



Site Information

**Closure Report
Igloo 19 CTB
Lea County, New Mexico
Unit O Sec 19 T20S R35E
Incident #: NAPP2131540910
32.557012°, -103.499078°**

**Fire & Produced Water & Crude Oil Release
Release Date: 11/10/21
Volume Released: 150 bbls/Produced Water & 150 bbls/ Crude Oil
Volume Recovered: 150 bbls/Produced Water & 150 bbls/ Crude Oil**

**Prepared for:
Caza Operating, LLC
200 N Lorraine St. #1550
Midland, TX 79702**

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



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January 6, 2022

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

Re: Closure Report
Igloo 19 CTB
Site Location: Unit O, S19, T20S, R25E
(Lat 32.557012°, Long , -103.49978°)
Lea County, New Mexico

To whom it may concern:

On behalf of Caza Operating, LLC (Caza), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment and remediation activities for the Igloo 19 CTB. The site is located at 32.557012°, -103.499078 within Unit O, S19, T20S, R25E, and approximately 21.51 miles Northwest of Eunice, 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 leak was discovered on November 10, 2021, due to a fire. It resulted in the release of approximately one hundred and fifty (150) barrels of crude oil and one hundred and fifty (150) barrels of produced water. A vacuum truck was dispatched to remove all free-standing fluids. Approximately one hundred and fifty (150) barrels of crude oil and one hundred and fifty (150) barrels of produced water were recovered. The impacted area measured approximately 400' x 375', as shown on Figure 3. The initial C-141 form is attached in Appendix A.

Site Characterization

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The closest well is located approximately 0.73 miles West of the site in S24, T20S, R34E. The well has a reported depth to groundwater of 270' below ground surface (bgs). A copy of the associated USGS – National Water Information System 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

Site Assessment

New Tech Global Environmental personnel were onsite on November 29, 2021, to conduct site assessment activities and collect confirmation soil samples of the impacted area resulting from the release. Before NTGE collected confirmation samples, a third-party contractor conducted a surface scrape of the impacted area and removed all facility equipment. A total of twenty-three (23) sample points were advanced to depths ranging surface – 4.5 ft bgs within and surrounding the release area to assess the vertical and horizontal extent of potential impacts.

The soil sample locations are shown on Figure 3. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015 modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports containing analytical methods, results, and chain-of-custody documents are attached in Appendix C. The analytical results are provided in Table 1.

Referring to Table 1, the areas of (S-1 through S-5, S-7 through S-12) showed TPH, chloride, Benzene, and Total BTEX concentrations below the regulatory limits. However, the area of (S-6) had high chloride concentration values ranging from 987 mg/kg to 3,830 mg/kg at a depth from the surface to 2.5' below the surface, then declined with depth.

Horizontal Delineation

The areas of H-1 through H-9 were below the 19.15.29.12 NMAC criteria.

Remediation Activities and Confirmation Sampling

New Tech Global Environmental personnel were onsite from December 20-22, 2021, supervising the remediation activities and collecting confirmation samples. The areas of CS-1 through CS-14 were excavated to a depth of 3.0' below ground surface.

A total of fourteen (14) confirmation samples were collected (CS-1 through CS-14), and six (6) sidewall samples (SW-1 through SW-6) were collected every 200 square feet to ensure proper removal of the contaminated soils. All collected samples were analyzed at Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015 modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 2. The excavation depths and confirmation sample locations are shown in Figure 4.

All final confirmation samples were below 19.15.29.12 NMAC criteria.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 325 cubic yards of material were excavated and transported offsite for proper disposal.

Conclusions

Based on the assessment finding and the analytical results, no further actions are required at the site. The final C-141 is attached, and Caza Operating formally requests closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-582-7193.

Sincerely,
NTG Environmental



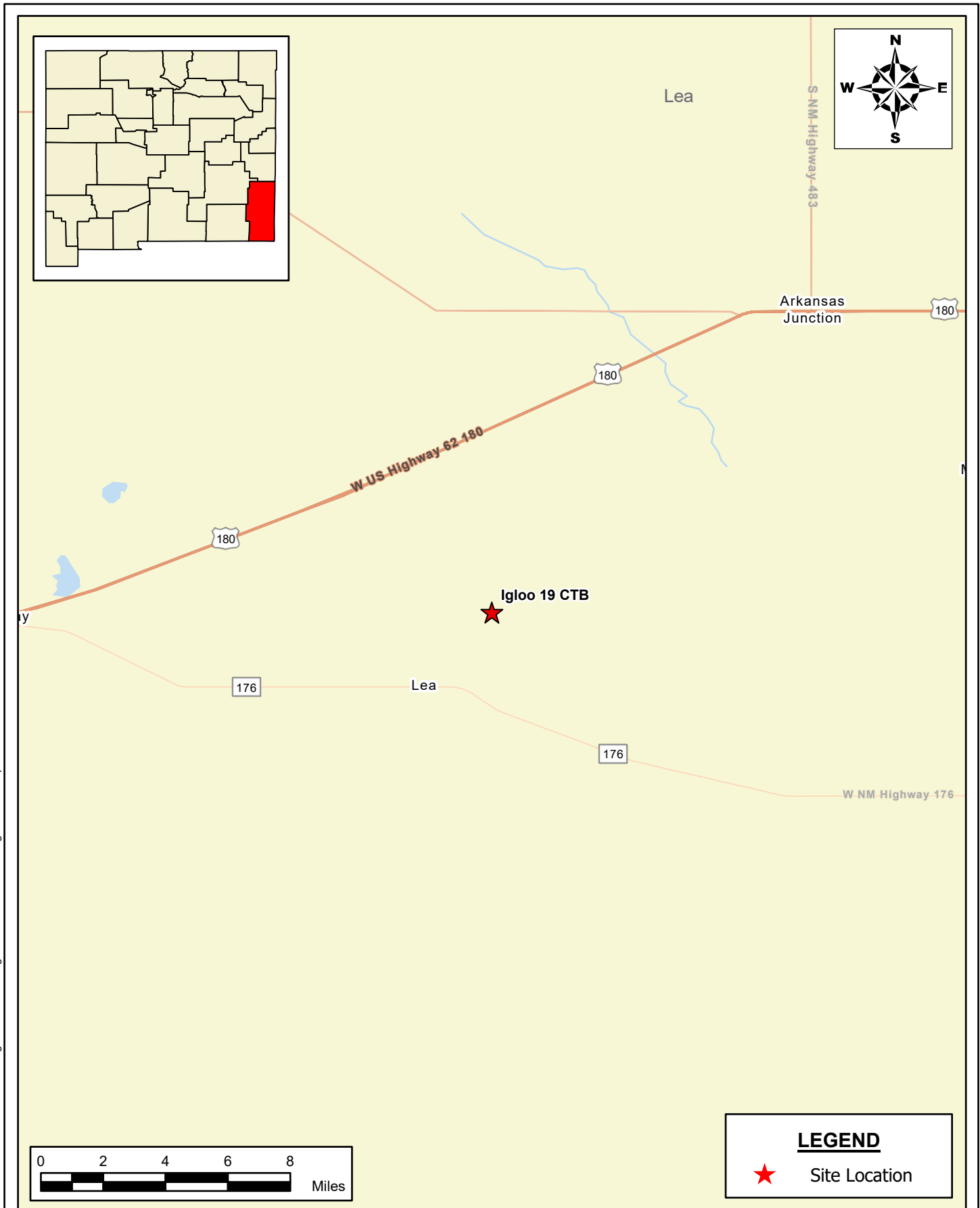
Mike Carmona
Senior Project Manager



Conner Moehring
Project Manager



Figures



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SITE LOCATION MAP
CAZA PETROLEUM, LLC
 IGLOO 19 CTB
 LEA COUNTY, NEW MEXICO
 32.557012, -103.499078

SCALE: As Shown Date: 12/23/2021 PROJECT #: 214896



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

NOTES:

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

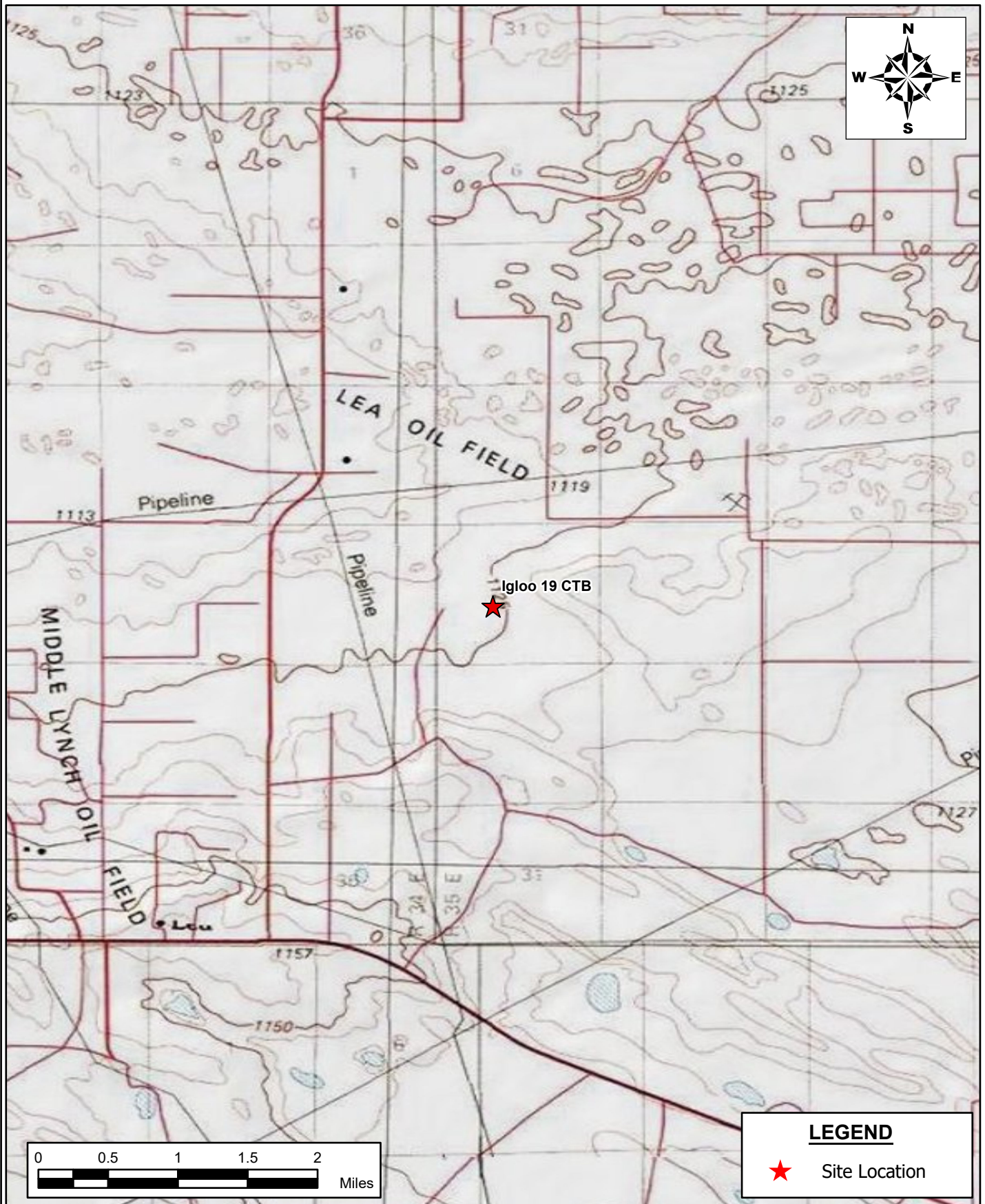
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FIGURE 1

SHEET NUMBER:

1 of 1

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AREA MAP
CAZA PETROLEUM, LLC
IGLOO 19 CTB
LEA COUNTY, NEW MEXICO
 32.557012, -103.499078

SCALE: As Shown

Date: 12/23/2021

PROJECT #: 214896



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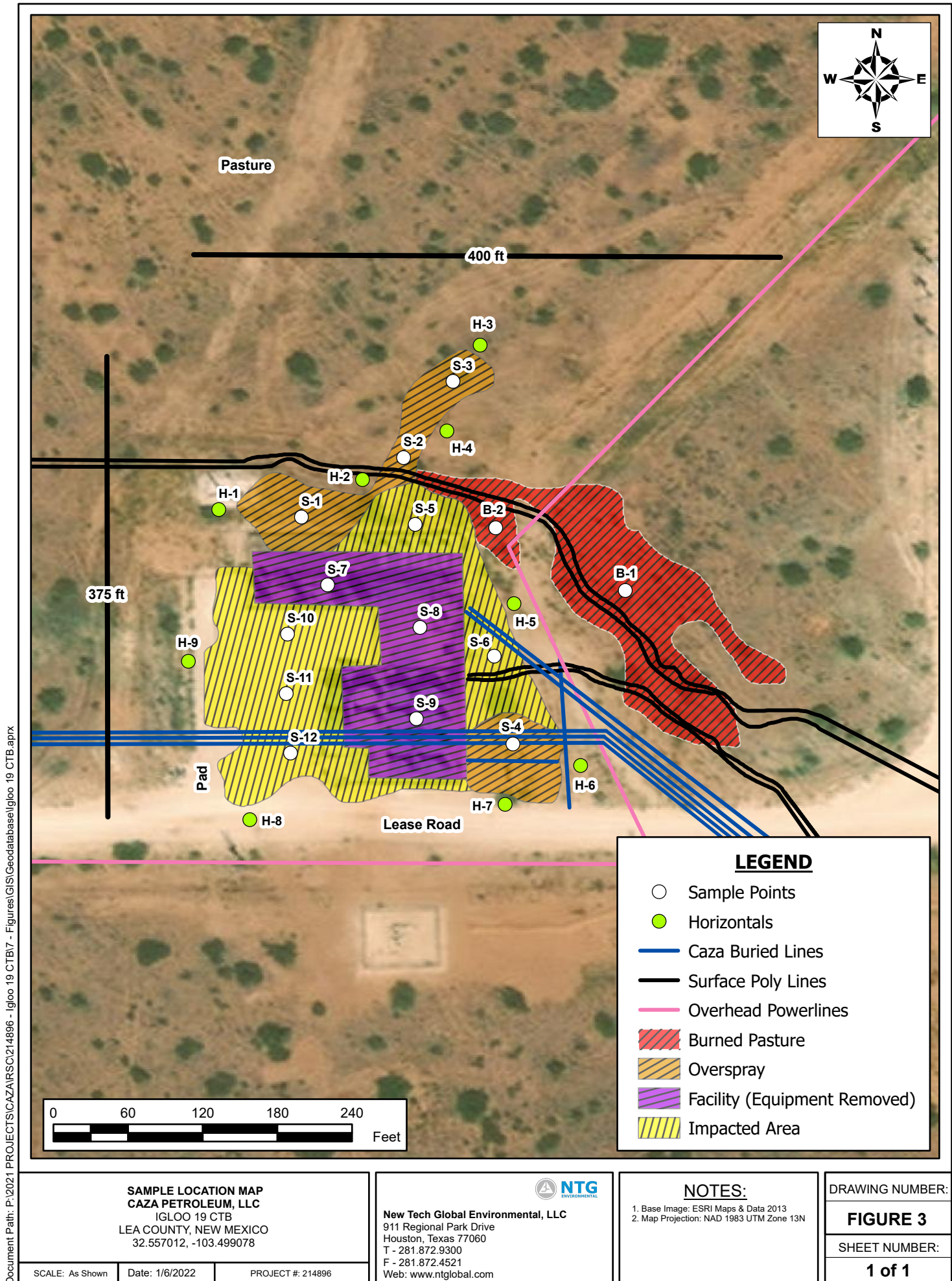
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

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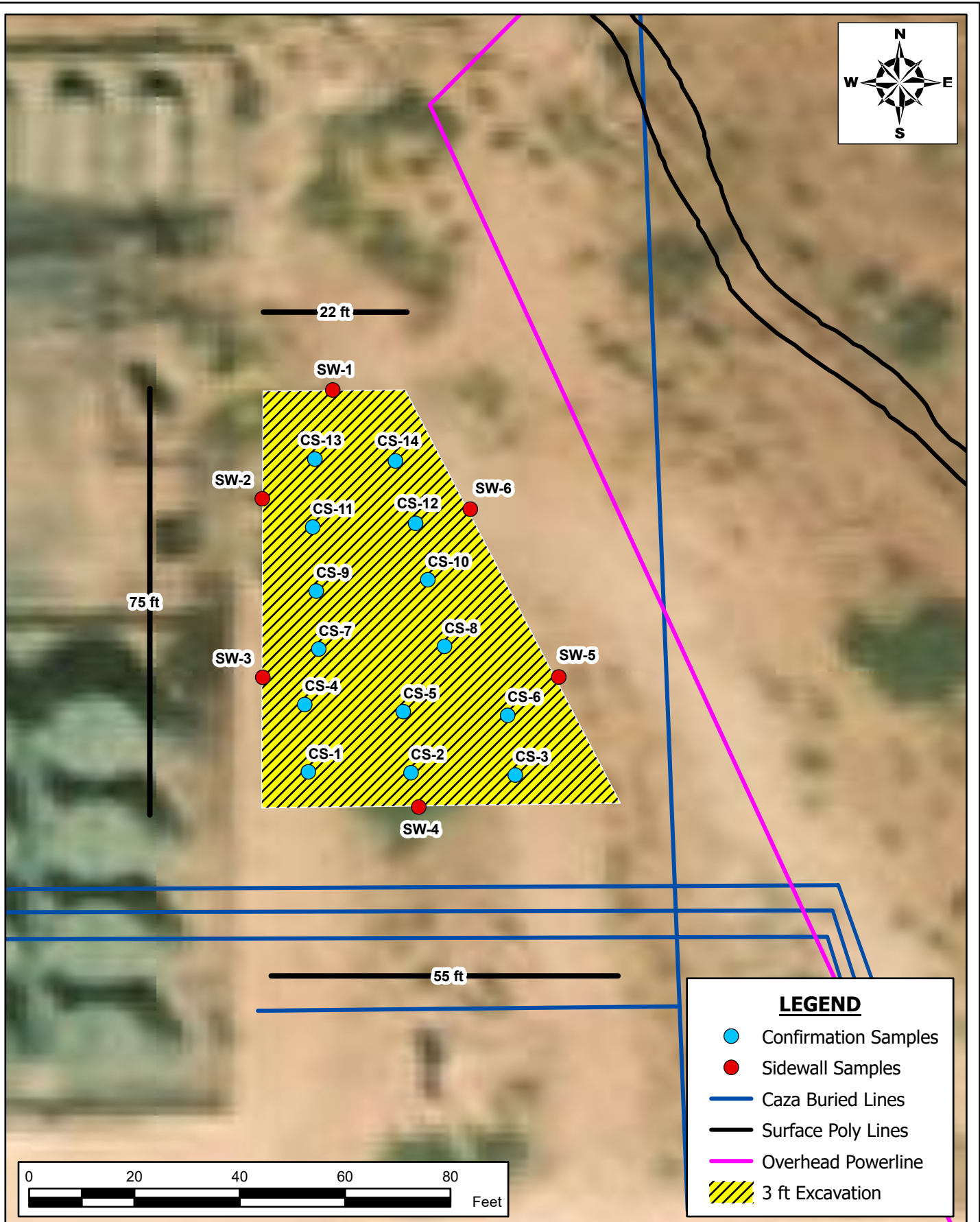
FIGURE 2

SHEET NUMBER:

1 of 1



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EXCAVATION DEPTH MAP
CAZA PETROLEUM, LLC
 IGLOO 19 CTB
 LEA COUNTY, NEW MEXICO
 32.557012, -103.499078

SCALE: As Shown

Date: 1/5/2022

PROJECT #: 214896



New Tech Global Environmental, LLC
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NOTES:

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

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

1 of 1



Tables

Table 1
Caza Operating
Igloo 19 CTB
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	11/29/2021	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	5.63
S-2	11/29/2021	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.04
S-3	11/29/2021	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	15.2
S-4	11/29/2021	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	8.58
S-5	11/29/2021	0-1	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.95
	"	1-1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	5.27
	"	2-2.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<4.97
	"	3-3.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<4.95
	"	4-4.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.99
S-6	11/29/2021	0-1	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,830
	"	1-1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,330
	"	2-2.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	987
	"	3-3.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	177
	"	4-4.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	132
S-7	11/29/2021	0-1	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	77.7
	"	1-1.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	59.7
	"	2-2.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<5.00
	"	3-3.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<5.00
	"	4-4.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<5.03

