA	Solid	Total BTEX	
880-9663-19	T-4 (1')	Total/NA	Solid	Total BTEX	

Analysis Batch: 15623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-20	T-4 (2')	Total/NA	Solid	8021B	15624
880-9663-21	T-4 (3')	Total/NA	Solid	8021B	15624
880-9663-22	T-4 (4')	Total/NA	Solid	8021B	15624
880-9663-23	T-4 (5')	Total/NA	Solid	8021B	15624
880-9663-24	T-5 (0-1')	Total/NA	Solid	8021B	15624
880-9663-25	T-5 (1')	Total/NA	Solid	8021B	15624
880-9663-26	T-5 (2')	Total/NA	Solid	8021B	15624
880-9663-27	T-5 (3')	Total/NA	Solid	8021B	15624
880-9663-28	T-5 (4')	Total/NA	Solid	8021B	15624
880-9663-29	T-5 (5')	Total/NA	Solid	8021B	15624
880-9663-30	T-5 (6')	Total/NA	Solid	8021B	15624
880-9663-31	T-6 (0-1')	Total/NA	Solid	8021B	15624
880-9663-32	T-6 (1')	Total/NA	Solid	8021B	15624
880-9663-33	T-6 (2')	Total/NA	Solid	8021B	15624
880-9663-34	T-6 (3')	Total/NA	Solid	8021B	15624
880-9663-35	T-6 (4')	Total/NA	Solid	8021B	15624
880-9663-36	T-6 (5')	Total/NA	Solid	8021B	15624
880-9663-37	T-6 (6')	Total/NA	Solid	8021B	15624
MB 880-15624/5-A	Method Blank	Total/NA	Solid	8021B	15624
LCS 880-15624/1-A	Lab Control Sample	Total/NA	Solid	8021B	15624

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 15623 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-15624/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	15624
880-9663-20 MS	T-4 (2')	Total/NA	Solid	8021B	15624
880-9663-21 MSD	T-4 (3')	Total/NA	Solid	8021B	15624

Prep Batch: 15624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-20	T-4 (2')	Total/NA	Solid	5035	
880-9663-21	T-4 (3')	Total/NA	Solid	5035	
880-9663-22	T-4 (4')	Total/NA	Solid	5035	
880-9663-23	T-4 (5')	Total/NA	Solid	5035	
880-9663-24	T-5 (0-1')	Total/NA	Solid	5035	
880-9663-25	T-5 (1')	Total/NA	Solid	5035	
880-9663-26	T-5 (2')	Total/NA	Solid	5035	
880-9663-27	T-5 (3')	Total/NA	Solid	5035	
880-9663-28	T-5 (4')	Total/NA	Solid	5035	
880-9663-29	T-5 (5')	Total/NA	Solid	5035	
880-9663-30	T-5 (6')	Total/NA	Solid	5035	
880-9663-31	T-6 (0-1')	Total/NA	Solid	5035	
880-9663-32	T-6 (1')	Total/NA	Solid	5035	
880-9663-33	T-6 (2')	Total/NA	Solid	5035	
880-9663-34	T-6 (3')	Total/NA	Solid	5035	
880-9663-35	T-6 (4')	Total/NA	Solid	5035	
880-9663-36	T-6 (5')	Total/NA	Solid	5035	
880-9663-37	T-6 (6')	Total/NA	Solid	5035	
MB 880-15624/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-15624/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-15624/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-9663-20 MS	T-4 (2')	Total/NA	Solid	5035	
880-9663-21 MSD	T-4 (3')	Total/NA	Solid	5035	