Table 1
Caza Operating
Igloo 19 CTB
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-8	11/29/2021	0-1	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	24.8
	"	1-1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	12.2
	"	2-2.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	7.01
	"	3-3.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	18.0
	"	4-4.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	40.9
S-9	11/29/2021	0-1	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	50.7
	"	1-1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.2
	"	2-2.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	28.4
S-10	11/29/2021	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	0.00233	<0.00200	<0.00400	<0.00400	18.4
	"	1-1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	0.0667	<0.00200	0.00791	0.0746	19.1
	"	2-2.5	<50.0	<50.0	<50.0	<50.0	<0.00198	0.00199	<0.00198	<0.00396	<0.00396	8.84
	"	3-3.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	9.24
	"	4-4.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	5.94
S-11	11/29/2021	0-1	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	68.5
	"	1-1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	46.7
	"	2-2.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	160
S-12	11/29/2021	0-1	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	12.6
	"	1-1.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	9.62
	"	2-2.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	8.04
	"	3-3.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	9.27
	"	4-4.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	10.2

Table 1
Caza Operating
Igloo 19 CTB
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	11/29/2021	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<4.98
H-2	11/29/2021	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	5.32
H-3	11/29/2021	0-0.5	<49.9	66.8	66.8	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	16.7
H-4	11/29/2021	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<5.00
H-5	11/29/2021	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5.18
H-6	11/29/2021	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	7.87
H-7	11/29/2021	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	6.33
H-8	11/29/2021	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	14.7
H-9	11/29/2021	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	6.19
B-1	11/29/2021	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	7.52
B-2	11/29/2021	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8.06
Regulatory Limits ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

Removed

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

Table 2
Caza Operating
Igloo 19 CTB
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	12/22/2021	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	23.1
CS-2	12/22/2021	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	9.59
CS-3	12/22/2021	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<4.97
CS-4	12/22/2021	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	6.34
CS-5	12/22/2021	3.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	6.79
CS-6	12/22/2021	3.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	7.14
CS-7	12/22/2021	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	0.00250	<0.00201	0.00523	0.00773	5.03
CS-8	12/22/2021	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	7.08
CS-9	12/22/2021	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8.46
CS-10	12/22/2021	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	6.66
CS-11	12/22/2021	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.99
CS-12	12/22/2021	3.0	<49.8	<49.8	<49.8	<49.8	0.00205	<0.00199	<0.00199	<0.00398	0.00570	7.48
CS-13	12/22/2021	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	6.21
CS-14	12/22/2021	3.0	<50.0	<50.0	<50.0	<50.0	0.00531	0.0101	0.00383	<0.00397	0.0192	<4.97
SW-1	12/22/2021	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	0.00382	<0.00402	<0.00402	<4.95
SW-2	12/22/2021	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	6.70
SW-3	12/22/2021	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	7.45
SW-4	12/22/2021	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.02
SW-5	12/22/2021	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<5.05
SW-6	12/22/2021	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<4.97
Regulatory Limits ^A						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



Photo Log

PHOTOGRAPHIC LOG

Caza Operating, LLC

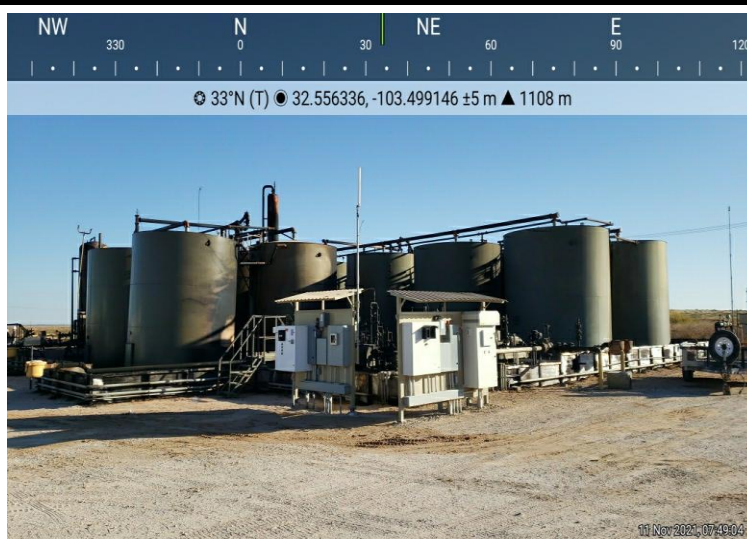
Photograph No. 1

Facility: Igloo 19 CTB

County: Lea County, New Mexico

Description:

View North, area of burned facility equipment.



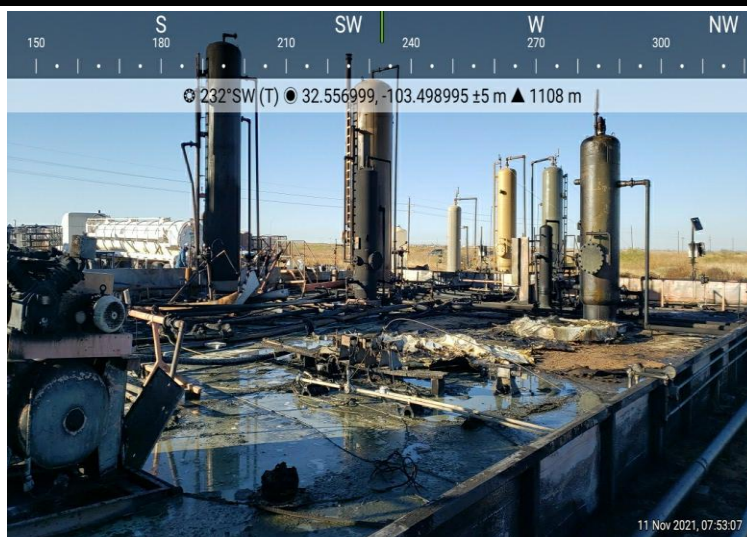
Photograph No. 2

Facility: Igloo 19 CTB

County: Lea County, New Mexico

Description:

View Southwest, area of burned facility equipment.



Photograph No. 3

Facility: Igloo 19 CTB

County: Lea County, New Mexico

Description:

View North, area of Sample Points (B-1).



PHOTOGRAPHIC LOG

Caza Operating, LLC

Photograph No. 4

Facility: Igloo 19 CTB

County: Lea County, New Mexico

Description:

View North, area of Sample Points (B-2).



Photograph No. 5

Facility: Igloo 19 CTB

County: Lea County, New Mexico

Description:

View North, areas of Sample Points (1-3)



Photograph No. 6

Facility: Igloo 19 CTB

County: Lea County, New Mexico

Description:

View North, areas of Sample Points (4-9)



PHOTOGRAPHIC LOG

Caza Operating, LLC

Photograph No. 7

Facility: Igloo 19 CTB

County: Lea County, New Mexico

Description:

View , areas of Sample Points (7-12).



Photograph No. 8

Facility: Igloo 19 CTB

County: Lea County, New Mexico

Description:

View Southeast, area of Confirmation Samples (1-14).



Photograph No. 9

Facility: Igloo 19 CTB

County: Lea County, New Mexico

Description:

View Northeast, area of Confirmation Samples (1-14).





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	nAPP2131540910
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Caza Operating LLC	OGRID 249099
Contact Name Kevin Garrett	Contact Telephone 432-682-7424
Contact email kgarrett@cazapetro.com	Incident # (assigned by OCD) nAPP2131540910
Contact mailing address 200 N Lorraine St #1550, Midland, TX 79702	

Location of Release Source

Latitude 32.557012 Longitude -103.499078
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Igloo 19 CTB	Site Type Battery
Date Release Discovered 11/10/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
O	19	20S	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)

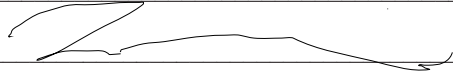
☒ Crude Oil	Volume Released (bbls) 150	Volume Recovered (bbls) 150
☒ Produced Water	Volume Released (bbls) 150	Volume Recovered (bbls) 150
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release Fire		

Incident ID	nAPP2131540910
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? The volume of fluids and the fire.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Steve Morris called Gilbert Cordero and emailed him.	

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: Steve Morris	Title: Engineer
Signature: 	Date: 12/10/2021
email: steve.morris@morcoreengineering.com	Telephone: 985-415-9729
<u>OCD Only</u>	
Received by: _____	Date: _____

Incident ID	nAPP2131540910
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?	270 (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	nAPP2131540910
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: Steve Morris Title: Engineer
Signature:  Date: _____
email: steve.morris@morecorengineering.com Telephone: (988) 415-9729

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2131540910
District RP	
Facility ID	
Application ID	

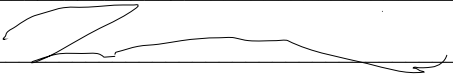
Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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

Printed Name: Steve Morris Title: Engineer
Signature:  Date: _____
email: steve.morris@morecorengineering.com Telephone: (988) 415-9729

OCD Only

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

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

Closure Approved by:  Date: 02/01/2022
Printed Name: Chad Hensley Title: Environmental Specialist Advanced



Appendix B

Nearest water well

Caza Operating, LLC

Legend

 0.50 Mile Radius

 0.73 Miles

 1.49 Miles

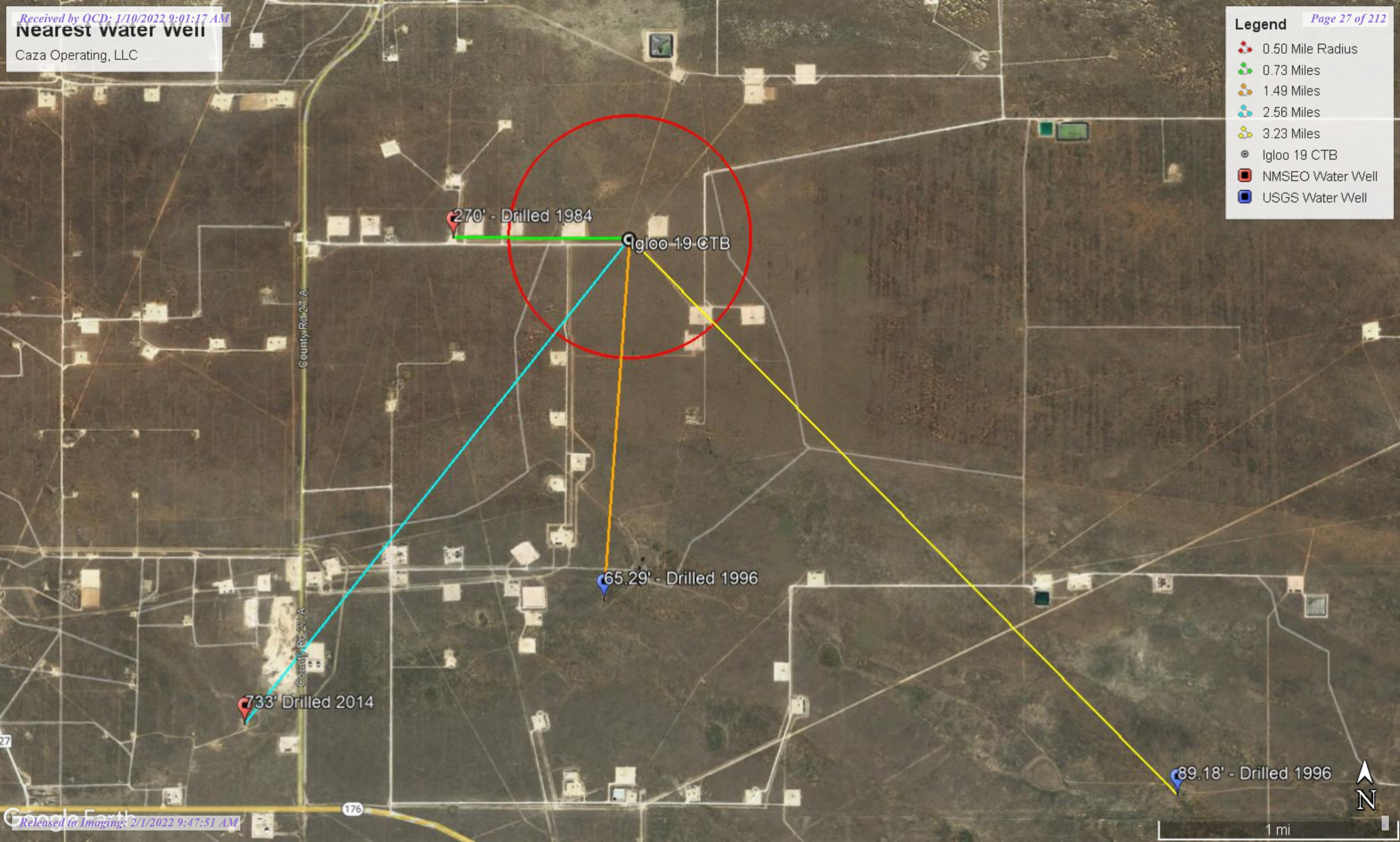
 2.56 Miles

 3.23 Miles

 Igloo 19 CTB

 NMSEO Water Well

 USGS Water Well



Low Karst

Caza Operating, LLC

Legend

- Igloo 19 CTB
- LOW

County Rd 27-A

County Rd 27-A

Igloo 19 CTB





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 00665	CP	LE		1	4	24	20S	34E		639740	3603128*	1183	698	270	428
CP 01204 POD1	CP	LE		3	1	1	25	20S	34E	638755	3602250	2342	370		
CP 00654 POD1	CP	LE		4	4	12	20S	34E		640103	3605947*	2925	60		
CP 00800 POD1	CP	LE		2	2	2	22	20S	34E	637007	3603994*	4008	220		
CP 01334 POD1	CP	LE		1	2	4	35	20S	34E	638402	3599879	4120	1253	733	520
CP 00655 POD1	CP	LE		3	1	14	20S	34E		637294	3605108*	4128	210		

Average Depth to Water: **501 feet**

Minimum Depth: **270 feet**

Maximum Depth: **733 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 640923

Northing (Y): 3603139

Radius: 4200

*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.

11/11/21 6:35 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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 00665	1	4	24	20S	34E		639740	3603128*	
Driller License:	421	Driller Company:				GLENN'S WATER WELL SERVICE				
Driller Name:	GLENN, CLARK A."CORKY" (LD)									
Drill Start Date:	05/25/1984	Drill Finish Date:				05/28/1984		Plug Date:		
Log File Date:	06/11/1984	PCW Rev Date:						Source:		Shallow
Pump Type:		Pipe Discharge Size:						Estimated Yield:		13 GPM
Casing Size:	6.63	Depth Well:				698 feet		Depth Water:		270 feet
Water Bearing Stratifications:					Top	Bottom	Description			
					364	396	Sandstone/Gravel/Conglomerate			
Casing Perforations:					Top	Bottom				
					360	420				

*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.

11/11/21 6:39 AM

POINT OF DIVERSION SUMMARY



National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 323148103295801

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 323148103295801 20S.35E.31.12311

Lea County, New Mexico
Latitude 32°32'06", Longitude 103°30'03" NAD27
Land-surface elevation 3,729.00 feet above NGVD29
The depth of the well is 85 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Wa lev app sta
1954-06-25			D 62610		3660.85	NGVD29	3	Z			
1954-06-25			D 62611		3662.41	NAVD88	3	Z			
1954-06-25			D 72019	68.15			3	Z			
1961-03-08			D 62610		3662.62	NGVD29	3	Z			
1961-03-08			D 62611		3664.18	NAVD88	3	Z			
1961-03-08			D 72019	66.38			3	Z			
1966-03-02			D 62610		3659.84	NGVD29	3	Z			
1966-03-02			D 62611		3661.40	NAVD88	3	Z			
1966-03-02			D 72019	69.16			3	Z			
1968-04-17			D 62610		3661.43	NGVD29	3	Z			
1968-04-17			D 62611		3662.99	NAVD88	3	Z			
1968-04-17			D 72019	67.57			3	Z			
1971-01-26			D 62610		3663.55	NGVD29	1	Z			
1971-01-26			D 62611		3665.11	NAVD88	1	Z			
1971-01-26			D 72019	65.45			1	Z			
1976-02-18			D 62610		3664.67	NGVD29	1	Z			
1976-02-18			D 62611		3666.23	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 of measurement	Water level approval status
1976-02-18			D	72019	64.33		1		Z		
1981-02-18			D	62610		3664.97	NGVD29	1	Z		
1981-02-18			D	62611		3666.53	NAVD88	1	Z		
1981-02-18			D	72019	64.03		1		Z		
1986-04-09			D	62610		3664.07	NGVD29	1	Z		
1986-04-09			D	62611		3665.63	NAVD88	1	Z		
1986-04-09			D	72019	64.93		1		Z		
1991-07-03			D	62610		3662.96	NGVD29	1	Z		
1991-07-03			D	62611		3664.52	NAVD88	1	Z		
1991-07-03			D	72019	66.04		1		Z		
1996-02-02			D	62610		3663.71	NGVD29	1	S		
1996-02-02			D	62611		3665.27	NAVD88	1	S		
1996-02-02			D	72019	65.29		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
Status	3	True value is above reported value due to local conditions
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
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: 2021-12-29 15:34:30 EST

0.29 0.26 nadww01





New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64 Q16 Q4	Sec	Tws	Rng	X	Y
CP 01334	POD1	1 2 4	35	20S	34E	638402	3599879

Driller License:	421	Driller Company:	GLENN'S WATER WELL SERVICE	
Driller Name:	GLENN, CLARK A."CORKY"			
Drill Start Date:	06/21/2014	Drill Finish Date:	07/01/2014	Plug Date:
Log File Date:	08/09/2016	PCW Rev Date:		Source: Artesian
Pump Type:		Pipe Discharge Size:		Estimated Yield: 30 GPM
Casing Size:	9.63	Depth Well:	1253 feet	Depth Water: 733 feet

Water Bearing Stratifications:	Top	Bottom	Description
	1014	1135	Sandstone/Gravel/Conglomerate
	1135	1235	Sandstone/Gravel/Conglomerate
	1235	1258	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	936	1258

Meter Number:	17854	Meter Make:	BLANCETT
Meter Serial Number:	021 607 A002	Meter Multiplier:	1.0000
Number of Dials:	8	Meter Type:	Diversion
Unit of Measure:	Barrels 42 gal.	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
12/31/2016	2016	119754	A	ap		0
01/31/2017	2017	121057	A	ap		16.795
03/01/2017	2017	128886	A	ap		100.911
04/01/2017	2017	128886	A	ap		0
05/01/2017	2017	128886	A	ap		0
06/01/2017	2017	128886	A	ap		0
06/30/2017	2017	155288	A	ap		340.304
07/31/2017	2017	182078	A	ap		345.305
10/31/2017	2017	232057	A	ap		644.196
11/30/2017	2017	258236	A	ap		337.430
12/29/2017	2017	287266	A	ap		374.177
01/31/2018	2018	314644	A	ap		352.884
02/28/2018	2018	337089	A	ap		289.301
03/30/2018	2018	365297	A	ap		363.582
04/30/2018	2018	378598	A	ap		171.441
06/01/2018	2018	394091	A	ap		199.694
06/29/2018	2018	394282	A	ap		2.462
07/31/2018	2018	394282	A	ap		0

09/01/2018	2018	394282	A	ap	0
10/01/2018	2018	410895	A	ap	214.130
11/01/2018	2018	422143	A	ap	144.979
11/30/2018	2018	463904	A	ap	538.271
03/01/2019	2019	509384	A	ap	586.207
04/01/2019	2019	509384	A	ap	0
05/01/2019	2019	532292	A	ap	295.269
05/31/2019	2019	550539	A	ap	235.192
06/30/2019	2019	550539	A	ap	0
08/01/2019	2019	555838	A	RPT	0.683
09/01/2019	2019	562908	A	RPT	0.911
09/30/2019	2019	601171	A	RPT	4.932
10/31/2019	2019	627576	A	RPT	3.403
11/30/2019	2019	645050	A	RPT	2.252
12/31/2019	2019	667409	A	RPT	2.882
02/01/2020	2020	681056	A	RPT	1.759
03/01/2020	2020	681056	A	RPT	0
04/01/2020	2020	681056	A	RPT	0
05/01/2020	2020	681056	A	RPT	0
06/01/2020	2020	681056	A	RPT	0
08/01/2020	2020	681056	A	RPT	0
09/01/2020	2020	681838	A	RPT	0.101
10/01/2020	2020	681839	A	RPT	0
10/31/2020	2020	682043	A	WEB	0.026 X
11/30/2020	2020	682043	A	WEB	0 X
12/31/2020	2020	684071	A	WEB	0.261 X
01/31/2021	2021	684668	A	WEB	0.077 X

**YTD Meter Amounts:	Year	Amount
	2016	0
	2017	2159.118
	2018	2276.744
	2019	1131.731
	2020	2.147
	2021	0.077

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.

11/11/21 6:43 AM

POINT OF DIVERSION SUMMARY



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO



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- [Full News](#) 

Groundwater levels for New Mexico



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Search Results -- 1 sites found

site_no list =

- 323106103273401

Minimum number of levels = 1

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USGS 323106103273401 20S.35E.33.43413

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°31'24", Longitude 103°27'36" NAD27

Land-surface elevation 3,699.00 feet above NGVD29

The depth of the well is 135 feet below land surface.

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

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

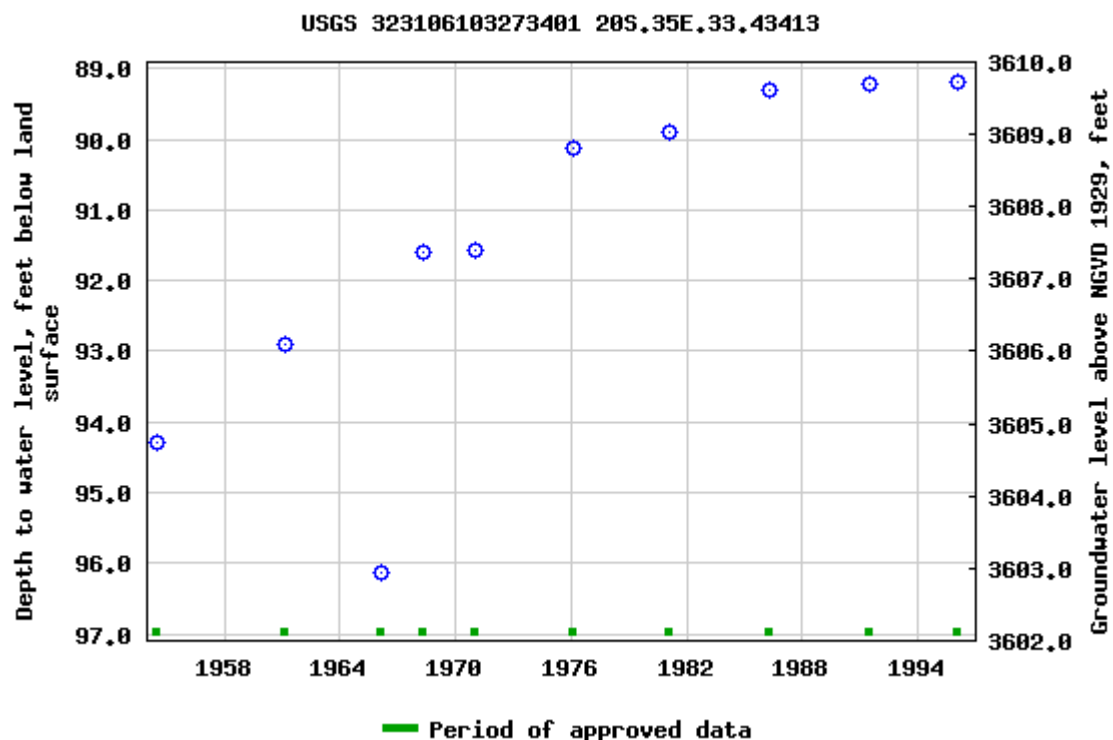
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Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



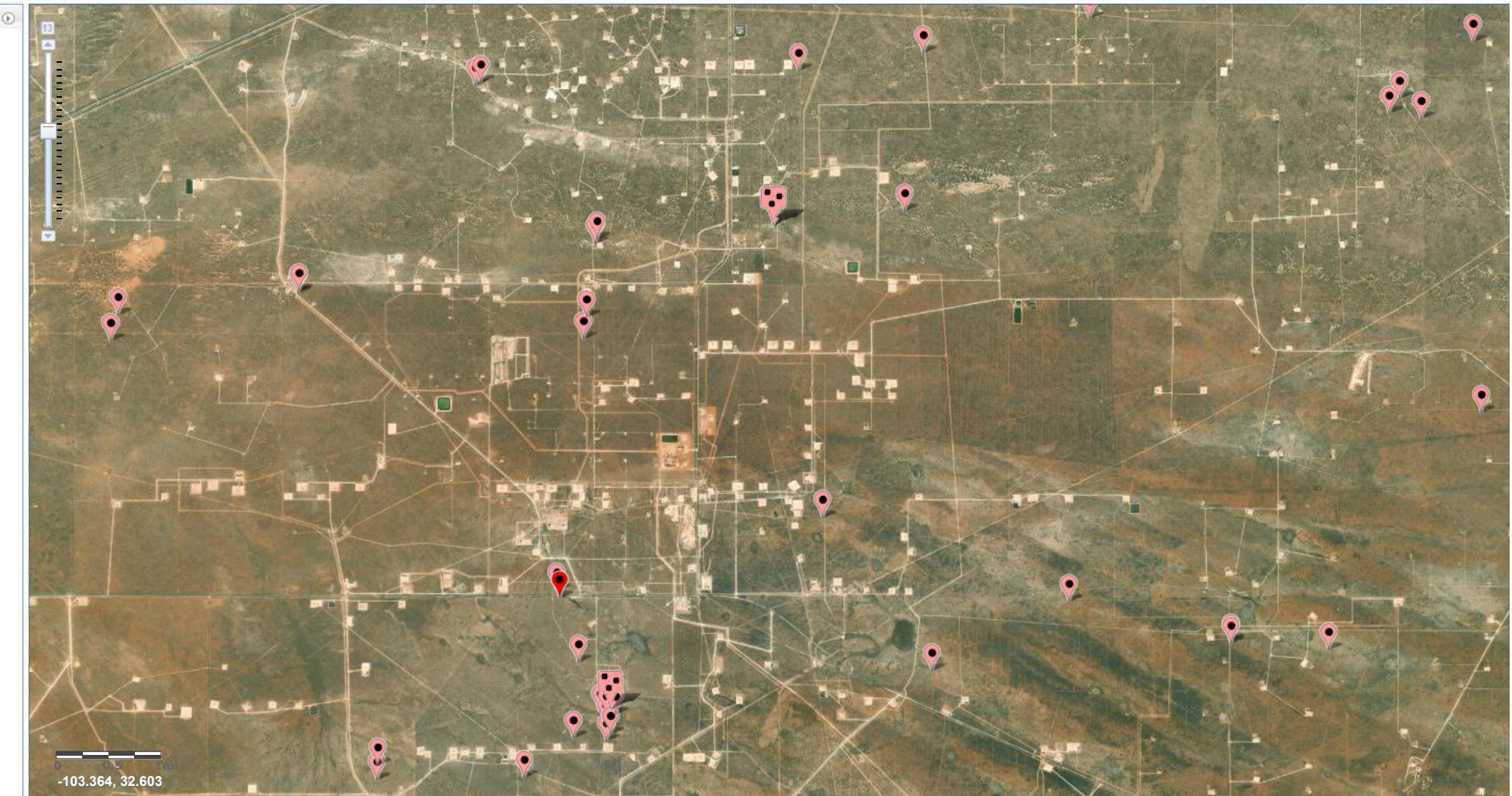
Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2021-11-11 08:52:10 EST

0.56 0.5 nadww02

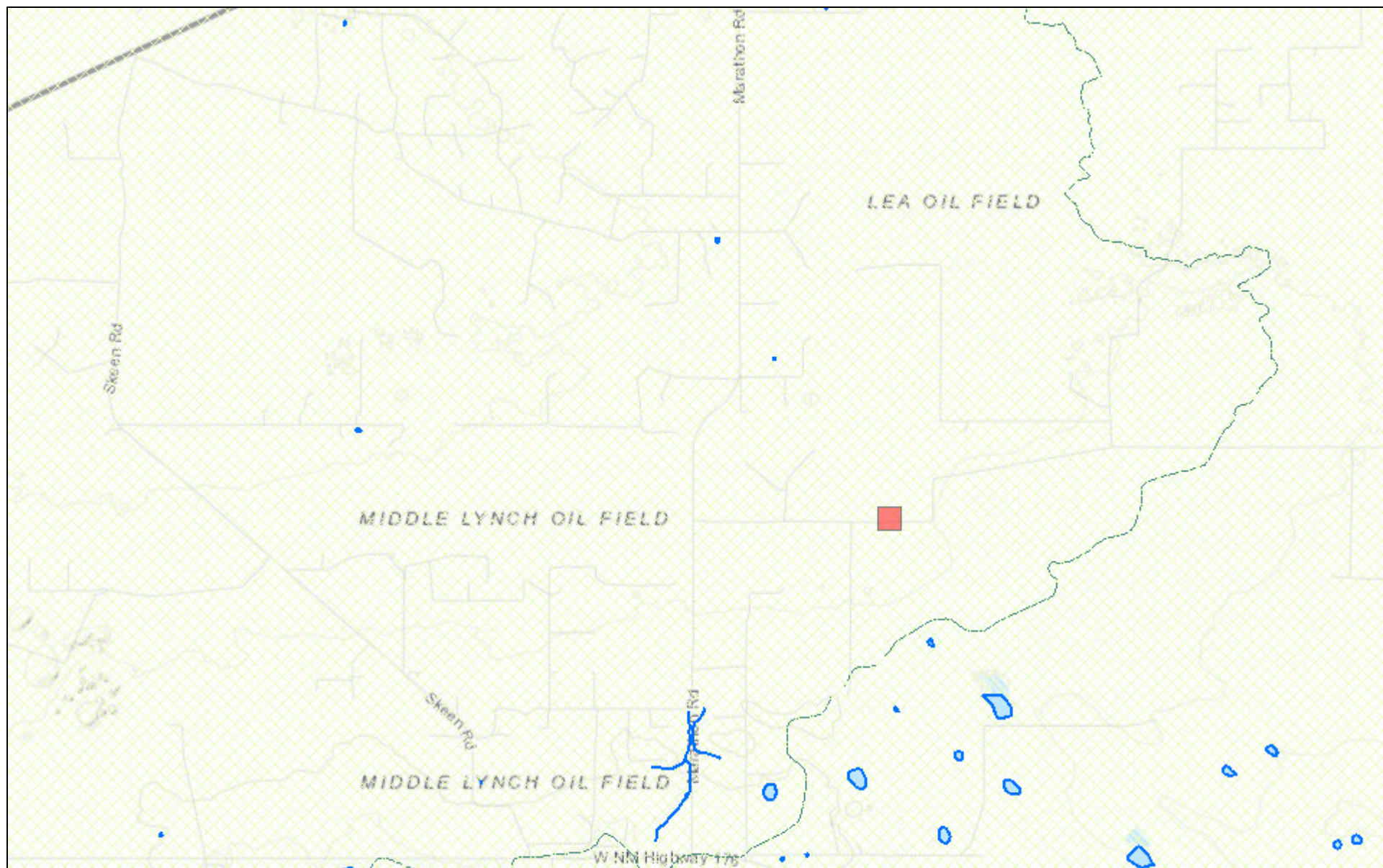


National Water Information System: Mapper

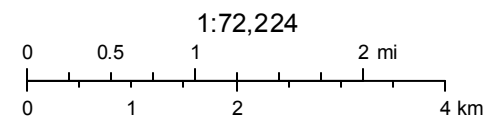


Site Information

New Mexico NFHL Data



November 11, 2021



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



Appendix C



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-8750-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Igloo Facility

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:
12/6/2021 9:05:57 AM

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: Igloo Facility

Laboratory Job ID: 880-8750-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

Qualifiers

GC VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Igloo Facility

Job ID: 880-8750-1
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: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

Job ID: 880-8750-1

Laboratory: Eurofins Xenco, Midland

Narrative

**Job Narrative
880-8750-1**

Receipt

The samples were received on 11/30/2021 10:10 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 0.9°C

GC VOA

Method 8021B: The matrix spike(MS) recoveries for preparation batch 880-13465 and analytical batch 880-13721 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: No volume of surrogate spiking solution was added to the following samples in an analyst prep error: S-8 (1-1.5') (880-8750-21), S-8 (2-2.5') (880-8750-22), S-8 (3-3.5') (880-8750-23), S-8 (4-4.5') (880-8750-24), S-9 (0-01') (880-8750-25), S-9 (1-1.5') (880-8750-26), S-9 (2-2.5') (880-8750-27), S-10 (0-1') (880-8750-30), S-10 (1-1.5') (880-8750-31), S-10 (2-2.5') (880-8750-32), S-10 (3-3.5') (880-8750-33), S-10 (4-4.5') (880-8750-34), S-11 (0-1') (880-8750-35) and S-11 (1-1.5') (880-8750-36). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-13728 and analytical batch 880-13715 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.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-13496 and analytical batch 880-13725 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 880-13495 and analytical batch 880-13729 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: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-1

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/01/21 11:07	12/02/21 11:57	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/01/21 11:07	12/02/21 11:57	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/01/21 11:07	12/02/21 11:57	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		12/01/21 11:07	12/02/21 11:57	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/01/21 11:07	12/02/21 11:57	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		12/01/21 11:07	12/02/21 11:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	12/01/21 11:07	12/02/21 11:57	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/01/21 11:07	12/02/21 11:57	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			12/02/21 16:06	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			12/03/21 10:03	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		12/02/21 09:40	12/02/21 22:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 09:40	12/02/21 22:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/21 09:40	12/02/21 22:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	12/02/21 09:40	12/02/21 22:24	1
o-Terphenyl	94		70 - 130	12/02/21 09:40	12/02/21 22:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.63	F1	4.98		mg/Kg			12/02/21 10:12	1

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

Lab Sample ID: 880-8750-2

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/01/21 11:07	12/02/21 12:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/01/21 11:07	12/02/21 12:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/01/21 11:07	12/02/21 12:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/01/21 11:07	12/02/21 12:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/01/21 11:07	12/02/21 12:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/01/21 11:07	12/02/21 12:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	12/01/21 11:07	12/02/21 12:17	1
1,4-Difluorobenzene (Surr)	100		70 - 130	12/01/21 11:07	12/02/21 12:17	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-2

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/21 16:06	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			12/03/21 10:03	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		12/02/21 09:40	12/02/21 23:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/21 09:40	12/02/21 23:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/21 09:40	12/02/21 23:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				12/02/21 09:40	12/02/21 23:27	1
o-Terphenyl	87		70 - 130				12/02/21 09:40	12/02/21 23:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			12/02/21 10:37	1

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

Lab Sample ID: 880-8750-3

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/01/21 11:07	12/02/21 12:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/01/21 11:07	12/02/21 12:38	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/01/21 11:07	12/02/21 12:38	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		12/01/21 11:07	12/02/21 12:38	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/01/21 11:07	12/02/21 12:38	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		12/01/21 11:07	12/02/21 12:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130				12/01/21 11:07	12/02/21 12:38	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130				12/01/21 11:07	12/02/21 12:38	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			12/02/21 16:06	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			12/03/21 10:03	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		12/02/21 09:40	12/02/21 23:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 09:40	12/02/21 23:48	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-3

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/02/21 09:40	12/02/21 23:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				12/02/21 09:40	12/02/21 23:48	1
o-Terphenyl	104		70 - 130				12/02/21 09:40	12/02/21 23:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.2		4.99		mg/Kg			12/02/21 10:45	1

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

Lab Sample ID: 880-8750-4

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/01/21 11:07	12/02/21 12:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 12:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 12:58	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/01/21 11:07	12/02/21 12:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 12:58	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/01/21 11:07	12/02/21 12:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				12/01/21 11:07	12/02/21 12:58	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/01/21 11:07	12/02/21 12:58	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/02/21 16:06	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			12/03/21 10:03	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		12/02/21 09:40	12/03/21 00:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 09:40	12/03/21 00:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/21 09:40	12/03/21 00:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/02/21 09:40	12/03/21 00:10	1
o-Terphenyl	96		70 - 130				12/02/21 09:40	12/03/21 00:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.58		5.00		mg/Kg			12/02/21 10:54	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-5

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/01/21 11:07	12/02/21 13:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/01/21 11:07	12/02/21 13:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/01/21 11:07	12/02/21 13:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/01/21 11:07	12/02/21 13:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/01/21 11:07	12/02/21 13:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/01/21 11:07	12/02/21 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	12/01/21 11:07	12/02/21 13:18	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/01/21 11:07	12/02/21 13:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/21 16:06	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			12/03/21 10:03	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		12/02/21 09:40	12/03/21 00:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/21 09:40	12/03/21 00:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/21 09:40	12/03/21 00:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	12/02/21 09:40	12/03/21 00:31	1
o-Terphenyl	96		70 - 130	12/02/21 09:40	12/03/21 00:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			12/02/21 11:02	1

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

Lab Sample ID: 880-8750-6

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/01/21 11:07	12/02/21 13:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 13:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 13:39	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/01/21 11:07	12/02/21 13:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 13:39	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/01/21 11:07	12/02/21 13:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	12/01/21 11:07	12/02/21 13:39	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/01/21 11:07	12/02/21 13:39	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-6

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/02/21 16:06	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			12/03/21 10:03	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		12/02/21 09:40	12/03/21 00:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 09:40	12/03/21 00:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/21 09:40	12/03/21 00:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				12/02/21 09:40	12/03/21 00:52	1
o-Terphenyl	93		70 - 130				12/02/21 09:40	12/03/21 00:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.27		5.02		mg/Kg			12/02/21 11:27	1

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

Lab Sample ID: 880-8750-7

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/01/21 11:07	12/02/21 13:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/01/21 11:07	12/02/21 13:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/01/21 11:07	12/02/21 13:59	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/01/21 11:07	12/02/21 13:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/01/21 11:07	12/02/21 13:59	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/01/21 11:07	12/02/21 13:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				12/01/21 11:07	12/02/21 13:59	1
1,4-Difluorobenzene (Surr)	95		70 - 130				12/01/21 11:07	12/02/21 13:59	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/02/21 16:06	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			12/03/21 10:03	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		12/02/21 09:40	12/03/21 01:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/21 09:40	12/03/21 01:13	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-7

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/02/21 09:40	12/03/21 01:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/02/21 09:40	12/03/21 01:13	1
o-Terphenyl	95		70 - 130				12/02/21 09:40	12/03/21 01:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			12/02/21 11:36	1

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

Lab Sample ID: 880-8750-8

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/01/21 11:07	12/02/21 14:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/01/21 11:07	12/02/21 14:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/01/21 11:07	12/02/21 14:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/01/21 11:07	12/02/21 14:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/01/21 11:07	12/02/21 14:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/01/21 11:07	12/02/21 14:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				12/01/21 11:07	12/02/21 14:20	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/01/21 11:07	12/02/21 14:20	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/02/21 16:06	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			12/03/21 10:03	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		12/02/21 09:40	12/03/21 01:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/21 09:40	12/03/21 01:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/21 09:40	12/03/21 01:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				12/02/21 09:40	12/03/21 01:34	1
o-Terphenyl	113		70 - 130				12/02/21 09:40	12/03/21 01:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			12/02/21 11:44	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-9

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/01/21 11:07	12/02/21 14:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/01/21 11:07	12/02/21 14:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/01/21 11:07	12/02/21 14:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/01/21 11:07	12/02/21 14:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/01/21 11:07	12/02/21 14:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/01/21 11:07	12/02/21 14:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	12/01/21 11:07	12/02/21 14:40	1
1,4-Difluorobenzene (Surr)	86		70 - 130	12/01/21 11:07	12/02/21 14:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/21 16:06	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			12/03/21 10:03	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		12/02/21 09:40	12/03/21 01:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 09:40	12/03/21 01:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/21 09:40	12/03/21 01:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	12/02/21 09:40	12/03/21 01:55	1
o-Terphenyl	101		70 - 130	12/02/21 09:40	12/03/21 01:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			12/02/21 11:52	1

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

Lab Sample ID: 880-8750-10

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/01/21 11:07	12/02/21 15:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/01/21 11:07	12/02/21 15:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/01/21 11:07	12/02/21 15:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/01/21 11:07	12/02/21 15:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/01/21 11:07	12/02/21 15:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/01/21 11:07	12/02/21 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	12/01/21 11:07	12/02/21 15:00	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/01/21 11:07	12/02/21 15:00	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-10