Analysis Batch: 15797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-9663-2	T-1 (1')	Total/NA	Solid	Total BTEX	
880-9663-3	T-1 (2')	Total/NA	Solid	Total BTEX	
880-9663-4	T-1 (3')	Total/NA	Solid	Total BTEX	
880-9663-5	T-1 (4')	Total/NA	Solid	Total BTEX	
880-9663-6	T-1 (5')	Total/NA	Solid	Total BTEX	
880-9663-7	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-9663-8	T-2 (1')	Total/NA	Solid	Total BTEX	
880-9663-9	T-2 (2')	Total/NA	Solid	Total BTEX	
880-9663-10	T-2 (3')	Total/NA	Solid	Total BTEX	
880-9663-11	T-2 (4')	Total/NA	Solid	Total BTEX	
880-9663-12	T-2 (5')	Total/NA	Solid	Total BTEX	
880-9663-13	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-9663-14	T-3 (1')	Total/NA	Solid	Total BTEX	
880-9663-15	T-3 (2')	Total/NA	Solid	Total BTEX	
880-9663-20	T-4 (2')	Total/NA	Solid	Total BTEX	
880-9663-21	T-4 (3')	Total/NA	Solid	Total BTEX	
880-9663-22	T-4 (4')	Total/NA	Solid	Total BTEX	
880-9663-23	T-4 (5')	Total/NA	Solid	Total BTEX	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 15797 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-24	T-5 (0-1')	Total/NA	Solid	Total BTEX	
880-9663-25	T-5 (1')	Total/NA	Solid	Total BTEX	
880-9663-26	T-5 (2')	Total/NA	Solid	Total BTEX	
880-9663-27	T-5 (3')	Total/NA	Solid	Total BTEX	
880-9663-28	T-5 (4')	Total/NA	Solid	Total BTEX	
880-9663-29	T-5 (5')	Total/NA	Solid	Total BTEX	
880-9663-30	T-5 (6')	Total/NA	Solid	Total BTEX	
880-9663-31	T-6 (0-1')	Total/NA	Solid	Total BTEX	
880-9663-32	T-6 (1')	Total/NA	Solid	Total BTEX	
880-9663-33	T-6 (2')	Total/NA	Solid	Total BTEX	
880-9663-34	T-6 (3')	Total/NA	Solid	Total BTEX	
880-9663-35	T-6 (4')	Total/NA	Solid	Total BTEX	
880-9663-36	T-6 (5')	Total/NA	Solid	Total BTEX	
880-9663-37	T-6 (6')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 15607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-21	T-4 (3')	Total/NA	Solid	8015NM Prep	
880-9663-22	T-4 (4')	Total/NA	Solid	8015NM Prep	
880-9663-23	T-4 (5')	Total/NA	Solid	8015NM Prep	
880-9663-24	T-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-9663-25	T-5 (1')	Total/NA	Solid	8015NM Prep	
880-9663-26	T-5 (2')	Total/NA	Solid	8015NM Prep	
880-9663-27	T-5 (3')	Total/NA	Solid	8015NM Prep	
880-9663-28	T-5 (4')	Total/NA	Solid	8015NM Prep	
880-9663-29	T-5 (5')	Total/NA	Solid	8015NM Prep	
880-9663-30	T-5 (6')	Total/NA	Solid	8015NM Prep	
880-9663-31	T-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-9663-32	T-6 (1')	Total/NA	Solid	8015NM Prep	
880-9663-33	T-6 (2')	Total/NA	Solid	8015NM Prep	
880-9663-34	T-6 (3')	Total/NA	Solid	8015NM Prep	
880-9663-35	T-6 (4')	Total/NA	Solid	8015NM Prep	
880-9663-36	T-6 (5')	Total/NA	Solid	8015NM Prep	
880-9663-37	T-6 (6')	Total/NA	Solid	8015NM Prep	
MB 880-15607/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-15607/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-15607/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-9663-21 MS	T-4 (3')	Total/NA	Solid	8015NM Prep	
880-9663-21 MSD	T-4 (3')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 15643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-21	T-4 (3')	Total/NA	Solid	8015B NM	15607
880-9663-22	T-4 (4')	Total/NA	Solid	8015B NM	15607
880-9663-23	T-4 (5')	Total/NA	Solid	8015B NM	15607
880-9663-24	T-5 (0-1')	Total/NA	Solid	8015B NM	15607
880-9663-25	T-5 (1')	Total/NA	Solid	8015B NM	15607
880-9663-26	T-5 (2')	Total/NA	Solid	8015B NM	15607
880-9663-27	T-5 (3')	Total/NA	Solid	8015B NM	15607

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 15643 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-28	T-5 (4')	Total/NA	Solid	8015B NM	15607
880-9663-29	T-5 (5')	Total/NA	Solid	8015B NM	15607
880-9663-30	T-5 (6')	Total/NA	Solid	8015B NM	15607
880-9663-31	T-6 (0-1')	Total/NA	Solid	8015B NM	15607
880-9663-32	T-6 (1')	Total/NA	Solid	8015B NM	15607
880-9663-33	T-6 (2')	Total/NA	Solid	8015B NM	15607
880-9663-34	T-6 (3')	Total/NA	Solid	8015B NM	15607
880-9663-35	T-6 (4')	Total/NA	Solid	8015B NM	15607
880-9663-36	T-6 (5')	Total/NA	Solid	8015B NM	15607
880-9663-37	T-6 (6')	Total/NA	Solid	8015B NM	15607
MB 880-15607/1-A	Method Blank	Total/NA	Solid	8015B NM	15607
LCS 880-15607/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	15607
LCSD 880-15607/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	15607
880-9663-21 MS	T-4 (3')	Total/NA	Solid	8015B NM	15607
880-9663-21 MSD	T-4 (3')	Total/NA	Solid	8015B NM	15607