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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			12/03/21 10:31	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			12/03/21 10:03	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		12/02/21 09:40	12/03/21 02:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/21 09:40	12/03/21 02:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/21 09:40	12/03/21 02:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				12/02/21 09:40	12/03/21 02:16	1
o-Terphenyl	98		70 - 130				12/02/21 09:40	12/03/21 02:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3830		25.0		mg/Kg			12/02/21 12:01	5

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

Lab Sample ID: 880-8750-11

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/01/21 11:07	12/02/21 16:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 16:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 16:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/01/21 11:07	12/02/21 16:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 16:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/01/21 11:07	12/02/21 16:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				12/01/21 11:07	12/02/21 16:50	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/01/21 11:07	12/02/21 16:50	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			12/03/21 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/03/21 10:03	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		12/02/21 09:40	12/03/21 02:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 09:40	12/03/21 02:59	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-11

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/02/21 09:40	12/03/21 02:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				12/02/21 09:40	12/03/21 02:59	1
o-Terphenyl	100		70 - 130				12/02/21 09:40	12/03/21 02:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2330	F1	24.8		mg/Kg			12/02/21 12:09	5

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

Lab Sample ID: 880-8750-12

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/01/21 11:07	12/02/21 17:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 17:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 17:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/01/21 11:07	12/02/21 17:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 17:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/01/21 11:07	12/02/21 17:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130				12/01/21 11:07	12/02/21 17:11	1
1,4-Difluorobenzene (Surr)	101		70 - 130				12/01/21 11:07	12/02/21 17:11	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/03/21 10:31	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			12/03/21 10:03	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		12/02/21 09:40	12/03/21 03:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/21 09:40	12/03/21 03:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/21 09:40	12/03/21 03:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				12/02/21 09:40	12/03/21 03:20	1
o-Terphenyl	102		70 - 130				12/02/21 09:40	12/03/21 03:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	987		5.04		mg/Kg			12/02/21 12:34	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-13

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/01/21 11:07	12/02/21 17:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/01/21 11:07	12/02/21 17:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/01/21 11:07	12/02/21 17:31	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/01/21 11:07	12/02/21 17:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/01/21 11:07	12/02/21 17:31	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/01/21 11:07	12/02/21 17:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	12/01/21 11:07	12/02/21 17:31	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/01/21 11:07	12/02/21 17:31	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			12/03/21 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/03/21 10:03	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		12/02/21 09:40	12/03/21 03:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 09:40	12/03/21 03:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/21 09:40	12/03/21 03:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	12/02/21 09:40	12/03/21 03:41	1
o-Terphenyl	97		70 - 130	12/02/21 09:40	12/03/21 03:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	177		4.98		mg/Kg			12/02/21 12:42	1

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

Lab Sample ID: 880-8750-14

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/01/21 11:07	12/02/21 17:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/01/21 11:07	12/02/21 17:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/01/21 11:07	12/02/21 17:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/01/21 11:07	12/02/21 17:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/01/21 11:07	12/02/21 17:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/01/21 11:07	12/02/21 17:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	12/01/21 11:07	12/02/21 17:52	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/01/21 11:07	12/02/21 17:52	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-14

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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			12/03/21 10:31	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			12/03/21 10:03	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		12/02/21 09:40	12/03/21 04:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/21 09:40	12/03/21 04:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/21 09:40	12/03/21 04:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/02/21 09:40	12/03/21 04:02	1
o-Terphenyl	97		70 - 130				12/02/21 09:40	12/03/21 04:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		4.95		mg/Kg			12/02/21 13:07	1

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

Lab Sample ID: 880-8750-15

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/01/21 11:07	12/02/21 18:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/01/21 11:07	12/02/21 18:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/01/21 11:07	12/02/21 18:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/01/21 11:07	12/02/21 18:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/01/21 11:07	12/02/21 18:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/01/21 11:07	12/02/21 18:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				12/01/21 11:07	12/02/21 18:12	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/01/21 11:07	12/02/21 18:12	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			12/03/21 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/03/21 10:03	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		12/02/21 09:40	12/03/21 04:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/21 09:40	12/03/21 04:23	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-15

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/02/21 09:40	12/03/21 04:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				12/02/21 09:40	12/03/21 04:23	1
o-Terphenyl	98		70 - 130				12/02/21 09:40	12/03/21 04:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.7		5.01		mg/Kg			12/02/21 13:16	1

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

Lab Sample ID: 880-8750-16

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/01/21 11:07	12/02/21 18:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/01/21 11:07	12/02/21 18:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/01/21 11:07	12/02/21 18:32	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/01/21 11:07	12/02/21 18:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/01/21 11:07	12/02/21 18:32	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/01/21 11:07	12/02/21 18:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130				12/01/21 11:07	12/02/21 18:32	1
1,4-Difluorobenzene (Surr)	92		70 - 130				12/01/21 11:07	12/02/21 18:32	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			12/03/21 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/03/21 10:03	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		12/02/21 09:40	12/03/21 04:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 09:40	12/03/21 04:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/21 09:40	12/03/21 04:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				12/02/21 09:40	12/03/21 04:45	1
o-Terphenyl	95		70 - 130				12/02/21 09:40	12/03/21 04:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.7		4.97		mg/Kg			12/02/21 13:24	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-17

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/01/21 11:07	12/02/21 18:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 18:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 18:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/01/21 11:07	12/02/21 18:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 18:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/01/21 11:07	12/02/21 18:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/01/21 11:07	12/02/21 18:53	1
1,4-Difluorobenzene (Surr)	104		70 - 130	12/01/21 11:07	12/02/21 18:53	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			12/03/21 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/03/21 10:03	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		12/02/21 09:40	12/03/21 07:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 09:40	12/03/21 07:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/21 09:40	12/03/21 07:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	12/02/21 09:40	12/03/21 07:02	1
o-Terphenyl	99		70 - 130	12/02/21 09:40	12/03/21 07:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/02/21 13:33	1

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

Lab Sample ID: 880-8750-18

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/01/21 11:07	12/02/21 19:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/01/21 11:07	12/02/21 19:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/01/21 11:07	12/02/21 19:13	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/01/21 11:07	12/02/21 19:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/01/21 11:07	12/02/21 19:13	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/01/21 11:07	12/02/21 19:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	12/01/21 11:07	12/02/21 19:13	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/01/21 11:07	12/02/21 19:13	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-18

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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			12/03/21 10:31	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			12/03/21 10:03	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		12/02/21 09:40	12/03/21 07:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/21 09:40	12/03/21 07:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/21 09:40	12/03/21 07:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				12/02/21 09:40	12/03/21 07:23	1
o-Terphenyl	99		70 - 130				12/02/21 09:40	12/03/21 07:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/02/21 13:41	1

Client Sample ID: S-7 (4-4.5')

Lab Sample ID: 880-8750-19

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/01/21 11:07	12/02/21 19:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 19:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 19:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/01/21 11:07	12/02/21 19:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 19:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/01/21 11:07	12/02/21 19:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				12/01/21 11:07	12/02/21 19:33	1
1,4-Difluorobenzene (Surr)	96		70 - 130				12/01/21 11:07	12/02/21 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			12/03/21 10:31	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			12/03/21 10:03	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		12/02/21 09:40	12/03/21 07:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/21 09:40	12/03/21 07:44	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

Client Sample ID: S-7 (4-4.5')

Lab Sample ID: 880-8750-19

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/02/21 09:40	12/03/21 07:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				12/02/21 09:40	12/03/21 07:44	1
o-Terphenyl	99		70 - 130				12/02/21 09:40	12/03/21 07:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	U	5.03		mg/Kg			12/02/21 13:49	1

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

Lab Sample ID: 880-8750-20

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/01/21 11:07	12/02/21 19:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 19:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 19:54	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/01/21 11:07	12/02/21 19:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 19:54	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/01/21 11:07	12/02/21 19:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				12/01/21 11:07	12/02/21 19:54	1
1,4-Difluorobenzene (Surr)	87		70 - 130				12/01/21 11:07	12/02/21 19:54	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			12/03/21 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/03/21 10:03	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		12/02/21 09:40	12/03/21 08:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/21 09:40	12/03/21 08:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/21 09:40	12/03/21 08:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				12/02/21 09:40	12/03/21 08:05	1
o-Terphenyl	96		70 - 130				12/02/21 09:40	12/03/21 08:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.8		5.04		mg/Kg			12/02/21 13:58	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-21

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U ** F2 F1 *1	0.00200		mg/Kg		11/30/21 11:09	12/02/21 22:36	1
Toluene	<0.00200	U ** F2 F1 *1	0.00200		mg/Kg		11/30/21 11:09	12/02/21 22:36	1
Ethylbenzene	<0.00200	U ** F2 F1 *1	0.00200		mg/Kg		11/30/21 11:09	12/02/21 22:36	1
m-Xylene & p-Xylene	<0.00400	U ** F2 F1 *1	0.00400		mg/Kg		11/30/21 11:09	12/02/21 22:36	1
o-Xylene	<0.00200	U ** F2 F1 *1	0.00200		mg/Kg		11/30/21 11:09	12/02/21 22:36	1
Xylenes, Total	<0.00400	U ** F2 F1 *1	0.00400		mg/Kg		11/30/21 11:09	12/02/21 22:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				11/30/21 11:09	12/02/21 22:36	1
1,4-Difluorobenzene (Surr)	105		70 - 130				11/30/21 11:09	12/02/21 22:36	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			12/03/21 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/03/21 10:03	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		12/02/21 09:56	12/02/21 13:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 09:56	12/02/21 13:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/21 09:56	12/02/21 13:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.07	S1-	70 - 130				12/02/21 09:56	12/02/21 13:27	1
o-Terphenyl	0.1	S1-	70 - 130				12/02/21 09:56	12/02/21 13:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.2	F1	4.98		mg/Kg			12/01/21 23:27	1

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

Lab Sample ID: 880-8750-22

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U ** *1	0.00198		mg/Kg		11/30/21 11:09	12/02/21 22:56	1
Toluene	<0.00198	U ** *1	0.00198		mg/Kg		11/30/21 11:09	12/02/21 22:56	1
Ethylbenzene	<0.00198	U ** *1	0.00198		mg/Kg		11/30/21 11:09	12/02/21 22:56	1
m-Xylene & p-Xylene	<0.00396	U ** *1	0.00396		mg/Kg		11/30/21 11:09	12/02/21 22:56	1
o-Xylene	<0.00198	U ** *1	0.00198		mg/Kg		11/30/21 11:09	12/02/21 22:56	1
Xylenes, Total	<0.00396	U ** *1	0.00396		mg/Kg		11/30/21 11:09	12/02/21 22:56	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-22

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	11/30/21 11:09	12/02/21 22:56	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/30/21 11:09	12/02/21 22:56	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			12/03/21 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/03/21 10:03	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		12/02/21 09:56	12/02/21 13:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 09:56	12/02/21 13:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/21 09:56	12/02/21 13:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.01	S1-	70 - 130				12/02/21 09:56	12/02/21 13:48	1
o-Terphenyl	0.1	S1-	70 - 130				12/02/21 09:56	12/02/21 13:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.01		5.04		mg/Kg			12/01/21 23:52	1

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

Lab Sample ID: 880-8750-23

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *+ *1	0.00198		mg/Kg		11/30/21 11:09	12/02/21 23:16	1
Toluene	<0.00198	U *+ *1	0.00198		mg/Kg		11/30/21 11:09	12/02/21 23:16	1
Ethylbenzene	<0.00198	U *+ *1	0.00198		mg/Kg		11/30/21 11:09	12/02/21 23:16	1
m-Xylene & p-Xylene	<0.00397	U *+ *1	0.00397		mg/Kg		11/30/21 11:09	12/02/21 23:16	1
o-Xylene	<0.00198	U *+ *1	0.00198		mg/Kg		11/30/21 11:09	12/02/21 23:16	1
Xylenes, Total	<0.00397	U *+ *1	0.00397		mg/Kg		11/30/21 11:09	12/02/21 23:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				11/30/21 11:09	12/02/21 23:16	1
1,4-Difluorobenzene (Surr)	104		70 - 130				11/30/21 11:09	12/02/21 23:16	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			12/03/21 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/03/21 10:03	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-23

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/02/21 09:56	12/02/21 14:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/21 09:56	12/02/21 14:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/21 09:56	12/02/21 14:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.03	S1-	70 - 130	12/02/21 09:56	12/02/21 14:08	1
o-Terphenyl	0.09	S1-	70 - 130	12/02/21 09:56	12/02/21 14:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.0		4.99		mg/Kg			12/02/21 00:00	1

Client Sample ID: S-8 (4-4.5')

Lab Sample ID: 880-8750-24

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U ** *1	0.00199		mg/Kg		11/30/21 11:09	12/02/21 23:37	1
Toluene	<0.00199	U ** *1	0.00199		mg/Kg		11/30/21 11:09	12/02/21 23:37	1
Ethylbenzene	<0.00199	U ** *1	0.00199		mg/Kg		11/30/21 11:09	12/02/21 23:37	1
m-Xylene & p-Xylene	<0.00398	U ** *1	0.00398		mg/Kg		11/30/21 11:09	12/02/21 23:37	1
o-Xylene	<0.00199	U ** *1	0.00199		mg/Kg		11/30/21 11:09	12/02/21 23:37	1
Xylenes, Total	<0.00398	U ** *1	0.00398		mg/Kg		11/30/21 11:09	12/02/21 23:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	11/30/21 11:09	12/02/21 23:37	1
1,4-Difluorobenzene (Surr)	107		70 - 130	11/30/21 11:09	12/02/21 23:37	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			12/03/21 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/03/21 10:03	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		12/02/21 09:56	12/02/21 14:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 09:56	12/02/21 14:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/21 09:56	12/02/21 14:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.02	S1-	70 - 130	12/02/21 09:56	12/02/21 14:29	1
o-Terphenyl	0.1	S1-	70 - 130	12/02/21 09:56	12/02/21 14:29	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

Client Sample ID: S-8 (4-4.5')

Lab Sample ID: 880-8750-24

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.9		5.00		mg/Kg			12/02/21 00:09	1

Client Sample ID: S-9 (0-01')

Lab Sample ID: 880-8750-25

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *+ *1	0.00202		mg/Kg		11/30/21 11:09	12/02/21 23:57	1
Toluene	<0.00202	U *+ *1	0.00202		mg/Kg		11/30/21 11:09	12/02/21 23:57	1
Ethylbenzene	<0.00202	U *+ *1	0.00202		mg/Kg		11/30/21 11:09	12/02/21 23:57	1
m-Xylene & p-Xylene	<0.00403	U *+ *1	0.00403		mg/Kg		11/30/21 11:09	12/02/21 23:57	1
o-Xylene	<0.00202	U *+ *1	0.00202		mg/Kg		11/30/21 11:09	12/02/21 23:57	1
Xylenes, Total	<0.00403	U *+ *1	0.00403		mg/Kg		11/30/21 11:09	12/02/21 23:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	11/30/21 11:09	12/02/21 23:57	1
1,4-Difluorobenzene (Surr)	109		70 - 130	11/30/21 11:09	12/02/21 23:57	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/03/21 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/03/21 10:03	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		12/02/21 09:56	12/02/21 14:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/21 09:56	12/02/21 14:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/21 09:56	12/02/21 14:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.02	S1-	70 - 130	12/02/21 09:56	12/02/21 14:50	1
o-Terphenyl	0.06	S1-	70 - 130	12/02/21 09:56	12/02/21 14:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.7		4.95		mg/Kg			12/02/21 00:17	1

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

Lab Sample ID: 880-8750-26

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+ *1	0.00199		mg/Kg		11/30/21 11:09	12/03/21 00:18	1
Toluene	<0.00199	U *+ *1	0.00199		mg/Kg		11/30/21 11:09	12/03/21 00:18	1
Ethylbenzene	<0.00199	U *+ *1	0.00199		mg/Kg		11/30/21 11:09	12/03/21 00:18	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-26

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00398	U ** *1	0.00398		mg/Kg		11/30/21 11:09	12/03/21 00:18	1
o-Xylene	<0.00199	U ** *1	0.00199		mg/Kg		11/30/21 11:09	12/03/21 00:18	1
Xylenes, Total	<0.00398	U ** *1	0.00398		mg/Kg		11/30/21 11:09	12/03/21 00:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				11/30/21 11:09	12/03/21 00:18	1
1,4-Difluorobenzene (Surr)	81		70 - 130				11/30/21 11:09	12/03/21 00:18	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			12/03/21 10:31	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			12/03/21 10:03	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		12/02/21 09:56	12/02/21 15:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/21 09:56	12/02/21 15:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/21 09:56	12/02/21 15:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.01	S1-	70 - 130				12/02/21 09:56	12/02/21 15:11	1
o-Terphenyl	0.1	S1-	70 - 130				12/02/21 09:56	12/02/21 15:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.2		5.02		mg/Kg			12/02/21 00:42	1

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

Lab Sample ID: 880-8750-27

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U ** *1	0.00200		mg/Kg		11/30/21 11:09	12/03/21 00:38	1
Toluene	<0.00200	U ** *1	0.00200		mg/Kg		11/30/21 11:09	12/03/21 00:38	1
Ethylbenzene	<0.00200	U ** *1	0.00200		mg/Kg		11/30/21 11:09	12/03/21 00:38	1
m-Xylene & p-Xylene	<0.00401	U ** *1	0.00401		mg/Kg		11/30/21 11:09	12/03/21 00:38	1
o-Xylene	<0.00200	U ** *1	0.00200		mg/Kg		11/30/21 11:09	12/03/21 00:38	1
Xylenes, Total	<0.00401	U ** *1	0.00401		mg/Kg		11/30/21 11:09	12/03/21 00:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				11/30/21 11:09	12/03/21 00:38	1
1,4-Difluorobenzene (Surr)	86		70 - 130				11/30/21 11:09	12/03/21 00:38	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			12/03/21 10:31	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-27

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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			12/03/21 10:03	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		12/02/21 09:56	12/02/21 15:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 09:56	12/02/21 15:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/21 09:56	12/02/21 15:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.03	S1-	70 - 130				12/02/21 09:56	12/02/21 15:32	1
o-Terphenyl	0.05	S1-	70 - 130				12/02/21 09:56	12/02/21 15:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.4		4.97		mg/Kg			12/02/21 00:50	1

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

Lab Sample ID: 880-8750-30

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+ *1	0.00200		mg/Kg		11/30/21 11:09	12/03/21 00:59	1
Toluene	0.00233	*+ *1	0.00200		mg/Kg		11/30/21 11:09	12/03/21 00:59	1
Ethylbenzene	<0.00200	U *+ *1	0.00200		mg/Kg		11/30/21 11:09	12/03/21 00:59	1
m-Xylene & p-Xylene	<0.00400	U *+ *1	0.00400		mg/Kg		11/30/21 11:09	12/03/21 00:59	1
o-Xylene	<0.00200	U *+ *1	0.00200		mg/Kg		11/30/21 11:09	12/03/21 00:59	1
Xylenes, Total	<0.00400	U *+ *1	0.00400		mg/Kg		11/30/21 11:09	12/03/21 00:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				11/30/21 11:09	12/03/21 00:59	1
1,4-Difluorobenzene (Surr)	105		70 - 130				11/30/21 11:09	12/03/21 00:59	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			12/03/21 10:44	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			12/03/21 10:03	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		12/02/21 09:56	12/02/21 15:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/21 09:56	12/02/21 15:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/21 09:56	12/02/21 15:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.01	S1-	70 - 130				12/02/21 09:56	12/02/21 15:53	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-30

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	0.1	S1-	70 - 130	12/02/21 09:56	12/02/21 15:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.4		4.95		mg/Kg			12/02/21 00:59	1

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

Lab Sample ID: 880-8750-31

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U ** *1	0.00200		mg/Kg		11/30/21 11:09	12/03/21 01:19	1
Toluene	0.0667	*+ *1	0.00200		mg/Kg		11/30/21 11:09	12/03/21 01:19	1
Ethylbenzene	<0.00200	U ** *1	0.00200		mg/Kg		11/30/21 11:09	12/03/21 01:19	1
m-Xylene & p-Xylene	<0.00400	U ** *1	0.00400		mg/Kg		11/30/21 11:09	12/03/21 01:19	1
o-Xylene	0.00791	*+ *1	0.00200		mg/Kg		11/30/21 11:09	12/03/21 01:19	1
Xylenes, Total	0.00791	*+ *1	0.00400		mg/Kg		11/30/21 11:09	12/03/21 01:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				11/30/21 11:09	12/03/21 01:19	1
1,4-Difluorobenzene (Surr)	103		70 - 130				11/30/21 11:09	12/03/21 01:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0746		0.00400		mg/Kg			12/03/21 10:44	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			12/03/21 10:03	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		12/02/21 09:56	12/02/21 16:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 09:56	12/02/21 16:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/21 09:56	12/02/21 16:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.01	S1-	70 - 130				12/02/21 09:56	12/02/21 16:36	1
o-Terphenyl	0.05	S1-	70 - 130				12/02/21 09:56	12/02/21 16:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.1		4.99		mg/Kg			12/02/21 01:07	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-32

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U ** *1	0.00198		mg/Kg		11/30/21 11:09	12/03/21 01:39	1
Toluene	0.00199	*+ *1	0.00198		mg/Kg		11/30/21 11:09	12/03/21 01:39	1
Ethylbenzene	<0.00198	U ** *1	0.00198		mg/Kg		11/30/21 11:09	12/03/21 01:39	1
m-Xylene & p-Xylene	<0.00396	U ** *1	0.00396		mg/Kg		11/30/21 11:09	12/03/21 01:39	1
o-Xylene	<0.00198	U ** *1	0.00198		mg/Kg		11/30/21 11:09	12/03/21 01:39	1
Xylenes, Total	<0.00396	U ** *1	0.00396		mg/Kg		11/30/21 11:09	12/03/21 01:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	11/30/21 11:09	12/03/21 01:39	1
1,4-Difluorobenzene (Surr)	77		70 - 130	11/30/21 11:09	12/03/21 01:39	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			12/03/21 10:44	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			12/03/21 10:03	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		12/02/21 09:56	12/02/21 16:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/21 09:56	12/02/21 16:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/21 09:56	12/02/21 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.01	S1-	70 - 130	12/02/21 09:56	12/02/21 16:57	1
o-Terphenyl	0.05	S1-	70 - 130	12/02/21 09:56	12/02/21 16:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.84		5.00		mg/Kg			12/02/21 01:16	1

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

Lab Sample ID: 880-8750-33

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U ** *1	0.00201		mg/Kg		11/30/21 11:09	12/03/21 03:01	1
Toluene	<0.00201	U ** *1	0.00201		mg/Kg		11/30/21 11:09	12/03/21 03:01	1
Ethylbenzene	<0.00201	U ** *1	0.00201		mg/Kg		11/30/21 11:09	12/03/21 03:01	1
m-Xylene & p-Xylene	<0.00402	U ** *1	0.00402		mg/Kg		11/30/21 11:09	12/03/21 03:01	1
o-Xylene	<0.00201	U ** *1	0.00201		mg/Kg		11/30/21 11:09	12/03/21 03:01	1
Xylenes, Total	<0.00402	U ** *1	0.00402		mg/Kg		11/30/21 11:09	12/03/21 03:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	11/30/21 11:09	12/03/21 03:01	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/30/21 11:09	12/03/21 03:01	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-33

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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			12/03/21 10:44	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			12/03/21 10:03	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		12/02/21 09:56	12/02/21 17:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 09:56	12/02/21 17:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/21 09:56	12/02/21 17:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.009	S1-	70 - 130				12/02/21 09:56	12/02/21 17:18	1
o-Terphenyl	0.08	S1-	70 - 130				12/02/21 09:56	12/02/21 17:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.24		4.96		mg/Kg			12/02/21 01:24	1

Client Sample ID: S-10 (4-4.5')

Lab Sample ID: 880-8750-34

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U ** *1	0.00200		mg/Kg		11/30/21 11:09	12/03/21 03:22	1
Toluene	<0.00200	U ** *1	0.00200		mg/Kg		11/30/21 11:09	12/03/21 03:22	1
Ethylbenzene	<0.00200	U ** *1	0.00200		mg/Kg		11/30/21 11:09	12/03/21 03:22	1
m-Xylene & p-Xylene	<0.00401	U ** *1	0.00401		mg/Kg		11/30/21 11:09	12/03/21 03:22	1
o-Xylene	<0.00200	U ** *1	0.00200		mg/Kg		11/30/21 11:09	12/03/21 03:22	1
Xylenes, Total	<0.00401	U ** *1	0.00401		mg/Kg		11/30/21 11:09	12/03/21 03:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				11/30/21 11:09	12/03/21 03:22	1
1,4-Difluorobenzene (Surr)	106		70 - 130				11/30/21 11:09	12/03/21 03:22	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			12/03/21 10:44	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			12/03/21 10:03	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		12/02/21 09:56	12/02/21 17:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/21 09:56	12/02/21 17:38	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

Client Sample ID: S-10 (4-4.5')

Lab Sample ID: 880-8750-34

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/02/21 09:56	12/02/21 17:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.02	S1-	70 - 130				12/02/21 09:56	12/02/21 17:38	1
o-Terphenyl	0.04	S1-	70 - 130				12/02/21 09:56	12/02/21 17:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.94		5.04		mg/Kg			12/02/21 01:49	1

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

Lab Sample ID: 880-8750-35

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *+ *1	0.00201		mg/Kg		11/30/21 11:09	12/03/21 03:42	1
Toluene	<0.00201	U *+ *1	0.00201		mg/Kg		11/30/21 11:09	12/03/21 03:42	1
Ethylbenzene	<0.00201	U *+ *1	0.00201		mg/Kg		11/30/21 11:09	12/03/21 03:42	1
m-Xylene & p-Xylene	<0.00402	U *+ *1	0.00402		mg/Kg		11/30/21 11:09	12/03/21 03:42	1
o-Xylene	<0.00201	U *+ *1	0.00201		mg/Kg		11/30/21 11:09	12/03/21 03:42	1
Xylenes, Total	<0.00402	U *+ *1	0.00402		mg/Kg		11/30/21 11:09	12/03/21 03:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				11/30/21 11:09	12/03/21 03:42	1
1,4-Difluorobenzene (Surr)	76		70 - 130				11/30/21 11:09	12/03/21 03:42	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			12/03/21 10:44	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			12/03/21 10:03	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		12/02/21 09:56	12/02/21 17:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/21 09:56	12/02/21 17:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/21 09:56	12/02/21 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.02	S1-	70 - 130				12/02/21 09:56	12/02/21 17:59	1
o-Terphenyl	0.08	S1-	70 - 130				12/02/21 09:56	12/02/21 17:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.5		4.98		mg/Kg			12/02/21 01:57	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-36

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U ** *1	0.00201		mg/Kg		11/30/21 11:09	12/03/21 04:03	1
Toluene	<0.00201	U ** *1	0.00201		mg/Kg		11/30/21 11:09	12/03/21 04:03	1
Ethylbenzene	<0.00201	U ** *1	0.00201		mg/Kg		11/30/21 11:09	12/03/21 04:03	1
m-Xylene & p-Xylene	<0.00402	U ** *1	0.00402		mg/Kg		11/30/21 11:09	12/03/21 04:03	1
o-Xylene	<0.00201	U ** *1	0.00201		mg/Kg		11/30/21 11:09	12/03/21 04:03	1
Xylenes, Total	<0.00402	U ** *1	0.00402		mg/Kg		11/30/21 11:09	12/03/21 04:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	11/30/21 11:09	12/03/21 04:03	1
1,4-Difluorobenzene (Surr)	98		70 - 130	11/30/21 11:09	12/03/21 04:03	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			12/03/21 10:44	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			12/03/21 10:03	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		12/02/21 09:56	12/02/21 18:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 09:56	12/02/21 18:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/21 09:56	12/02/21 18:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.03	S1-	70 - 130	12/02/21 09:56	12/02/21 18:20	1
o-Terphenyl	0.07	S1-	70 - 130	12/02/21 09:56	12/02/21 18:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.7		4.95		mg/Kg			12/02/21 02:22	1

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

Lab Sample ID: 880-8750-37

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U ** *1	0.00198		mg/Kg		11/30/21 11:09	12/03/21 04:23	1
Toluene	<0.00198	U ** *1	0.00198		mg/Kg		11/30/21 11:09	12/03/21 04:23	1
Ethylbenzene	<0.00198	U ** *1	0.00198		mg/Kg		11/30/21 11:09	12/03/21 04:23	1
m-Xylene & p-Xylene	<0.00396	U ** *1	0.00396		mg/Kg		11/30/21 11:09	12/03/21 04:23	1
o-Xylene	<0.00198	U ** *1	0.00198		mg/Kg		11/30/21 11:09	12/03/21 04:23	1
Xylenes, Total	<0.00396	U ** *1	0.00396		mg/Kg		11/30/21 11:09	12/03/21 04:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	11/30/21 11:09	12/03/21 04:23	1
1,4-Difluorobenzene (Surr)	99		70 - 130	11/30/21 11:09	12/03/21 04:23	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-37

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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			12/03/21 10:44	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			12/03/21 10:03	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		12/02/21 09:56	12/02/21 18:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 09:56	12/02/21 18:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/21 09:56	12/02/21 18:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				12/02/21 09:56	12/02/21 18:41	1
o-Terphenyl	107		70 - 130				12/02/21 09:56	12/02/21 18:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		5.01		mg/Kg			12/02/21 02:31	1

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

Lab Sample ID: 880-8750-40

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U ** *1	0.00201		mg/Kg		11/30/21 11:09	12/03/21 04:43	1
Toluene	<0.00201	U ** *1	0.00201		mg/Kg		11/30/21 11:09	12/03/21 04:43	1
Ethylbenzene	<0.00201	U ** *1	0.00201		mg/Kg		11/30/21 11:09	12/03/21 04:43	1
m-Xylene & p-Xylene	<0.00402	U ** *1	0.00402		mg/Kg		11/30/21 11:09	12/03/21 04:43	1
o-Xylene	<0.00201	U ** *1	0.00201		mg/Kg		11/30/21 11:09	12/03/21 04:43	1
Xylenes, Total	<0.00402	U ** *1	0.00402		mg/Kg		11/30/21 11:09	12/03/21 04:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				11/30/21 11:09	12/03/21 04:43	1
1,4-Difluorobenzene (Surr)	104		70 - 130				11/30/21 11:09	12/03/21 04:43	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			12/03/21 10:44	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			12/03/21 10:03	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		12/02/21 09:56	12/02/21 19:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/21 09:56	12/02/21 19:01	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-40

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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		12/02/21 09:56	12/02/21 19:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				12/02/21 09:56	12/02/21 19:01	1
o-Terphenyl	97		70 - 130				12/02/21 09:56	12/02/21 19:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.6		4.97		mg/Kg			12/02/21 02:39	1

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

Lab Sample ID: 880-8750-41

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U ** *	0.00202		mg/Kg		11/30/21 11:09	12/03/21 05:04	1
Toluene	<0.00202	U ** *	0.00202		mg/Kg		11/30/21 11:09	12/03/21 05:04	1
Ethylbenzene	<0.00202	U ** *	0.00202		mg/Kg		11/30/21 11:09	12/03/21 05:04	1
m-Xylene & p-Xylene	<0.00404	U ** *	0.00404		mg/Kg		11/30/21 11:09	12/03/21 05:04	1
o-Xylene	<0.00202	U ** *	0.00202		mg/Kg		11/30/21 11:09	12/03/21 05:04	1
Xylenes, Total	<0.00404	U ** *	0.00404		mg/Kg		11/30/21 11:09	12/03/21 05:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				11/30/21 11:09	12/03/21 05:04	1
1,4-Difluorobenzene (Surr)	102		70 - 130				11/30/21 11:09	12/03/21 05:04	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			12/03/21 10:44	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			12/03/21 10:03	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		12/02/21 09:56	12/02/21 19:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/21 09:56	12/02/21 19:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/21 09:56	12/02/21 19:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/02/21 09:56	12/02/21 19:22	1
o-Terphenyl	107		70 - 130				12/02/21 09:56	12/02/21 19:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.62		5.00		mg/Kg			12/02/21 02:47	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-42

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U ** *1	0.00201		mg/Kg		11/30/21 11:09	12/03/21 05:24	1
Toluene	<0.00201	U ** *1	0.00201		mg/Kg		11/30/21 11:09	12/03/21 05:24	1
Ethylbenzene	<0.00201	U ** *1	0.00201		mg/Kg		11/30/21 11:09	12/03/21 05:24	1
m-Xylene & p-Xylene	<0.00402	U ** *1	0.00402		mg/Kg		11/30/21 11:09	12/03/21 05:24	1
o-Xylene	<0.00201	U ** *1	0.00201		mg/Kg		11/30/21 11:09	12/03/21 05:24	1
Xylenes, Total	<0.00402	U ** *1	0.00402		mg/Kg		11/30/21 11:09	12/03/21 05:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	11/30/21 11:09	12/03/21 05:24	1
1,4-Difluorobenzene (Surr)	86		70 - 130	11/30/21 11:09	12/03/21 05:24	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			12/03/21 10:44	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			12/03/21 10:03	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		12/02/21 09:56	12/02/21 19:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/21 09:56	12/02/21 19:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/21 09:56	12/02/21 19:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	12/02/21 09:56	12/02/21 19:42	1
o-Terphenyl	105		70 - 130	12/02/21 09:56	12/02/21 19:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.04		5.00		mg/Kg			12/02/21 02:56	1

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

Lab Sample ID: 880-8750-43

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U ** *1	0.00202		mg/Kg		11/30/21 11:09	12/03/21 05:45	1
Toluene	<0.00202	U ** *1	0.00202		mg/Kg		11/30/21 11:09	12/03/21 05:45	1
Ethylbenzene	<0.00202	U ** *1	0.00202		mg/Kg		11/30/21 11:09	12/03/21 05:45	1
m-Xylene & p-Xylene	<0.00404	U ** *1	0.00404		mg/Kg		11/30/21 11:09	12/03/21 05:45	1
o-Xylene	<0.00202	U ** *1	0.00202		mg/Kg		11/30/21 11:09	12/03/21 05:45	1
Xylenes, Total	<0.00404	U ** *1	0.00404		mg/Kg		11/30/21 11:09	12/03/21 05:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	11/30/21 11:09	12/03/21 05:45	1
1,4-Difluorobenzene (Surr)	105		70 - 130	11/30/21 11:09	12/03/21 05:45	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-43

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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			12/03/21 10:44	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			12/06/21 08:20	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		12/02/21 10:17	12/02/21 15:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/21 10:17	12/02/21 15:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/21 10:17	12/02/21 15:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				12/02/21 10:17	12/02/21 15:53	1
o-Terphenyl	104		70 - 130				12/02/21 10:17	12/02/21 15:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.27		5.03		mg/Kg			12/02/21 03:04	1

Client Sample ID: S-12 (4-4.5')

Lab Sample ID: 880-8750-44

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U ** *1	0.00200		mg/Kg		11/30/21 11:09	12/03/21 06:05	1
Toluene	<0.00200	U ** *1	0.00200		mg/Kg		11/30/21 11:09	12/03/21 06:05	1
Ethylbenzene	<0.00200	U ** *1	0.00200		mg/Kg		11/30/21 11:09	12/03/21 06:05	1
m-Xylene & p-Xylene	<0.00400	U ** *1	0.00400		mg/Kg		11/30/21 11:09	12/03/21 06:05	1
o-Xylene	<0.00200	U ** *1	0.00200		mg/Kg		11/30/21 11:09	12/03/21 06:05	1
Xylenes, Total	<0.00400	U ** *1	0.00400		mg/Kg		11/30/21 11:09	12/03/21 06:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				11/30/21 11:09	12/03/21 06:05	1
1,4-Difluorobenzene (Surr)	101		70 - 130				11/30/21 11:09	12/03/21 06:05	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			12/03/21 10:44	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			12/06/21 08:20	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		12/02/21 10:17	12/02/21 16:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 10:17	12/02/21 16:36	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

Client Sample ID: S-12 (4-4.5')
Date Collected: 11/29/21 00:00
Date Received: 11/30/21 10:10

Lab Sample ID: 880-8750-44
Matrix: Solid

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		12/02/21 10:17	12/02/21 16:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				12/02/21 10:17	12/02/21 16:36	1
o-Terphenyl	105		70 - 130				12/02/21 10:17	12/02/21 16:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.2		5.04		mg/Kg			12/02/21 03:13	1

Surrogate Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
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)
880-8750-1	S-1 (0-0.5')	117	99
880-8750-1 MS	S-1 (0-0.5')	118	102
880-8750-1 MSD	S-1 (0-0.5')	112	100
880-8750-2	S-2 (0-0.5')	126	100
880-8750-3	S-3 (0-0.5')	150 S1+	67 S1-
880-8750-4	S-4 (0-0.5')	128	104
880-8750-5	S-5 (0-1')	117	102
880-8750-6	S-5 (1-1.5')	112	95
880-8750-7	S-5 (2-2.5')	100	95
880-8750-8	S-5 (3-3.5')	128	102
880-8750-9	S-5 (4-4.5')	123	86
880-8750-10	S-6 (0-1')	115	98
880-8750-11	S-6 (1-1.5')	126	102
880-8750-12	S-6 (2-2.5')	138 S1+	101
880-8750-13	S-6 (3-3.5')	109	94
880-8750-14	S-6 (4-4.5')	128	105
880-8750-15	S-7 (0-1')	128	104
880-8750-16	S-7 (1-1.5')	153 S1+	92
880-8750-17	S-7 (2-2.5')	105	104
880-8750-18	S-7 (3-3.5')	118	96
880-8750-19	S-7 (4-4.5')	121	96
880-8750-20	S-8 (0-1')	137 S1+	87
880-8750-21	S-8 (1-1.5')	132 S1+	105
880-8750-21 MS	S-8 (1-1.5')	43 S1-	68 S1-
880-8750-21 MSD	S-8 (1-1.5')	107	96
880-8750-22	S-8 (2-2.5')	110	108
880-8750-23	S-8 (3-3.5')	125	104
880-8750-24	S-8 (4-4.5')	118	107
880-8750-25	S-9 (0-01')	140 S1+	109
880-8750-26	S-9 (1-1.5')	124	81
880-8750-27	S-9 (2-2.5')	122	86
880-8750-30	S-10 (0-1')	118	105
880-8750-31	S-10 (1-1.5')	113	103
880-8750-32	S-10 (2-2.5')	130	77
880-8750-33	S-10 (3-3.5')	134 S1+	108
880-8750-34	S-10 (4-4.5')	112	106
880-8750-35	S-11 (0-1')	112	76
880-8750-36	S-11 (1-1.5')	117	98
880-8750-37	S-11 (2-2.5')	115	99
880-8750-40	S-12 (0-1')	109	104
880-8750-41	S-12 (1-1.5')	128	102
880-8750-42	S-12 (2-2.5')	120	86
880-8750-43	S-12 (3-3.5')	120	105
880-8750-44	S-12 (4-4.5')	111	101
LCS 880-13455/1-A	Lab Control Sample	105	97
LCS 880-13465/1-A	Lab Control Sample	108	101
LCSD 880-13455/2-A	Lab Control Sample Dup	111	98
MB 880-13455/5-A	Method Blank	123	99
MB 880-13465/5-A	Method Blank	113	101

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
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 880-13654/5-A	Method Blank	103	97
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 (70-130)	DFBZ1 (70-130)
LCSD 880-13465/2-A	Lab Control Sample Dup		
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-8627-A-1-E MS	Matrix Spike	79	72
880-8627-A-1-F MSD	Matrix Spike Duplicate	86	79
880-8750-1	S-1 (0-0.5')	97	94
880-8750-1 MS	S-1 (0-0.5')	90	80
880-8750-1 MSD	S-1 (0-0.5')	90	78
880-8750-2	S-2 (0-0.5')	91	87
880-8750-3	S-3 (0-0.5')	112	104
880-8750-4	S-4 (0-0.5')	99	96
880-8750-5	S-5 (0-1')	101	96
880-8750-6	S-5 (1-1.5')	94	93
880-8750-7	S-5 (2-2.5')	99	95
880-8750-8	S-5 (3-3.5')	118	113
880-8750-9	S-5 (4-4.5')	103	101
880-8750-10	S-6 (0-1')	101	98
880-8750-11	S-6 (1-1.5')	101	100
880-8750-12	S-6 (2-2.5')	104	102
880-8750-13	S-6 (3-3.5')	98	97
880-8750-14	S-6 (4-4.5')	99	97
880-8750-15	S-7 (0-1')	102	98
880-8750-16	S-7 (1-1.5')	98	95
880-8750-17	S-7 (2-2.5')	99	99
880-8750-18	S-7 (3-3.5')	100	99
880-8750-19	S-7 (4-4.5')	101	99
880-8750-20	S-8 (0-1')	96	96
880-8750-21	S-8 (1-1.5')	0.07 S1-	0.1 S1-
880-8750-22	S-8 (2-2.5')	0.01 S1-	0.1 S1-
880-8750-23	S-8 (3-3.5')	0.03 S1-	0.09 S1-
880-8750-24	S-8 (4-4.5')	0.02 S1-	0.1 S1-