Prep Batch: 15658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-9663-2	T-1 (1')	Total/NA	Solid	8015NM Prep	
880-9663-3	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-9663-4	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-9663-5	T-1 (4')	Total/NA	Solid	8015NM Prep	
880-9663-6	T-1 (5')	Total/NA	Solid	8015NM Prep	
880-9663-7	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-9663-8	T-2 (1')	Total/NA	Solid	8015NM Prep	
880-9663-9	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-9663-10	T-2 (3')	Total/NA	Solid	8015NM Prep	
880-9663-11	T-2 (4')	Total/NA	Solid	8015NM Prep	
880-9663-12	T-2 (5')	Total/NA	Solid	8015NM Prep	
880-9663-13	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-9663-14	T-3 (1')	Total/NA	Solid	8015NM Prep	
880-9663-15	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-9663-16	T-3 (3')	Total/NA	Solid	8015NM Prep	
880-9663-17	T-3 (4')	Total/NA	Solid	8015NM Prep	
880-9663-18	T-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-9663-19	T-4 (1')	Total/NA	Solid	8015NM Prep	
880-9663-20	T-4 (2')	Total/NA	Solid	8015NM Prep	
MB 880-15658/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-15658/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-15658/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-9663-1 MS	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-9663-1 MSD	T-1 (0-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 15680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-1	T-1 (0-1')	Total/NA	Solid	8015B NM	15658
880-9663-2	T-1 (1')	Total/NA	Solid	8015B NM	15658
880-9663-3	T-1 (2')	Total/NA	Solid	8015B NM	15658
880-9663-4	T-1 (3')	Total/NA	Solid	8015B NM	15658
880-9663-5	T-1 (4')	Total/NA	Solid	8015B NM	15658

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 15680 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-6	T-1 (5')	Total/NA	Solid	8015B NM	15658
880-9663-7	T-2 (0-1')	Total/NA	Solid	8015B NM	15658
880-9663-8	T-2 (1')	Total/NA	Solid	8015B NM	15658
880-9663-9	T-2 (2')	Total/NA	Solid	8015B NM	15658
880-9663-10	T-2 (3')	Total/NA	Solid	8015B NM	15658
880-9663-11	T-2 (4')	Total/NA	Solid	8015B NM	15658
880-9663-12	T-2 (5')	Total/NA	Solid	8015B NM	15658
880-9663-13	T-3 (0-1')	Total/NA	Solid	8015B NM	15658
880-9663-14	T-3 (1')	Total/NA	Solid	8015B NM	15658
880-9663-15	T-3 (2')	Total/NA	Solid	8015B NM	15658
880-9663-16	T-3 (3')	Total/NA	Solid	8015B NM	15658
880-9663-17	T-3 (4')	Total/NA	Solid	8015B NM	15658
880-9663-18	T-4 (0-1')	Total/NA	Solid	8015B NM	15658
880-9663-19	T-4 (1')	Total/NA	Solid	8015B NM	15658
880-9663-20	T-4 (2')	Total/NA	Solid	8015B NM	15658
MB 880-15658/1-A	Method Blank	Total/NA	Solid	8015B NM	15658
LCS 880-15658/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	15658
LCSD 880-15658/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	15658
880-9663-1 MS	T-1 (0-1')	Total/NA	Solid	8015B NM	15658
880-9663-1 MSD	T-1 (0-1')	Total/NA	Solid	8015B NM	15658

Analysis Batch: 15789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-9663-2	T-1 (1')	Total/NA	Solid	8015 NM	
880-9663-3	T-1 (2')	Total/NA	Solid	8015 NM	
880-9663-4	T-1 (3')	Total/NA	Solid	8015 NM	
880-9663-5	T-1 (4')	Total/NA	Solid	8015 NM	
880-9663-6	T-1 (5')	Total/NA	Solid	8015 NM	
880-9663-7	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-9663-8	T-2 (1')	Total/NA	Solid	8015 NM	
880-9663-9	T-2 (2')	Total/NA	Solid	8015 NM	
880-9663-10	T-2 (3')	Total/NA	Solid	8015 NM	
880-9663-11	T-2 (4')	Total/NA	Solid	8015 NM	
880-9663-12	T-2 (5')	Total/NA	Solid	8015 NM	
880-9663-13	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-9663-14	T-3 (1')	Total/NA	Solid	8015 NM	
880-9663-15	T-3 (2')	Total/NA	Solid	8015 NM	
880-9663-16	T-3 (3')	Total/NA	Solid	8015 NM	
880-9663-17	T-3 (4')	Total/NA	Solid	8015 NM	
880-9663-18	T-4 (0-1')	Total/NA	Solid	8015 NM	
880-9663-19	T-4 (1')	Total/NA	Solid	8015 NM	
880-9663-20	T-4 (2')	Total/NA	Solid	8015 NM	

Analysis Batch: 15798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-21	T-4 (3')	Total/NA	Solid	8015 NM	
880-9663-22	T-4 (4')	Total/NA	Solid	8015 NM	
880-9663-23	T-4 (5')	Total/NA	Solid	8015 NM	
880-9663-24	T-5 (0-1')	Total/NA	Solid	8015 NM	
880-9663-25	T-5 (1')	Total/NA	Solid	8015 NM	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 15798 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-26	T-5 (2')	Total/NA	Solid	8015 NM	
880-9663-27	T-5 (3')	Total/NA	Solid	8015 NM	
880-9663-28	T-5 (4')	Total/NA	Solid	8015 NM	
880-9663-29	T-5 (5')	Total/NA	Solid	8015 NM	
880-9663-30	T-5 (6')	Total/NA	Solid	8015 NM	
880-9663-31	T-6 (0-1')	Total/NA	Solid	8015 NM	
880-9663-32	T-6 (1')	Total/NA	Solid	8015 NM	
880-9663-33	T-6 (2')	Total/NA	Solid	8015 NM	
880-9663-34	T-6 (3')	Total/NA	Solid	8015 NM	
880-9663-35	T-6 (4')	Total/NA	Solid	8015 NM	
880-9663-36	T-6 (5')	Total/NA	Solid	8015 NM	
880-9663-37	T-6 (6')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 15395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-9663-2	T-1 (1')	Soluble	Solid	DI Leach	
880-9663-3	T-1 (2')	Soluble	Solid	DI Leach	
880-9663-4	T-1 (3')	Soluble	Solid	DI Leach	
MB 880-15395/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-15395/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-15395/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9655-A-11-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-9655-A-11-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 15396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-5	T-1 (4')	Soluble	Solid	DI Leach	
880-9663-6	T-1 (5')	Soluble	Solid	DI Leach	
880-9663-7	T-2 (0-1')	Soluble	Solid	DI Leach	
880-9663-8	T-2 (1')	Soluble	Solid	DI Leach	
880-9663-9	T-2 (2')	Soluble	Solid	DI Leach	
880-9663-10	T-2 (3')	Soluble	Solid	DI Leach	
880-9663-11	T-2 (4')	Soluble	Solid	DI Leach	
880-9663-12	T-2 (5')	Soluble	Solid	DI Leach	
880-9663-13	T-3 (0-1')	Soluble	Solid	DI Leach	
880-9663-14	T-3 (1')	Soluble	Solid	DI Leach	
880-9663-15	T-3 (2')	Soluble	Solid	DI Leach	
880-9663-16	T-3 (3')	Soluble	Solid	DI Leach	
880-9663-17	T-3 (4')	Soluble	Solid	DI Leach	
880-9663-18	T-4 (0-1')	Soluble	Solid	DI Leach	
880-9663-19	T-4 (1')	Soluble	Solid	DI Leach	
880-9663-20	T-4 (2')	Soluble	Solid	DI Leach	
880-9663-21	T-4 (3')	Soluble	Solid	DI Leach	
880-9663-22	T-4 (4')	Soluble	Solid	DI Leach	
880-9663-23	T-4 (5')	Soluble	Solid	DI Leach	
880-9663-24	T-5 (0-1')	Soluble	Solid	DI Leach	
MB 880-15396/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-15396/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 15396 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-15396/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9663-5 MS	T-1 (4')	Soluble	Solid	DI Leach	
880-9663-5 MSD	T-1 (4')	Soluble	Solid	DI Leach	
880-9663-15 MS	T-3 (2')	Soluble	Solid	DI Leach	
880-9663-15 MSD	T-3 (2')	Soluble	Solid	DI Leach	

Leach Batch: 15397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-25	T-5 (1')	Soluble	Solid	DI Leach	
880-9663-26	T-5 (2')	Soluble	Solid	DI Leach	
880-9663-27	T-5 (3')	Soluble	Solid	DI Leach	
880-9663-28	T-5 (4')	Soluble	Solid	DI Leach	
880-9663-29	T-5 (5')	Soluble	Solid	DI Leach	
880-9663-30	T-5 (6')	Soluble	Solid	DI Leach	
880-9663-31	T-6 (0-1')	Soluble	Solid	DI Leach	
880-9663-32	T-6 (1')	Soluble	Solid	DI Leach	
880-9663-33	T-6 (2')	Soluble	Solid	DI Leach	
880-9663-34	T-6 (3')	Soluble	Solid	DI Leach	
880-9663-35	T-6 (4')	Soluble	Solid	DI Leach	
880-9663-36	T-6 (5')	Soluble	Solid	DI Leach	
880-9663-37	T-6 (6')	Soluble	Solid	DI Leach	
MB 880-15397/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-15397/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-15397/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9663-25 MS	T-5 (1')	Soluble	Solid	DI Leach	
880-9663-25 MSD	T-5 (1')	Soluble	Solid	DI Leach	
880-9663-35 MS	T-6 (4')	Soluble	Solid	DI Leach	
880-9663-35 MSD	T-6 (4')	Soluble	Solid	DI Leach	