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
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)
880-8750-25	S-9 (0-01')	0.02 S1-	0.06 S1-
880-8750-26	S-9 (1-1.5')	0.01 S1-	0.1 S1-
880-8750-27	S-9 (2-2.5')	0.03 S1-	0.05 S1-
880-8750-30	S-10 (0-1')	0.01 S1-	0.1 S1-
880-8750-31	S-10 (1-1.5')	0.01 S1-	0.05 S1-
880-8750-32	S-10 (2-2.5')	0.01 S1-	0.05 S1-
880-8750-33	S-10 (3-3.5')	0.009 S1-	0.08 S1-
880-8750-34	S-10 (4-4.5')	0.02 S1-	0.04 S1-
880-8750-35	S-11 (0-1')	0.02 S1-	0.08 S1-
880-8750-36	S-11 (1-1.5')	0.03 S1-	0.07 S1-
880-8750-37	S-11 (2-2.5')	97	107
880-8750-40	S-12 (0-1')	93	97
880-8750-41	S-12 (1-1.5')	99	107
880-8750-42	S-12 (2-2.5')	98	105
880-8750-43	S-12 (3-3.5')	90	104
880-8750-44	S-12 (4-4.5')	92	105
880-8751-A-1-I MS	Matrix Spike	86	86
880-8751-A-1-J MSD	Matrix Spike Duplicate	74	74
LCS 880-13726/2-A	Lab Control Sample	76	72
LCS 880-13727/2-A	Lab Control Sample	98	98
LCS 880-13728/2-A	Lab Control Sample	124	122
LCSD 880-13726/3-A	Lab Control Sample Dup	82	78
LCSD 880-13727/3-A	Lab Control Sample Dup	98	94
LCSD 880-13728/3-A	Lab Control Sample Dup	99	96
MB 880-13726/1-A	Method Blank	105	106
MB 880-13727/1-A	Method Blank	89	97
MB 880-13728/1-A	Method Blank	111	128

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-13455/5-A

Matrix: Solid

Analysis Batch: 13722

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13455

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 11:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/01/21 11:07	12/02/21 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/21 11:07	12/02/21 11:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/01/21 11:07	12/02/21 11:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	12/01/21 11:07	12/02/21 11:28	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/01/21 11:07	12/02/21 11:28	1

Lab Sample ID: LCS 880-13455/1-A

Matrix: Solid

Analysis Batch: 13722

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13455

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09390		mg/Kg		94	70 - 130
Toluene	0.100	0.09072		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09480		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1869		mg/Kg		93	70 - 130
o-Xylene	0.100	0.08774		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-13455/2-A

Matrix: Solid

Analysis Batch: 13722

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13455

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.09926		mg/Kg		99	70 - 130	6	35
Toluene	0.100	0.1019		mg/Kg		102	70 - 130	12	35
Ethylbenzene	0.100	0.1013		mg/Kg		101	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1977		mg/Kg		99	70 - 130	6	35
o-Xylene	0.100	0.09596		mg/Kg		96	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-8750-1 MS

Matrix: Solid

Analysis Batch: 13722

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

Prep Type: Total/NA

Prep Batch: 13455

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U	0.0996	0.09831		mg/Kg		99	70 - 130
Toluene	<0.00198	U	0.0996	0.1065		mg/Kg		107	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-1 MS

Matrix: Solid

Analysis Batch: 13722

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

Prep Type: Total/NA

Prep Batch: 13455

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00198	U	0.0996	0.1033		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	<0.00397	U	0.199	0.2057		mg/Kg		103	70 - 130
o-Xylene	<0.00198	U	0.0996	0.09925		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-8750-1 MSD

Matrix: Solid

Analysis Batch: 13722

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

Prep Type: Total/NA

Prep Batch: 13455

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.09317		mg/Kg		93	70 - 130	5	35
Toluene	<0.00198	U	0.100	0.09315		mg/Kg		93	70 - 130	13	35
Ethylbenzene	<0.00198	U	0.100	0.09560		mg/Kg		96	70 - 130	8	35
m-Xylene & p-Xylene	<0.00397	U	0.200	0.1894		mg/Kg		95	70 - 130	8	35
o-Xylene	<0.00198	U	0.100	0.09280		mg/Kg		93	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-13465/5-A

Matrix: Solid

Analysis Batch: 13721

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13465

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/30/21 11:09	12/02/21 22:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/30/21 11:09	12/02/21 22:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/30/21 11:09	12/02/21 22:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/30/21 11:09	12/02/21 22:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/30/21 11:09	12/02/21 22:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/30/21 11:09	12/02/21 22:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	11/30/21 11:09	12/02/21 22:14	1
1,4-Difluorobenzene (Surr)	101		70 - 130	11/30/21 11:09	12/02/21 22:14	1

Lab Sample ID: LCS 880-13465/1-A

Matrix: Solid

Analysis Batch: 13721

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13465

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09721		mg/Kg		97	70 - 130
Toluene	0.100	0.09209		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.08885		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.1891		mg/Kg		95	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-13465/1-A

Matrix: Solid

Analysis Batch: 13721

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13465

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	0.100	0.09436		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-13465/2-A

Matrix: Solid

Analysis Batch: 13721

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13465

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1057		mg/Kg					
Toluene	0.100	0.1029		mg/Kg					
Ethylbenzene	0.100	0.09854		mg/Kg					
m-Xylene & p-Xylene	0.200	0.2099		mg/Kg					
o-Xylene	0.100	0.1027		mg/Kg					

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)			
1,4-Difluorobenzene (Surr)			

Lab Sample ID: 880-8750-21 MS

Matrix: Solid

Analysis Batch: 13721

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

Prep Type: Total/NA

Prep Batch: 13465

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U *+ F2 F1 *1	0.100	0.005057	F1	mg/Kg		5	70 - 130
Toluene	<0.00200	U *+ F2 F1 *1	0.100	<0.00201	U F1	mg/Kg		1	70 - 130
Ethylbenzene	<0.00200	U *+ F2 F1 *1	0.100	0.01550	F1	mg/Kg		15	70 - 130
m-Xylene & p-Xylene	<0.00400	U *+ F2 F1 *1	0.201	0.005243	F1	mg/Kg		3	70 - 130
o-Xylene	<0.00200	U *+ F2 F1 *1	0.100	0.01821	F1	mg/Kg		18	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	43	S1-	70 - 130
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130

Lab Sample ID: 880-8750-21 MSD

Matrix: Solid

Analysis Batch: 13721

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

Prep Type: Total/NA

Prep Batch: 13465

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U *+ F2 F1 *1	0.0994	0.08735	F2	mg/Kg		87	70 - 130	178	35
Toluene	<0.00200	U *+ F2 F1 *1	0.0994	0.08399	F2	mg/Kg		84	70 - 130	195	35

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-21 MSD

Matrix: Solid

Analysis Batch: 13721

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

Prep Type: Total/NA

Prep Batch: 13465

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	<0.00200	U ** F2 F1 *1	0.0994	0.07908	F2	mg/Kg		80	70 - 130	134	35
m-Xylene & p-Xylene	<0.00400	U ** F2 F1 *1	0.199	0.1683	F2	mg/Kg		85	70 - 130	188	35
o-Xylene	<0.00200	U ** F2 F1 *1	0.0994	0.08396	F2	mg/Kg		84	70 - 130	129	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	107		70 - 130								
1,4-Difluorobenzene (Surr)	96		70 - 130								

Lab Sample ID: MB 880-13654/5-A

Matrix: Solid

Analysis Batch: 13721

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13654

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/21 08:30	12/02/21 11:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/21 08:30	12/02/21 11:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/21 08:30	12/02/21 11:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/02/21 08:30	12/02/21 11:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/21 08:30	12/02/21 11:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/02/21 08:30	12/02/21 11:22	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				12/02/21 08:30	12/02/21 11:22	1
1,4-Difluorobenzene (Surr)	97		70 - 130				12/02/21 08:30	12/02/21 11:22	1

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

Lab Sample ID: MB 880-13726/1-A

Matrix: Solid

Analysis Batch: 13718

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13726

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		12/02/21 09:40	12/02/21 21:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/21 09:40	12/02/21 21:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/21 09:40	12/02/21 21:20	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				12/02/21 09:40	12/02/21 21:20	1
o-Terphenyl	106		70 - 130				12/02/21 09:40	12/02/21 21:20	1

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-13726/2-A

Matrix: Solid

Analysis Batch: 13718

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13726

Analyte			Spike	LCS	LCS	Unit	D	%Rec.		
			Added	Result	Qualifier			Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	963.0		mg/Kg		96	70 - 130	
Diesel Range Organics (Over C10-C28)			1000	940.1		mg/Kg		94	70 - 130	
Surrogate	LCS	LCS								
	%Recovery	Qualifier	Limits							
1-Chlorooctane	76		70 - 130							
o-Terphenyl	72		70 - 130							

Lab Sample ID: LCSD 880-13726/3-A

Matrix: Solid

Analysis Batch: 13718

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13726

Table 10: LCSD Data											
Analyte	Spike			LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Added	Result	Qualifier	Limits	Limit						
Gasoline Range Organics (GRO)-C6-C10	1000	1038			mg/Kg			104	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1104			mg/Kg			110	70 - 130	16	20
Surrogate	LCSD		LCSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	82		70 - 130								
o-Terphenyl	78		70 - 130								

Lab Sample ID: 880-8750-1 MS

Matrix: Solid

Analysis Batch: 13718

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

Prep Type: Total/NA

Prep Batch: 13726

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	920.1		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1040		mg/Kg		104	70 - 130		

Lab Sample ID: 880-8750-1 MSD

Matrix: Solid

Analysis Batch: 13718

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

Prep Type: Total/NA

Prep Batch: 13726

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	966.3		mg/Kg		95	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1029		mg/Kg		103	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	90		70 - 130								

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-1 MSD

Matrix: Solid

Analysis Batch: 13718

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

Prep Type: Total/NA

Prep Batch: 13726

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	78		70 - 130

Lab Sample ID: MB 880-13727/1-A

Matrix: Solid

Analysis Batch: 13713

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13727

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/02/21 09:56	12/02/21 11:02	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/21 09:56	12/02/21 11:02	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/21 09:56	12/02/21 11:02	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	89		70 - 130				12/02/21 09:56	12/02/21 11:02	1	
<i>o</i> -Terphenyl	97		70 - 130				12/02/21 09:56	12/02/21 11:02	1	

Lab Sample ID: LCS 880-13727/2-A

Matrix: Solid

Analysis Batch: 13713

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13727

		Spike	LCS	LCS				%Rec.		
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10		1000	1099		mg/Kg		110	70 - 130		
Diesel Range Organics (Over C10-C28)		1000	1134		mg/Kg		113	70 - 130		
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	98		70 - 130							
<i>o</i> -Terphenyl	98		70 - 130							

Lab Sample ID: LCSD 880-13727/3-A

Matrix: Solid

Analysis Batch: 13713

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13727

			Spike	LCSD	LCSD				%Rec.	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1031		mg/Kg		103	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	1068		mg/Kg		107	70 - 130	6	20
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	98		70 - 130								
o-Terphenyl	94		70 - 130								

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8627-A-1-E MS

Matrix: Solid

Analysis Batch: 13713

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 13727

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	900.7		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	915.3		mg/Kg		92	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	79		70 - 130						
o-Terphenyl	72		70 - 130						

Lab Sample ID: 880-8627-A-1-F MSD

Matrix: Solid

Analysis Batch: 13713

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 13727

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	1061		mg/Kg		106	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1020		mg/Kg		102	70 - 130	11	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	86		70 - 130								
o-Terphenyl	79		70 - 130								

Lab Sample ID: MB 880-13728/1-A

Matrix: Solid

Analysis Batch: 13715

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13728

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		12/02/21 10:17	12/02/21 11:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/21 10:17	12/02/21 11:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/21 10:17	12/02/21 11:02	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				12/02/21 10:17	12/02/21 11:02	1
o-Terphenyl	128		70 - 130				12/02/21 10:17	12/02/21 11:02	1

Lab Sample ID: LCS 880-13728/2-A

Matrix: Solid

Analysis Batch: 13715

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13728

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	864.2		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	859.9		mg/Kg		86	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-13728/2-A

Matrix: Solid

Analysis Batch: 13715

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13728

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	122		70 - 130

Lab Sample ID: LCSD 880-13728/3-A

Matrix: Solid

Analysis Batch: 13715

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13728

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	962.9		mg/Kg		96	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	950.8		mg/Kg		95	70 - 130	10	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 880-8751-A-1-I MS

Matrix: Solid

Analysis Batch: 13715

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 13728

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 F2	997	1077		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	944.3		mg/Kg		93	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	86		70 - 130

Lab Sample ID: 880-8751-A-1-J MSD

Matrix: Solid

Analysis Batch: 13715

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 13728

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 F2	999	864.9	F2	mg/Kg		84	70 - 130	22	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	831.4		mg/Kg		81	70 - 130	13	20

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

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-13496/1-A

Matrix: Solid

Analysis Batch: 13725

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			12/01/21 23:02	1

Lab Sample ID: LCS 880-13496/2-A

Matrix: Solid

Analysis Batch: 13725

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	257.7		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-13496/3-A

Matrix: Solid

Analysis Batch: 13725

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	257.9		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-8750-21 MS

Matrix: Solid

Analysis Batch: 13725

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	12.2	F1	249	294.9	F1	mg/Kg		114	90 - 110

Lab Sample ID: 880-8750-21 MSD

Matrix: Solid

Analysis Batch: 13725

Client Sample ID: S-8 (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	12.2	F1	249	281.3		mg/Kg		108	90 - 110	5	20

Lab Sample ID: 880-8750-33 MS

Matrix: Solid

Analysis Batch: 13725

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	9.24		248	277.9		mg/Kg		108	90 - 110

Lab Sample ID: 880-8750-33 MSD

Matrix: Solid

Analysis Batch: 13725

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	9.24		248	273.2		mg/Kg		106	90 - 110	2	20

Lab Sample ID: MB 880-13495/1-A

Matrix: Solid

Analysis Batch: 13729

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			12/02/21 09:47	1

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-13495/2-A

Matrix: Solid

Analysis Batch: 13729

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	241.2		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-13495/3-A

Matrix: Solid

Analysis Batch: 13729

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	242.2		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-8750-1 MS

Matrix: Solid

Analysis Batch: 13729

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	5.63	F1	249	288.7	F1	mg/Kg		114	90 - 110

Lab Sample ID: 880-8750-1 MSD

Matrix: Solid

Analysis Batch: 13729

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	5.63	F1	249	274.9		mg/Kg		108	90 - 110	5	20

Lab Sample ID: 880-8750-11 MS

Matrix: Solid

Analysis Batch: 13729

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2330	F1	1240	3770	F1	mg/Kg		116	90 - 110

Lab Sample ID: 880-8750-11 MSD

Matrix: Solid

Analysis Batch: 13729

Client Sample ID: S-6 (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	2330	F1	1240	3759	F1	mg/Kg		116	90 - 110	0	20

QC Association Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 13455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-1	S-1 (0-0.5')	Total/NA	Solid	5035	
880-8750-2	S-2 (0-0.5')	Total/NA	Solid	5035	
880-8750-3	S-3 (0-0.5')	Total/NA	Solid	5035	
880-8750-4	S-4 (0-0.5')	Total/NA	Solid	5035	
880-8750-5	S-5 (0-1')	Total/NA	Solid	5035	
880-8750-6	S-5 (1-1.5')	Total/NA	Solid	5035	
880-8750-7	S-5 (2-2.5')	Total/NA	Solid	5035	
880-8750-8	S-5 (3-3.5')	Total/NA	Solid	5035	
880-8750-9	S-5 (4-4.5')	Total/NA	Solid	5035	
880-8750-10	S-6 (0-1')	Total/NA	Solid	5035	
880-8750-11	S-6 (1-1.5')	Total/NA	Solid	5035	
880-8750-12	S-6 (2-2.5')	Total/NA	Solid	5035	
880-8750-13	S-6 (3-3.5')	Total/NA	Solid	5035	
880-8750-14	S-6 (4-4.5')	Total/NA	Solid	5035	
880-8750-15	S-7 (0-1')	Total/NA	Solid	5035	
880-8750-16	S-7 (1-1.5')	Total/NA	Solid	5035	
880-8750-17	S-7 (2-2.5')	Total/NA	Solid	5035	
880-8750-18	S-7 (3-3.5')	Total/NA	Solid	5035	
880-8750-19	S-7 (4-4.5')	Total/NA	Solid	5035	
880-8750-20	S-8 (0-1')	Total/NA	Solid	5035	
MB 880-13455/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13455/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13455/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-8750-1 MS	S-1 (0-0.5')	Total/NA	Solid	5035	
880-8750-1 MSD	S-1 (0-0.5')	Total/NA	Solid	5035	

Prep Batch: 13465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-21	S-8 (1-1.5')	Total/NA	Solid	5035	
880-8750-22	S-8 (2-2.5')	Total/NA	Solid	5035	
880-8750-23	S-8 (3-3.5')	Total/NA	Solid	5035	
880-8750-24	S-8 (4-4.5')	Total/NA	Solid	5035	
880-8750-25	S-9 (0-01')	Total/NA	Solid	5035	
880-8750-26	S-9 (1-1.5')	Total/NA	Solid	5035	
880-8750-27	S-9 (2-2.5')	Total/NA	Solid	5035	
880-8750-30	S-10 (0-1')	Total/NA	Solid	5035	
880-8750-31	S-10 (1-1.5')	Total/NA	Solid	5035	
880-8750-32	S-10 (2-2.5')	Total/NA	Solid	5035	
880-8750-33	S-10 (3-3.5')	Total/NA	Solid	5035	
880-8750-34	S-10 (4-4.5')	Total/NA	Solid	5035	
880-8750-35	S-11 (0-1')	Total/NA	Solid	5035	
880-8750-36	S-11 (1-1.5')	Total/NA	Solid	5035	
880-8750-37	S-11 (2-2.5')	Total/NA	Solid	5035	
880-8750-40	S-12 (0-1')	Total/NA	Solid	5035	
880-8750-41	S-12 (1-1.5')	Total/NA	Solid	5035	
880-8750-42	S-12 (2-2.5')	Total/NA	Solid	5035	
880-8750-43	S-12 (3-3.5')	Total/NA	Solid	5035	
880-8750-44	S-12 (4-4.5')	Total/NA	Solid	5035	
MB 880-13465/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13465/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13465/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

GC VOA (Continued)

Prep Batch: 13465 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-21 MS	S-8 (1-1.5')	Total/NA	Solid	5035	
880-8750-21 MSD	S-8 (1-1.5')	Total/NA	Solid	5035	