Analysis Batch: 15657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-25	T-5 (1')	Soluble	Solid	300.0	15397
880-9663-26	T-5 (2')	Soluble	Solid	300.0	15397
880-9663-27	T-5 (3')	Soluble	Solid	300.0	15397
880-9663-28	T-5 (4')	Soluble	Solid	300.0	15397
880-9663-29	T-5 (5')	Soluble	Solid	300.0	15397
880-9663-30	T-5 (6')	Soluble	Solid	300.0	15397
880-9663-31	T-6 (0-1')	Soluble	Solid	300.0	15397
880-9663-32	T-6 (1')	Soluble	Solid	300.0	15397
880-9663-33	T-6 (2')	Soluble	Solid	300.0	15397
880-9663-34	T-6 (3')	Soluble	Solid	300.0	15397
880-9663-35	T-6 (4')	Soluble	Solid	300.0	15397
880-9663-36	T-6 (5')	Soluble	Solid	300.0	15397
880-9663-37	T-6 (6')	Soluble	Solid	300.0	15397
MB 880-15397/1-A	Method Blank	Soluble	Solid	300.0	15397
LCS 880-15397/2-A	Lab Control Sample	Soluble	Solid	300.0	15397
LCSD 880-15397/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	15397
880-9663-25 MS	T-5 (1')	Soluble	Solid	300.0	15397
880-9663-25 MSD	T-5 (1')	Soluble	Solid	300.0	15397
880-9663-35 MS	T-6 (4')	Soluble	Solid	300.0	15397
880-9663-35 MSD	T-6 (4')	Soluble	Solid	300.0	15397

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

HPLC/IC

Analysis Batch: 15660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-5	T-1 (4')	Soluble	Solid	300.0	15396
880-9663-6	T-1 (5')	Soluble	Solid	300.0	15396
880-9663-7	T-2 (0-1')	Soluble	Solid	300.0	15396
880-9663-8	T-2 (1')	Soluble	Solid	300.0	15396
880-9663-9	T-2 (2')	Soluble	Solid	300.0	15396
880-9663-10	T-2 (3')	Soluble	Solid	300.0	15396
880-9663-11	T-2 (4')	Soluble	Solid	300.0	15396
880-9663-12	T-2 (5')	Soluble	Solid	300.0	15396
880-9663-13	T-3 (0-1')	Soluble	Solid	300.0	15396
880-9663-14	T-3 (1')	Soluble	Solid	300.0	15396
880-9663-15	T-3 (2')	Soluble	Solid	300.0	15396
880-9663-16	T-3 (3')	Soluble	Solid	300.0	15396
880-9663-17	T-3 (4')	Soluble	Solid	300.0	15396
880-9663-18	T-4 (0-1')	Soluble	Solid	300.0	15396
880-9663-19	T-4 (1')	Soluble	Solid	300.0	15396
880-9663-20	T-4 (2')	Soluble	Solid	300.0	15396
880-9663-21	T-4 (3')	Soluble	Solid	300.0	15396
880-9663-22	T-4 (4')	Soluble	Solid	300.0	15396
880-9663-23	T-4 (5')	Soluble	Solid	300.0	15396
880-9663-24	T-5 (0-1')	Soluble	Solid	300.0	15396
MB 880-15396/1-A	Method Blank	Soluble	Solid	300.0	15396
LCS 880-15396/2-A	Lab Control Sample	Soluble	Solid	300.0	15396
LCSD 880-15396/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	15396
880-9663-5 MS	T-1 (4')	Soluble	Solid	300.0	15396
880-9663-5 MSD	T-1 (4')	Soluble	Solid	300.0	15396
880-9663-15 MS	T-3 (2')	Soluble	Solid	300.0	15396
880-9663-15 MSD	T-3 (2')	Soluble	Solid	300.0	15396

Analysis Batch: 15661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-1	T-1 (0-1')	Soluble	Solid	300.0	15395
880-9663-2	T-1 (1')	Soluble	Solid	300.0	15395
880-9663-3	T-1 (2')	Soluble	Solid	300.0	15395
880-9663-4	T-1 (3')	Soluble	Solid	300.0	15395
MB 880-15395/1-A	Method Blank	Soluble	Solid	300.0	15395
LCS 880-15395/2-A	Lab Control Sample	Soluble	Solid	300.0	15395
LCSD 880-15395/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	15395
880-9655-A-11-D MS	Matrix Spike	Soluble	Solid	300.0	15395
880-9655-A-11-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	15395

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-9663-1

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/23/21 22:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 11:12	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	15395	12/22/21 17:20	CA	XEN MID
Soluble	Analysis	300.0		5			15661	12/28/21 23:32	CH	XEN MID

Client Sample ID: T-1 (1')