Prep Batch: 13654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-13654/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 13721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-21	S-8 (1-1.5')	Total/NA	Solid	8021B	13465
880-8750-22	S-8 (2-2.5')	Total/NA	Solid	8021B	13465
880-8750-23	S-8 (3-3.5')	Total/NA	Solid	8021B	13465
880-8750-24	S-8 (4-4.5')	Total/NA	Solid	8021B	13465
880-8750-25	S-9 (0-0.1')	Total/NA	Solid	8021B	13465
880-8750-26	S-9 (1-1.5')	Total/NA	Solid	8021B	13465
880-8750-27	S-9 (2-2.5')	Total/NA	Solid	8021B	13465
880-8750-30	S-10 (0-1')	Total/NA	Solid	8021B	13465
880-8750-31	S-10 (1-1.5')	Total/NA	Solid	8021B	13465
880-8750-32	S-10 (2-2.5')	Total/NA	Solid	8021B	13465
880-8750-33	S-10 (3-3.5')	Total/NA	Solid	8021B	13465
880-8750-34	S-10 (4-4.5')	Total/NA	Solid	8021B	13465
880-8750-35	S-11 (0-1')	Total/NA	Solid	8021B	13465
880-8750-36	S-11 (1-1.5')	Total/NA	Solid	8021B	13465
880-8750-37	S-11 (2-2.5')	Total/NA	Solid	8021B	13465
880-8750-40	S-12 (0-1')	Total/NA	Solid	8021B	13465
880-8750-41	S-12 (1-1.5')	Total/NA	Solid	8021B	13465
880-8750-42	S-12 (2-2.5')	Total/NA	Solid	8021B	13465
880-8750-43	S-12 (3-3.5')	Total/NA	Solid	8021B	13465
880-8750-44	S-12 (4-4.5')	Total/NA	Solid	8021B	13465
MB 880-13465/5-A	Method Blank	Total/NA	Solid	8021B	13465
MB 880-13654/5-A	Method Blank	Total/NA	Solid	8021B	13654
LCS 880-13465/1-A	Lab Control Sample	Total/NA	Solid	8021B	13465
LCSD 880-13465/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13465
880-8750-21 MS	S-8 (1-1.5')	Total/NA	Solid	8021B	13465
880-8750-21 MSD	S-8 (1-1.5')	Total/NA	Solid	8021B	13465

Analysis Batch: 13722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-1	S-1 (0-0.5')	Total/NA	Solid	8021B	13455
880-8750-2	S-2 (0-0.5')	Total/NA	Solid	8021B	13455
880-8750-3	S-3 (0-0.5')	Total/NA	Solid	8021B	13455
880-8750-4	S-4 (0-0.5')	Total/NA	Solid	8021B	13455
880-8750-5	S-5 (0-1')	Total/NA	Solid	8021B	13455
880-8750-6	S-5 (1-1.5')	Total/NA	Solid	8021B	13455
880-8750-7	S-5 (2-2.5')	Total/NA	Solid	8021B	13455
880-8750-8	S-5 (3-3.5')	Total/NA	Solid	8021B	13455
880-8750-9	S-5 (4-4.5')	Total/NA	Solid	8021B	13455
880-8750-10	S-6 (0-1')	Total/NA	Solid	8021B	13455
880-8750-11	S-6 (1-1.5')	Total/NA	Solid	8021B	13455
880-8750-12	S-6 (2-2.5')	Total/NA	Solid	8021B	13455
880-8750-13	S-6 (3-3.5')	Total/NA	Solid	8021B	13455

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 13722 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-14	S-6 (4-4.5')	Total/NA	Solid	8021B	13455
880-8750-15	S-7 (0-1')	Total/NA	Solid	8021B	13455
880-8750-16	S-7 (1-1.5')	Total/NA	Solid	8021B	13455
880-8750-17	S-7 (2-2.5')	Total/NA	Solid	8021B	13455
880-8750-18	S-7 (3-3.5')	Total/NA	Solid	8021B	13455
880-8750-19	S-7 (4-4.5')	Total/NA	Solid	8021B	13455
880-8750-20	S-8 (0-1')	Total/NA	Solid	8021B	13455
MB 880-13455/5-A	Method Blank	Total/NA	Solid	8021B	13455
LCS 880-13455/1-A	Lab Control Sample	Total/NA	Solid	8021B	13455
LCSD 880-13455/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13455
880-8750-1 MS	S-1 (0-0.5')	Total/NA	Solid	8021B	13455
880-8750-1 MSD	S-1 (0-0.5')	Total/NA	Solid	8021B	13455

Analysis Batch: 13792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-1	S-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-8750-2	S-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-8750-3	S-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-8750-4	S-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-8750-5	S-5 (0-1')	Total/NA	Solid	Total BTEX	
880-8750-6	S-5 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8750-7	S-5 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8750-8	S-5 (3-3.5')	Total/NA	Solid	Total BTEX	
880-8750-9	S-5 (4-4.5')	Total/NA	Solid	Total BTEX	

Analysis Batch: 13868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-10	S-6 (0-1')	Total/NA	Solid	Total BTEX	
880-8750-11	S-6 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8750-12	S-6 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8750-13	S-6 (3-3.5')	Total/NA	Solid	Total BTEX	
880-8750-14	S-6 (4-4.5')	Total/NA	Solid	Total BTEX	
880-8750-15	S-7 (0-1')	Total/NA	Solid	Total BTEX	
880-8750-16	S-7 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8750-17	S-7 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8750-18	S-7 (3-3.5')	Total/NA	Solid	Total BTEX	
880-8750-19	S-7 (4-4.5')	Total/NA	Solid	Total BTEX	
880-8750-20	S-8 (0-1')	Total/NA	Solid	Total BTEX	
880-8750-21	S-8 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8750-22	S-8 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8750-23	S-8 (3-3.5')	Total/NA	Solid	Total BTEX	
880-8750-24	S-8 (4-4.5')	Total/NA	Solid	Total BTEX	
880-8750-25	S-9 (0-01')	Total/NA	Solid	Total BTEX	
880-8750-26	S-9 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8750-27	S-9 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8750-30	S-10 (0-1')	Total/NA	Solid	Total BTEX	
880-8750-31	S-10 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8750-32	S-10 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8750-33	S-10 (3-3.5')	Total/NA	Solid	Total BTEX	
880-8750-34	S-10 (4-4.5')	Total/NA	Solid	Total BTEX	
880-8750-35	S-11 (0-1')	Total/NA	Solid	Total BTEX	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 13868 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-36	S-11 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8750-37	S-11 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8750-40	S-12 (0-1')	Total/NA	Solid	Total BTEX	
880-8750-41	S-12 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8750-42	S-12 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8750-43	S-12 (3-3.5')	Total/NA	Solid	Total BTEX	
880-8750-44	S-12 (4-4.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 13713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-21	S-8 (1-1.5')	Total/NA	Solid	8015B NM	13727
880-8750-22	S-8 (2-2.5')	Total/NA	Solid	8015B NM	13727
880-8750-23	S-8 (3-3.5')	Total/NA	Solid	8015B NM	13727
880-8750-24	S-8 (4-4.5')	Total/NA	Solid	8015B NM	13727
880-8750-25	S-9 (0-01')	Total/NA	Solid	8015B NM	13727
880-8750-26	S-9 (1-1.5')	Total/NA	Solid	8015B NM	13727
880-8750-27	S-9 (2-2.5')	Total/NA	Solid	8015B NM	13727
880-8750-30	S-10 (0-1')	Total/NA	Solid	8015B NM	13727
880-8750-31	S-10 (1-1.5')	Total/NA	Solid	8015B NM	13727
880-8750-32	S-10 (2-2.5')	Total/NA	Solid	8015B NM	13727
880-8750-33	S-10 (3-3.5')	Total/NA	Solid	8015B NM	13727
880-8750-34	S-10 (4-4.5')	Total/NA	Solid	8015B NM	13727
880-8750-35	S-11 (0-1')	Total/NA	Solid	8015B NM	13727
880-8750-36	S-11 (1-1.5')	Total/NA	Solid	8015B NM	13727
880-8750-37	S-11 (2-2.5')	Total/NA	Solid	8015B NM	13727
880-8750-40	S-12 (0-1')	Total/NA	Solid	8015B NM	13727
880-8750-41	S-12 (1-1.5')	Total/NA	Solid	8015B NM	13727
880-8750-42	S-12 (2-2.5')	Total/NA	Solid	8015B NM	13727
MB 880-13727/1-A	Method Blank	Total/NA	Solid	8015B NM	13727
LCS 880-13727/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	13727
LCSD 880-13727/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	13727
880-8627-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	13727
880-8627-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	13727

Analysis Batch: 13715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-43	S-12 (3-3.5')	Total/NA	Solid	8015B NM	13728
880-8750-44	S-12 (4-4.5')	Total/NA	Solid	8015B NM	13728
MB 880-13728/1-A	Method Blank	Total/NA	Solid	8015B NM	13728
LCS 880-13728/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	13728
LCSD 880-13728/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	13728
880-8751-A-1-I MS	Matrix Spike	Total/NA	Solid	8015B NM	13728
880-8751-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	13728

Analysis Batch: 13718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-1	S-1 (0-0.5')	Total/NA	Solid	8015B NM	13726
880-8750-2	S-2 (0-0.5')	Total/NA	Solid	8015B NM	13726
880-8750-3	S-3 (0-0.5')	Total/NA	Solid	8015B NM	13726

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 13718 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-4	S-4 (0-0.5')	Total/NA	Solid	8015B NM	13726
880-8750-5	S-5 (0-1')	Total/NA	Solid	8015B NM	13726
880-8750-6	S-5 (1-1.5')	Total/NA	Solid	8015B NM	13726
880-8750-7	S-5 (2-2.5')	Total/NA	Solid	8015B NM	13726
880-8750-8	S-5 (3-3.5')	Total/NA	Solid	8015B NM	13726
880-8750-9	S-5 (4-4.5')	Total/NA	Solid	8015B NM	13726
880-8750-10	S-6 (0-1')	Total/NA	Solid	8015B NM	13726
880-8750-11	S-6 (1-1.5')	Total/NA	Solid	8015B NM	13726
880-8750-12	S-6 (2-2.5')	Total/NA	Solid	8015B NM	13726
880-8750-13	S-6 (3-3.5')	Total/NA	Solid	8015B NM	13726
880-8750-14	S-6 (4-4.5')	Total/NA	Solid	8015B NM	13726
880-8750-15	S-7 (0-1')	Total/NA	Solid	8015B NM	13726
880-8750-16	S-7 (1-1.5')	Total/NA	Solid	8015B NM	13726
880-8750-17	S-7 (2-2.5')	Total/NA	Solid	8015B NM	13726
880-8750-18	S-7 (3-3.5')	Total/NA	Solid	8015B NM	13726
880-8750-19	S-7 (4-4.5')	Total/NA	Solid	8015B NM	13726
880-8750-20	S-8 (0-1')	Total/NA	Solid	8015B NM	13726
MB 880-13726/1-A	Method Blank	Total/NA	Solid	8015B NM	13726
LCS 880-13726/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	13726
LCSD 880-13726/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	13726
880-8750-1 MS	S-1 (0-0.5')	Total/NA	Solid	8015B NM	13726
880-8750-1 MSD	S-1 (0-0.5')	Total/NA	Solid	8015B NM	13726

Prep Batch: 13726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-1	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-8750-2	S-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-8750-3	S-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-8750-4	S-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-8750-5	S-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-8750-6	S-5 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8750-7	S-5 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8750-8	S-5 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8750-9	S-5 (4-4.5')	Total/NA	Solid	8015NM Prep	
880-8750-10	S-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-8750-11	S-6 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8750-12	S-6 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8750-13	S-6 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8750-14	S-6 (4-4.5')	Total/NA	Solid	8015NM Prep	
880-8750-15	S-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-8750-16	S-7 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8750-17	S-7 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8750-18	S-7 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8750-19	S-7 (4-4.5')	Total/NA	Solid	8015NM Prep	
880-8750-20	S-8 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-13726/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-13726/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-13726/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-8750-1 MS	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-8750-1 MSD	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

GC Semi VOA

Prep Batch: 13727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-21	S-8 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8750-22	S-8 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8750-23	S-8 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8750-24	S-8 (4-4.5')	Total/NA	Solid	8015NM Prep	
880-8750-25	S-9 (0-0.1')	Total/NA	Solid	8015NM Prep	
880-8750-26	S-9 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8750-27	S-9 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8750-30	S-10 (0-1')	Total/NA	Solid	8015NM Prep	
880-8750-31	S-10 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8750-32	S-10 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8750-33	S-10 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8750-34	S-10 (4-4.5')	Total/NA	Solid	8015NM Prep	
880-8750-35	S-11 (0-1')	Total/NA	Solid	8015NM Prep	
880-8750-36	S-11 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8750-37	S-11 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8750-40	S-12 (0-1')	Total/NA	Solid	8015NM Prep	
880-8750-41	S-12 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8750-42	S-12 (2-2.5')	Total/NA	Solid	8015NM Prep	
MB 880-13727/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-13727/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-13727/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-8627-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-8627-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 13728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-43	S-12 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8750-44	S-12 (4-4.5')	Total/NA	Solid	8015NM Prep	
MB 880-13728/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-13728/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-13728/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-8751-A-1-I MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-8751-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 13855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-1	S-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-8750-2	S-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-8750-3	S-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-8750-4	S-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-8750-5	S-5 (0-1')	Total/NA	Solid	8015 NM	
880-8750-6	S-5 (1-1.5')	Total/NA	Solid	8015 NM	
880-8750-7	S-5 (2-2.5')	Total/NA	Solid	8015 NM	
880-8750-8	S-5 (3-3.5')	Total/NA	Solid	8015 NM	
880-8750-9	S-5 (4-4.5')	Total/NA	Solid	8015 NM	
880-8750-10	S-6 (0-1')	Total/NA	Solid	8015 NM	
880-8750-11	S-6 (1-1.5')	Total/NA	Solid	8015 NM	
880-8750-12	S-6 (2-2.5')	Total/NA	Solid	8015 NM	
880-8750-13	S-6 (3-3.5')	Total/NA	Solid	8015 NM	
880-8750-14	S-6 (4-4.5')	Total/NA	Solid	8015 NM	
880-8750-15	S-7 (0-1')	Total/NA	Solid	8015 NM	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 13855 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-16	S-7 (1-1.5')	Total/NA	Solid	8015 NM	
880-8750-17	S-7 (2-2.5')	Total/NA	Solid	8015 NM	
880-8750-18	S-7 (3-3.5')	Total/NA	Solid	8015 NM	
880-8750-19	S-7 (4-4.5')	Total/NA	Solid	8015 NM	
880-8750-20	S-8 (0-1')	Total/NA	Solid	8015 NM	
880-8750-21	S-8 (1-1.5')	Total/NA	Solid	8015 NM	
880-8750-22	S-8 (2-2.5')	Total/NA	Solid	8015 NM	
880-8750-23	S-8 (3-3.5')	Total/NA	Solid	8015 NM	
880-8750-24	S-8 (4-4.5')	Total/NA	Solid	8015 NM	
880-8750-25	S-9 (0-01')	Total/NA	Solid	8015 NM	
880-8750-26	S-9 (1-1.5')	Total/NA	Solid	8015 NM	
880-8750-27	S-9 (2-2.5')	Total/NA	Solid	8015 NM	
880-8750-30	S-10 (0-1')	Total/NA	Solid	8015 NM	
880-8750-31	S-10 (1-1.5')	Total/NA	Solid	8015 NM	
880-8750-32	S-10 (2-2.5')	Total/NA	Solid	8015 NM	
880-8750-33	S-10 (3-3.5')	Total/NA	Solid	8015 NM	
880-8750-34	S-10 (4-4.5')	Total/NA	Solid	8015 NM	
880-8750-35	S-11 (0-1')	Total/NA	Solid	8015 NM	
880-8750-36	S-11 (1-1.5')	Total/NA	Solid	8015 NM	
880-8750-37	S-11 (2-2.5')	Total/NA	Solid	8015 NM	
880-8750-40	S-12 (0-1')	Total/NA	Solid	8015 NM	
880-8750-41	S-12 (1-1.5')	Total/NA	Solid	8015 NM	
880-8750-42	S-12 (2-2.5')	Total/NA	Solid	8015 NM	

Analysis Batch: 13874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-43	S-12 (3-3.5')	Total/NA	Solid	8015 NM	
880-8750-44	S-12 (4-4.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 13495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-1	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-8750-2	S-2 (0-0.5')	Soluble	Solid	DI Leach	
880-8750-3	S-3 (0-0.5')	Soluble	Solid	DI Leach	
880-8750-4	S-4 (0-0.5')	Soluble	Solid	DI Leach	
880-8750-5	S-5 (0-1')	Soluble	Solid	DI Leach	
880-8750-6	S-5 (1-1.5')	Soluble	Solid	DI Leach	
880-8750-7	S-5 (2-2.5')	Soluble	Solid	DI Leach	
880-8750-8	S-5 (3-3.5')	Soluble	Solid	DI Leach	
880-8750-9	S-5 (4-4.5')	Soluble	Solid	DI Leach	
880-8750-10	S-6 (0-1')	Soluble	Solid	DI Leach	
880-8750-11	S-6 (1-1.5')	Soluble	Solid	DI Leach	
880-8750-12	S-6 (2-2.5')	Soluble	Solid	DI Leach	
880-8750-13	S-6 (3-3.5')	Soluble	Solid	DI Leach	
880-8750-14	S-6 (4-4.5')	Soluble	Solid	DI Leach	
880-8750-15	S-7 (0-1')	Soluble	Solid	DI Leach	
880-8750-16	S-7 (1-1.5')	Soluble	Solid	DI Leach	
880-8750-17	S-7 (2-2.5')	Soluble	Solid	DI Leach	
880-8750-18	S-7 (3-3.5')	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 13495 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-19	S-7 (4-4.5')	Soluble	Solid	DI Leach	
880-8750-20	S-8 (0-1')	Soluble	Solid	DI Leach	
MB 880-13495/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-13495/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-13495/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-8750-1 MS	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-8750-1 MSD	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-8750-11 MS	S-6 (1-1.5')	Soluble	Solid	DI Leach	
880-8750-11 MSD	S-6 (1-1.5')	Soluble	Solid	DI Leach	

Leach Batch: 13496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-21	S-8 (1-1.5')	Soluble	Solid	DI Leach	
880-8750-22	S-8 (2-2.5')	Soluble	Solid	DI Leach	
880-8750-23	S-8 (3-3.5')	Soluble	Solid	DI Leach	
880-8750-24	S-8 (4-4.5')	Soluble	Solid	DI Leach	
880-8750-25	S-9 (0-01')	Soluble	Solid	DI Leach	
880-8750-26	S-9 (1-1.5')	Soluble	Solid	DI Leach	
880-8750-27	S-9 (2-2.5')	Soluble	Solid	DI Leach	
880-8750-30	S-10 (0-1')	Soluble	Solid	DI Leach	
880-8750-31	S-10 (1-1.5')	Soluble	Solid	DI Leach	
880-8750-32	S-10 (2-2.5')	Soluble	Solid	DI Leach	
880-8750-33	S-10 (3-3.5')	Soluble	Solid	DI Leach	
880-8750-34	S-10 (4-4.5')	Soluble	Solid	DI Leach	
880-8750-35	S-11 (0-1')	Soluble	Solid	DI Leach	
880-8750-36	S-11 (1-1.5')	Soluble	Solid	DI Leach	
880-8750-37	S-11 (2-2.5')	Soluble	Solid	DI Leach	
880-8750-40	S-12 (0-1')	Soluble	Solid	DI Leach	
880-8750-41	S-12 (1-1.5')	Soluble	Solid	DI Leach	
880-8750-42	S-12 (2-2.5')	Soluble	Solid	DI Leach	
880-8750-43	S-12 (3-3.5')	Soluble	Solid	DI Leach	
880-8750-44	S-12 (4-4.5')	Soluble	Solid	DI Leach	
MB 880-13496/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-13496/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-13496/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-8750-21 MS	S-8 (1-1.5')	Soluble	Solid	DI Leach	
880-8750-21 MSD	S-8 (1-1.5')	Soluble	Solid	DI Leach	
880-8750-33 MS	S-10 (3-3.5')	Soluble	Solid	DI Leach	
880-8750-33 MSD	S-10 (3-3.5')	Soluble	Solid	DI Leach	

Analysis Batch: 13725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-21	S-8 (1-1.5')	Soluble	Solid	300.0	13496
880-8750-22	S-8 (2-2.5')	Soluble	Solid	300.0	13496
880-8750-23	S-8 (3-3.5')	Soluble	Solid	300.0	13496
880-8750-24	S-8 (4-4.5')	Soluble	Solid	300.0	13496
880-8750-25	S-9 (0-01')	Soluble	Solid	300.0	13496
880-8750-26	S-9 (1-1.5')	Soluble	Solid	300.0	13496
880-8750-27	S-9 (2-2.5')	Soluble	Solid	300.0	13496
880-8750-30	S-10 (0-1')	Soluble	Solid	300.0	13496
880-8750-31	S-10 (1-1.5')	Soluble	Solid	300.0	13496