Lab Sample ID: 880-9663-2

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/23/21 22:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 12:15	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	15395	12/22/21 17:20	CA	XEN MID
Soluble	Analysis	300.0		5			15661	12/28/21 23:42	CH	XEN MID

Client Sample ID: T-1 (2')

Lab Sample ID: 880-9663-3

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/23/21 22:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 12:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	15395	12/22/21 17:20	CA	XEN MID
Soluble	Analysis	300.0		5			15661	12/28/21 23:52	CH	XEN MID

Client Sample ID: T-1 (3')

Lab Sample ID: 880-9663-4

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/23/21 23:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-1 (3')

Lab Sample ID: 880-9663-4

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 12:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	15395	12/22/21 17:20	CA	XEN MID
Soluble	Analysis	300.0		10			15661	12/29/21 00:02	CH	XEN MID

Client Sample ID: T-1 (4')

Lab Sample ID: 880-9663-5

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/23/21 23:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 13:18	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		5			15660	12/29/21 06:43	CH	XEN MID

Client Sample ID: T-1 (5')

Lab Sample ID: 880-9663-6

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 01:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 13:39	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 07:03	CH	XEN MID

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

Lab Sample ID: 880-9663-7

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 01:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 14:01	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

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

Date Collected: 12/21/21 00:00

Date Received: 12/22/21 15:31

Lab Sample ID: 880-9663-7

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			5.03 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		5			15660	12/29/21 07:10	CH	XEN MID

Client Sample ID: T-2 (1')

Date Collected: 12/21/21 00:00

Date Received: 12/22/21 15:31

Lab Sample ID: 880-9663-8

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			4.97 g	5 mL	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 02:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 14:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		5			15660	12/29/21 07:16	CH	XEN MID

Client Sample ID: T-2 (2')

Date Collected: 12/21/21 00:00

Date Received: 12/22/21 15:31

Lab Sample ID: 880-9663-9

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			5.02 g	5 mL	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 02:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 14:43	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		5			15660	12/29/21 07:23	CH	XEN MID

Client Sample ID: T-2 (3')

Date Collected: 12/21/21 00:00

Date Received: 12/22/21 15:31

Lab Sample ID: 880-9663-10

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			5.00 g	5 mL	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 02:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 15:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 07:43	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-2 (4')

Lab Sample ID: 880-9663-11

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 03:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 15:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 07:49	CH	XEN MID

Client Sample ID: T-2 (5')

Lab Sample ID: 880-9663-12

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 03:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 16:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 07:56	CH	XEN MID

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

Lab Sample ID: 880-9663-13

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 03:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 16:27	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 08:03	CH	XEN MID

Client Sample ID: T-3 (1')

Lab Sample ID: 880-9663-14

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 04:06	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-3 (1')

Lab Sample ID: 880-9663-14

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 16:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 08:09	CH	XEN MID

Client Sample ID: T-3 (2')

Lab Sample ID: 880-9663-15

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 04:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 17:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 08:16	CH	XEN MID

Client Sample ID: T-3 (3')

Lab Sample ID: 880-9663-16

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	15492	12/23/21 16:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15482	12/24/21 13:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15612	12/28/21 08:37	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 17:30	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 08:36	CH	XEN MID

Client Sample ID: T-3 (4')

Lab Sample ID: 880-9663-17

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15492	12/23/21 16:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15482	12/24/21 14:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15612	12/28/21 08:37	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 17:51	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-3 (4')

Date Collected: 12/21/21 00:00

Date Received: 12/22/21 15:31

Lab Sample ID: 880-9663-17

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			5.02 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 08:43	CH	XEN MID

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

Date Collected: 12/21/21 00:00

Date Received: 12/22/21 15:31

Lab Sample ID: 880-9663-18

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			5.03 g	5 mL	15492	12/23/21 16:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15482	12/24/21 14:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15612	12/28/21 08:37	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 18:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 09:03	CH	XEN MID

Client Sample ID: T-4 (1')

Date Collected: 12/21/21 00:00

Date Received: 12/22/21 15:31

Lab Sample ID: 880-9663-19

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			5.01 g	5 mL	15492	12/23/21 16:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15482	12/24/21 14:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15612	12/28/21 08:37	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 18:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 09:09	CH	XEN MID

Client Sample ID: T-4 (2')

Date Collected: 12/21/21 00:00

Date Received: 12/22/21 15:31

Lab Sample ID: 880-9663-20

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 14:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 18:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 09:16	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-4 (3')

Lab Sample ID: 880-9663-21

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 14:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 15:34	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 09:23	CH	XEN MID

Client Sample ID: T-4 (4')

Lab Sample ID: 880-9663-22

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 14:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 16:36	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 09:29	CH	XEN MID

Client Sample ID: T-4 (5')

Lab Sample ID: 880-9663-23

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 15:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 16:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 09:36	CH	XEN MID

Client Sample ID: T-5 (0-1')

Lab Sample ID: 880-9663-24

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 15:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-5 (0-1')

Lab Sample ID: 880-9663-24

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 17:18	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 09:43	CH	XEN MID

Client Sample ID: T-5 (1')

Lab Sample ID: 880-9663-25

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 15:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 17:38	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		5			15657	12/29/21 02:49	CH	XEN MID

Client Sample ID: T-5 (2')

Lab Sample ID: 880-9663-26

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 16:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 17:59	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		5			15657	12/29/21 03:09	CH	XEN MID

Client Sample ID: T-5 (3')

Lab Sample ID: 880-9663-27

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 16:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 18:20	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-5 (3')

Lab Sample ID: 880-9663-27

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		5			15657	12/29/21 03:16	CH	XEN MID

Client Sample ID: T-5 (4')

Lab Sample ID: 880-9663-28

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 16:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 18:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		5			15657	12/29/21 03:23	CH	XEN MID

Client Sample ID: T-5 (5')

Lab Sample ID: 880-9663-29

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 17:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 19:01	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		1			15657	12/29/21 03:30	CH	XEN MID

Client Sample ID: T-5 (6')

Lab Sample ID: 880-9663-30

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 18:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 19:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		1			15657	12/29/21 03:50	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-6 (0-1')

Lab Sample ID: 880-9663-31

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 18:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 20:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		5			15657	12/29/21 03:56	CH	XEN MID

Client Sample ID: T-6 (1')

Lab Sample ID: 880-9663-32

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 19:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 20:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		5			15657	12/29/21 04:03	CH	XEN MID

Client Sample ID: T-6 (2')

Lab Sample ID: 880-9663-33

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 19:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 20:51	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		5			15657	12/29/21 04:10	CH	XEN MID

Client Sample ID: T-6 (3')

Lab Sample ID: 880-9663-34

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 19:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-6 (3')

Lab Sample ID: 880-9663-34

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 21:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		1			15657	12/29/21 04:16	CH	XEN MID

Client Sample ID: T-6 (4')

Lab Sample ID: 880-9663-35

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 20:14	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 21:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		5			15657	12/29/21 04:23	CH	XEN MID

Client Sample ID: T-6 (5')

Lab Sample ID: 880-9663-36

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 20:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 21:58	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		1			15657	12/29/21 04:43	CH	XEN MID

Client Sample ID: T-6 (6')

Lab Sample ID: 880-9663-37

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 20:55	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 22:22	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-6 (6')
Date Collected: 12/21/21 00:00
Date Received: 12/22/21 15:31

Lab Sample ID: 880-9663-37
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	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		1			15657	12/29/21 04:50	CH	XEN MID

Laboratory References:
XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
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: Cosmo Booster

Job ID: 880-9663-1
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

Eurofins Xenco, Midland

Sample Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

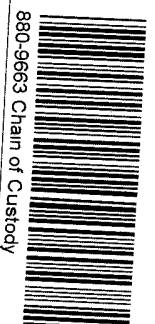
Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-9663-1	T-1 (0-1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-2	T-1 (1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-3	T-1 (2')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-4	T-1 (3')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-5	T-1 (4')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-6	T-1 (5')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-7	T-2 (0-1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-8	T-2 (1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-9	T-2 (2')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-10	T-2 (3')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-11	T-2 (4')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-12	T-2 (5')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-13	T-3 (0-1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-14	T-3 (1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-15	T-3 (2')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-16	T-3 (3')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-17	T-3 (4')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-18	T-4 (0-1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-19	T-4 (1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-20	T-4 (2')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-21	T-4 (3')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-22	T-4 (4')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-23	T-4 (5')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-24	T-5 (0-1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-25	T-5 (1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-26	T-5 (2')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-27	T-5 (3')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-28	T-5 (4')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-29	T-5 (5')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-30	T-5 (6')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-31	T-6 (0-1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-32	T-6 (1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-33	T-6 (2')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-34	T-6 (3')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-35	T-6 (4')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-36	T-6 (5')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-37	T-6 (6')	Solid	12/21/21 00:00	12/22/21 15:31

NTG

ENVIRONMENTAL

Project Manager	Mike Carmona	Bill to (if different)	Joe Vargo
Company Name	NTG Environmental	Company Name	NGI
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@ntgenv.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other ☐	



880-9663 Chain of Custody

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Project Name	Cosmo Booster	Turn Around	☒ Routine ☐ Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes		
Project Number	214966	Due Date																None NO		
Project Location	Lea Co. NM	TAT starts the day received by the lab, if received by 4:30pm																DI Water H ₂ O		
Sampler's Name	AT																	Cool Cool		
PO #																		HCL HC		
SAMPLE RECEIPT	Received Intact:	Temp Blank	Yes	No	Thermometer ID	Yes	No													H ₂ SO ₄ H ₂
	Cooler Custody Seals	Yes	No	N/A	Correction Factor	Yes	No													H ₃ PO ₄ HP
	Sample Custody Seals	Yes	No	N/A	Temperature Reading	Yes	No													NaHSO ₄ NABIS
	Total Containers	Yes	No	N/A	Corrected Temperature	Yes	No													Na ₂ S ₂ O ₃ NaSO ₃
																				Zn Acetate+NaOH Zn

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments											
T-1 (0-1')	12/21/2021		X		G	1	BTX 8021B												HOLD											
T-1 (1')	12/21/2021		X		G	1	TPH 8015M (GRO+DRO+MRO)																							
T-1 (2')	12/21/2021		X		G	1	Chloride 300.0																							
T-1 (3')	12/21/2021		X		G	1																								
T-1 (4')	12/21/2021		X		G	1																								
T-1 (5')	12/21/2021		X		G	1																								
T-2 (0-1')	12/21/2021		X		G	1																								
T-2 (1')	12/21/2021		X		G	1																								
T-2 (2')	12/21/2021		X		G	1																								
T-2 (3')	12/21/2021		X		G	1																								

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 \$8 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
<i>Sam W. Vargo</i>	<i>Altuvia R</i>	12/21/21 15:31			

NTG

Work Order No: 91063

Page 2 of 4

Project Manager	Mike Camrona	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@nnglep.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		Cosmo Booster		Turn Around		ANALYSIS REQUEST													Preservative Codes					
Project Number	214966	☒ Routine	☐ Rush	Project Location	Lea Co. NM	Due Date														None	NO	DI Water	H ₂ O	
Sampler's Name	AT	TAT starts the day received by the lab if received by 4:30pm																		Cool	Cool	MeOH	Me	
PO #																	HCL	HC	HNO ₃	HN				
SAMPLE RECEIPT		Temp Blank	Yes ☒ No ☐	Yes ☒ No ☐	Well Ice	Yes ☒ No ☐														H ₂ SO ₄	H ₂	NaOH	Na	
Received Intact:	Yes ☒ No ☐	Thermometer ID														H ₃ PO ₄	HP							
Cooler Custody Seals	Yes ☒ No ☐	Correction Factor														NaHSO ₄	NABIS							
Sample Custody Seals	Yes ☒ No ☐	Temperature Reading														Na ₂ S ₂ O ₃	NaSO ₃							
Total Containers		Corrected Temperature														Zn Acetate+NaOH	Zn							
																NaOH+Ascorbic Acid	SAPC							
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont														Sample Comments			
T-2 (4')		12/21/2021		X		G	1	X	X	X														
T-2 (5')		12/21/2021		X		G	1	X	X	X														
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-3 (4')		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														

Additional Comments:

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Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>Benjamin J. Davis</i>	<i>Benjamin J. Davis</i>	12/22/21 15:31			



Work Order No: 91603

Page 3 of 4

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@ntgenv.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level I ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other	

Project Name	Cosmo Booster	Turn Around	☒ Routine ☐ Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes				
Project Number	214956															None NO	DI Water H ₂ O		
Project Location	Lea Co. NM	Due Date														Cool Cool	MeOH Me		
Sampler's Name	AT	TAT starts the day received by the lab, if received by 4:30pm													HCL HC	HNO ₃ HN			
PO #																H ₂ SO ₄ H ₂	NaOH Na		
SAMPLE RECEIPT		Temp Blank	Yes ☒ No ☐	Wet Ice	Yes ☒ No ☐	Thermometer ID	IRB											H ₃ PO ₄ HP	
Received Intact:	Yes ☒ No ☐	Correction Factor	N/A															NaHSO ₄ NABIS	
Cooler Custody Seals	Yes ☒ No ☐	Temperature Reading	58															Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes ☒ No ☐	Corrected Temperature	5.9															Zn Acetate+NaOH Zn	
Total Containers																		NaOH+Ascorbic Acid SACP	

Sample Identification	Date	Time	Soil	Water	Grab/	# of	TP		Sample Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Additional Comments:

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Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>Sam McLaughlin</i>	<i>Rebecca R</i>	12/22/21 5:31			



Work Order No: 94063

Page 4 of 4

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@naglep.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 _____			

[illegible]

Additional Comments:

Notices: Signature or time documentation 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 client 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 \$3 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
<i>Steven M. Gault</i>	<i>James R</i>	12/22/21 15:31			

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-9663-1

SDG Number: Lea Co, NM

Login Number: 9663

List Source: Eurofins Xenco, Midland

List Number: 1

Creator: Rodriguez, Leticia

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 70833

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 70833
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	Cleanup of off-site impacts cannot be deferred as they would not meet the deferral requirements of 19.15.29.12(C)(2) NMAC.	1/27/2022
chensley	Closure report due 04/27/2022	1/27/2022