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 13725 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-32	S-10 (2-2.5')	Soluble	Solid	300.0	13496
880-8750-33	S-10 (3-3.5')	Soluble	Solid	300.0	13496
880-8750-34	S-10 (4-4.5')	Soluble	Solid	300.0	13496
880-8750-35	S-11 (0-1')	Soluble	Solid	300.0	13496
880-8750-36	S-11 (1-1.5')	Soluble	Solid	300.0	13496
880-8750-37	S-11 (2-2.5')	Soluble	Solid	300.0	13496
880-8750-40	S-12 (0-1')	Soluble	Solid	300.0	13496
880-8750-41	S-12 (1-1.5')	Soluble	Solid	300.0	13496
880-8750-42	S-12 (2-2.5')	Soluble	Solid	300.0	13496
880-8750-43	S-12 (3-3.5')	Soluble	Solid	300.0	13496
880-8750-44	S-12 (4-4.5')	Soluble	Solid	300.0	13496
MB 880-13496/1-A	Method Blank	Soluble	Solid	300.0	13496
LCS 880-13496/2-A	Lab Control Sample	Soluble	Solid	300.0	13496
LCSD 880-13496/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	13496
880-8750-21 MS	S-8 (1-1.5')	Soluble	Solid	300.0	13496
880-8750-21 MSD	S-8 (1-1.5')	Soluble	Solid	300.0	13496
880-8750-33 MS	S-10 (3-3.5')	Soluble	Solid	300.0	13496
880-8750-33 MSD	S-10 (3-3.5')	Soluble	Solid	300.0	13496

Analysis Batch: 13729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8750-1	S-1 (0-0.5')	Soluble	Solid	300.0	13495
880-8750-2	S-2 (0-0.5')	Soluble	Solid	300.0	13495
880-8750-3	S-3 (0-0.5')	Soluble	Solid	300.0	13495
880-8750-4	S-4 (0-0.5')	Soluble	Solid	300.0	13495
880-8750-5	S-5 (0-1')	Soluble	Solid	300.0	13495
880-8750-6	S-5 (1-1.5')	Soluble	Solid	300.0	13495
880-8750-7	S-5 (2-2.5')	Soluble	Solid	300.0	13495
880-8750-8	S-5 (3-3.5')	Soluble	Solid	300.0	13495
880-8750-9	S-5 (4-4.5')	Soluble	Solid	300.0	13495
880-8750-10	S-6 (0-1')	Soluble	Solid	300.0	13495
880-8750-11	S-6 (1-1.5')	Soluble	Solid	300.0	13495
880-8750-12	S-6 (2-2.5')	Soluble	Solid	300.0	13495
880-8750-13	S-6 (3-3.5')	Soluble	Solid	300.0	13495
880-8750-14	S-6 (4-4.5')	Soluble	Solid	300.0	13495
880-8750-15	S-7 (0-1')	Soluble	Solid	300.0	13495
880-8750-16	S-7 (1-1.5')	Soluble	Solid	300.0	13495
880-8750-17	S-7 (2-2.5')	Soluble	Solid	300.0	13495
880-8750-18	S-7 (3-3.5')	Soluble	Solid	300.0	13495
880-8750-19	S-7 (4-4.5')	Soluble	Solid	300.0	13495
880-8750-20	S-8 (0-1')	Soluble	Solid	300.0	13495
MB 880-13495/1-A	Method Blank	Soluble	Solid	300.0	13495
LCS 880-13495/2-A	Lab Control Sample	Soluble	Solid	300.0	13495
LCSD 880-13495/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	13495
880-8750-1 MS	S-1 (0-0.5')	Soluble	Solid	300.0	13495
880-8750-1 MSD	S-1 (0-0.5')	Soluble	Solid	300.0	13495
880-8750-11 MS	S-6 (1-1.5')	Soluble	Solid	300.0	13495
880-8750-11 MSD	S-6 (1-1.5')	Soluble	Solid	300.0	13495

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-1

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13455	12/01/21 11:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/02/21 11:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13792	12/02/21 16:06	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13726	12/02/21 09:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13718	12/02/21 22:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	13495	11/30/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		1			13729	12/02/21 10:12	CH	XEN MID

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

Lab Sample ID: 880-8750-2

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13455	12/01/21 11:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/02/21 12:17	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13792	12/02/21 16:06	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13726	12/02/21 09:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13718	12/02/21 23:27	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	13495	11/30/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		1			13729	12/02/21 10:37	CH	XEN MID

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

Lab Sample ID: 880-8750-3

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13455	12/01/21 11:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/02/21 12:38	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13792	12/02/21 16:06	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13726	12/02/21 09:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13718	12/02/21 23:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	13495	11/30/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		1			13729	12/02/21 10:45	CH	XEN MID

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

Lab Sample ID: 880-8750-4

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13455	12/01/21 11:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/02/21 12:58	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13792	12/02/21 16:06	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-4

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13726	12/02/21 09:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13718	12/03/21 00:10	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	13495	11/30/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		1			13729	12/02/21 10:54	CH	XEN MID

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

Lab Sample ID: 880-8750-5

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13455	12/01/21 11:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/02/21 13:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13792	12/02/21 16:06	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13726	12/02/21 09:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13718	12/03/21 00:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	13495	11/30/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		1			13729	12/02/21 11:02	CH	XEN MID

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

Lab Sample ID: 880-8750-6

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13455	12/01/21 11:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/02/21 13:39	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13792	12/02/21 16:06	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13726	12/02/21 09:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13718	12/03/21 00:52	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	13495	11/30/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		1			13729	12/02/21 11:27	CH	XEN MID

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

Lab Sample ID: 880-8750-7

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13455	12/01/21 11:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/02/21 13:59	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13792	12/02/21 16:06	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13726	12/02/21 09:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13718	12/03/21 01:13	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Date Collected: 11/29/21 00:00

Date Received: 11/30/21 10:10

Lab Sample ID: 880-8750-7

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	13495	11/30/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		1			13729	12/02/21 11:36	CH	XEN MID

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

Date Collected: 11/29/21 00:00

Date Received: 11/30/21 10:10

Lab Sample ID: 880-8750-8

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			4.98 g	5 mL	13455	12/01/21 11:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/02/21 14:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13792	12/02/21 16:06	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13726	12/02/21 09:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13718	12/03/21 01:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	13495	11/30/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		1			13729	12/02/21 11:44	CH	XEN MID

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

Date Collected: 11/29/21 00:00

Date Received: 11/30/21 10:10

Lab Sample ID: 880-8750-9

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			5.03 g	5 mL	13455	12/01/21 11:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/02/21 14:40	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13792	12/02/21 16:06	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13726	12/02/21 09:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13718	12/03/21 01:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	13495	11/30/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		1			13729	12/02/21 11:52	CH	XEN MID

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

Date Collected: 11/29/21 00:00

Date Received: 11/30/21 10:10

Lab Sample ID: 880-8750-10

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			4.97 g	5 mL	13455	12/01/21 11:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/02/21 15:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13726	12/02/21 09:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13718	12/03/21 02:16	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	13495	11/30/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		5			13729	12/02/21 12:01	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-11

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13455	12/01/21 11:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/02/21 16:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13726	12/02/21 09:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13718	12/03/21 02:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	13495	11/30/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		5			13729	12/02/21 12:09	CH	XEN MID

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

Lab Sample ID: 880-8750-12

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13455	12/01/21 11:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/02/21 17:11	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13726	12/02/21 09:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13718	12/03/21 03:20	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	13495	11/30/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		1			13729	12/02/21 12:34	CH	XEN MID

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

Lab Sample ID: 880-8750-13

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13455	12/01/21 11:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/02/21 17:31	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13726	12/02/21 09:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13718	12/03/21 03:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	13495	11/30/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		1			13729	12/02/21 12:42	CH	XEN MID

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

Lab Sample ID: 880-8750-14

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13455	12/01/21 11:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/02/21 17:52	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-14

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13726	12/02/21 09:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13718	12/03/21 04:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	13495	11/30/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		1			13729	12/02/21 13:07	CH	XEN MID

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

Lab Sample ID: 880-8750-15

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13455	12/01/21 11:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/02/21 18:12	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13726	12/02/21 09:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13718	12/03/21 04:23	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	13495	11/30/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		1			13729	12/02/21 13:16	CH	XEN MID

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

Lab Sample ID: 880-8750-16

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13455	12/01/21 11:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/02/21 18:32	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13726	12/02/21 09:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13718	12/03/21 04:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	13495	11/30/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		1			13729	12/02/21 13:24	CH	XEN MID

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

Lab Sample ID: 880-8750-17

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13455	12/01/21 11:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/02/21 18:53	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13726	12/02/21 09:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13718	12/03/21 07:02	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-17

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	13495	11/30/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		1			13729	12/02/21 13:33	CH	XEN MID

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

Lab Sample ID: 880-8750-18

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13455	12/01/21 11:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/02/21 19:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13726	12/02/21 09:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13718	12/03/21 07:23	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	13495	11/30/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		1			13729	12/02/21 13:41	CH	XEN MID

Client Sample ID: S-7 (4-4.5')

Lab Sample ID: 880-8750-19

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13455	12/01/21 11:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/02/21 19:33	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13726	12/02/21 09:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13718	12/03/21 07:44	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	13495	11/30/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		1			13729	12/02/21 13:49	CH	XEN MID

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

Lab Sample ID: 880-8750-20

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13455	12/01/21 11:07	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/02/21 19:54	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13726	12/02/21 09:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13718	12/03/21 08:05	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	13495	11/30/21 12:52	CA	XEN MID
Soluble	Analysis	300.0		1			13729	12/02/21 13:58	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-21

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13465	11/30/21 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/02/21 22:36	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13727	12/02/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13713	12/02/21 13:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	13496	11/30/21 12:53	CA	XEN MID
Soluble	Analysis	300.0		1			13725	12/01/21 23:27	CH	XEN MID

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

Lab Sample ID: 880-8750-22

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13465	11/30/21 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/02/21 22:56	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13727	12/02/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13713	12/02/21 13:48	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	13496	11/30/21 12:53	CA	XEN MID
Soluble	Analysis	300.0		1			13725	12/01/21 23:52	CH	XEN MID

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

Lab Sample ID: 880-8750-23

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13465	11/30/21 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/02/21 23:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13727	12/02/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13713	12/02/21 14:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	13496	11/30/21 12:53	CA	XEN MID
Soluble	Analysis	300.0		1			13725	12/02/21 00:00	CH	XEN MID

Client Sample ID: S-8 (4-4.5')

Lab Sample ID: 880-8750-24

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13465	11/30/21 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/02/21 23:37	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

Client Sample ID: S-8 (4-4.5')

Lab Sample ID: 880-8750-24

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13727	12/02/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13713	12/02/21 14:29	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	13496	11/30/21 12:53	CA	XEN MID
Soluble	Analysis	300.0		1			13725	12/02/21 00:09	CH	XEN MID

Client Sample ID: S-9 (0-01')

Lab Sample ID: 880-8750-25

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13465	11/30/21 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/02/21 23:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13727	12/02/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13713	12/02/21 14:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	13496	11/30/21 12:53	CA	XEN MID
Soluble	Analysis	300.0		1			13725	12/02/21 00:17	CH	XEN MID

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

Lab Sample ID: 880-8750-26

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13465	11/30/21 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/03/21 00:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13727	12/02/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13713	12/02/21 15:11	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	13496	11/30/21 12:53	CA	XEN MID
Soluble	Analysis	300.0		1			13725	12/02/21 00:42	CH	XEN MID

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

Lab Sample ID: 880-8750-27

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13465	11/30/21 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/03/21 00:38	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13727	12/02/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13713	12/02/21 15:32	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-27

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13496	11/30/21 12:53	CA	XEN MID
Soluble	Analysis	300.0		1			13725	12/02/21 00:50	CH	XEN MID

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

Lab Sample ID: 880-8750-30

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13465	11/30/21 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/03/21 00:59	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13727	12/02/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13713	12/02/21 15:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	13496	11/30/21 12:53	CA	XEN MID
Soluble	Analysis	300.0		1			13725	12/02/21 00:59	CH	XEN MID

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

Lab Sample ID: 880-8750-31

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13465	11/30/21 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/03/21 01:19	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13727	12/02/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13713	12/02/21 16:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	13496	11/30/21 12:53	CA	XEN MID
Soluble	Analysis	300.0		1			13725	12/02/21 01:07	CH	XEN MID

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

Lab Sample ID: 880-8750-32

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13465	11/30/21 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/03/21 01:39	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13727	12/02/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13713	12/02/21 16:57	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	13496	11/30/21 12:53	CA	XEN MID
Soluble	Analysis	300.0		1			13725	12/02/21 01:16	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-33

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13465	11/30/21 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/03/21 03:01	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13727	12/02/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13713	12/02/21 17:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	13496	11/30/21 12:53	CA	XEN MID
Soluble	Analysis	300.0		1			13725	12/02/21 01:24	CH	XEN MID

Client Sample ID: S-10 (4-4.5')

Lab Sample ID: 880-8750-34

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13465	11/30/21 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/03/21 03:22	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13727	12/02/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13713	12/02/21 17:38	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	13496	11/30/21 12:53	CA	XEN MID
Soluble	Analysis	300.0		1			13725	12/02/21 01:49	CH	XEN MID

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

Lab Sample ID: 880-8750-35

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13465	11/30/21 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/03/21 03:42	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13727	12/02/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13713	12/02/21 17:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	13496	11/30/21 12:53	CA	XEN MID
Soluble	Analysis	300.0		1			13725	12/02/21 01:57	CH	XEN MID

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

Lab Sample ID: 880-8750-36

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13465	11/30/21 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/03/21 04:03	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:44	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-36

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13727	12/02/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13713	12/02/21 18:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	13496	11/30/21 12:53	CA	XEN MID
Soluble	Analysis	300.0		1			13725	12/02/21 02:22	CH	XEN MID

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

Lab Sample ID: 880-8750-37

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13465	11/30/21 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/03/21 04:23	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13727	12/02/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13713	12/02/21 18:41	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	13496	11/30/21 12:53	CA	XEN MID
Soluble	Analysis	300.0		1			13725	12/02/21 02:31	CH	XEN MID

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

Lab Sample ID: 880-8750-40

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13465	11/30/21 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/03/21 04:43	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13727	12/02/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13713	12/02/21 19:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	13496	11/30/21 12:53	CA	XEN MID
Soluble	Analysis	300.0		1			13725	12/02/21 02:39	CH	XEN MID

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

Lab Sample ID: 880-8750-41

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13465	11/30/21 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/03/21 05:04	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13727	12/02/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13713	12/02/21 19:22	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8750-41

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	13496	11/30/21 12:53	CA	XEN MID
Soluble	Analysis	300.0		1			13725	12/02/21 02:47	CH	XEN MID

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

Lab Sample ID: 880-8750-42

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13465	11/30/21 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/03/21 05:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13855	12/03/21 10:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13727	12/02/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13713	12/02/21 19:42	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	13496	11/30/21 12:53	CA	XEN MID
Soluble	Analysis	300.0		1			13725	12/02/21 02:56	CH	XEN MID

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

Lab Sample ID: 880-8750-43

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13465	11/30/21 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/03/21 05:45	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13874	12/06/21 08:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13728	12/02/21 10:17	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13715	12/02/21 15:53	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	13496	11/30/21 12:53	CA	XEN MID
Soluble	Analysis	300.0		1			13725	12/02/21 03:04	CH	XEN MID

Client Sample ID: S-12 (4-4.5')

Lab Sample ID: 880-8750-44

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:10

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	13465	11/30/21 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/03/21 06:05	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13874	12/06/21 08:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13728	12/02/21 10:17	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13715	12/02/21 16:36	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	13496	11/30/21 12:53	CA	XEN MID
Soluble	Analysis	300.0		1			13725	12/02/21 03:13	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

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: Igloo Facility

Job ID: 880-8750-1
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: Igloo Facility

Job ID: 880-8750-1
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

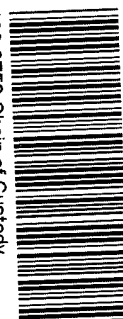
Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8750-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-8750-1	S-1 (0-0.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-2	S-2 (0-0.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-3	S-3 (0-0.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-4	S-4 (0-0.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-5	S-5 (0-1')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-6	S-5 (1-1.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-7	S-5 (2-2.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-8	S-5 (3-3.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-9	S-5 (4-4.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-10	S-6 (0-1')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-11	S-6 (1-1.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-12	S-6 (2-2.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-13	S-6 (3-3.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-14	S-6 (4-4.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-15	S-7 (0-1')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-16	S-7 (1-1.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-17	S-7 (2-2.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-18	S-7 (3-3.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-19	S-7 (4-4.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-20	S-8 (0-1')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-21	S-8 (1-1.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-22	S-8 (2-2.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-23	S-8 (3-3.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-24	S-8 (4-4.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-25	S-9 (0-01')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-26	S-9 (1-1.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-27	S-9 (2-2.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-30	S-10 (0-1')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-31	S-10 (1-1.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-32	S-10 (2-2.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-33	S-10 (3-3.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-34	S-10 (4-4.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-35	S-11 (0-1')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-36	S-11 (1-1.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-37	S-11 (2-2.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-40	S-12 (0-1')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-41	S-12 (1-1.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-42	S-12 (2-2.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-43	S-12 (3-3.5')	Solid	11/29/21 00:00	11/30/21 10:10
880-8750-44	S-12 (4-4.5')	Solid	11/29/21 00:00	11/30/21 10:10



Chain of Custody



880-8750 Chain of Custody

Page 1 of 5

Project Manager	Conner Moehring	Bill to (if different)	Kevin Garrett
Company Name	NTG Environmental	Company Name	Caza Operating LLC
Address	701 Tradewinds BLVD	Address	200 N Lorraine STE 1550
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland, TX 79701
Phone	432-582-7193	Email	Kgarrett@cazabetto.com / 432-556-8508

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.				Igloo Facility		Turn Around		ANALYSIS REQUEST										Preservative Codes	
Project Number		214896		☐ Routine ☒ Rush												None NO		DI Water H ₂ O	
Project Location		Lea Co. NM		Due Date		72Hrs										Cool Cool		MeOH Me	
Sampler's Name		CRM/NH														HCL HC		HNO ₃ HN	
PO #.						TAT starts the day received by the lab if received by 4.30pm										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:				1129						NaHSO ₄ NABIS			
Cooler Custody Seals.				Yes No		N/A		Correction Factor:		.10						Na ₂ S ₂ O ₃ NaSO ₃			
Sample Custody Seals.				Yes No		N/A		Temperature Reading		*.8						Zn Acetate+NaOH Zn			
Total Containers.								Corrected Temperature.		.9						NaOH+Ascorbic Acid		SAPC	

[illegible]

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. If 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
Mick Anderson	[Signature]	11/30/21 10:03			



Work Order No: 6750

Page 2 of 5

Project Manager	Conner Moehring	Bill to: (if different)	Kevin Garrett
Company Name	NTG Environmental	Company Name	Caza Operating LLC
Address	701 Tradewinds BLVD	Address	200 N Loaine, STE 1550
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland TX 79701
Phone	432-582-7193	Email	Kgarrett@cazabetro.com / 432-556-8508

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	

ANALYSIS REQUEST					
		Pres.		Parameters	
Project Name:	Igloo Facility	Turn Around			
Project Number	214896	☐ Routine	☒ Rush		
Project Location	Lea Co., NM	Due Date	72Hrs		
Sampler's Name:	CRM/NH	TAT starts the day received by the lab, if received by 4 30pm			
P.O.#:					
SAMPLE RECEIPT		Tarp Blank	Yes No	Wet Ice	Yes No
Received Intact	(yes) No	Thermometer ID			128
Cooler Custody Seals.	Yes No N/A	Correction Factor			10
Sample Custody Seals.	Yes No N/A	Temperature Reading.			8
Total Containers.		Corrected Temperature:			9
BTEX 8021B					
8015M (GRO + DRO + MRO)					
Chloride 300 0					
HOLD					
Preservative Codes					
None NO	Dl Water H ₂ O				
Cool Cool	Mech 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]

Additoinal Comments:

Xenoco 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 Xenoco. A minimum charge of \$35.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenoco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Nic Howard		11/30/21 10:03	2		
3			4		
5			6		



Chain of Custody

Work Order No: 8750

Page 3 of 5

Project Manager:	Conner Moehring	Bill to: (if different)	Kevin Garrett
Company Name:	NTG Environmental	Company Name:	Caza Operating LLC
Address:	701 Tradewinds BLVD	Address:	200 N Lorraine STE 1550
City, State ZIP:	Midland, TX 79706	City, State ZIP:	Midland TX 79701
Phone:	432-582-7193	Email:	Kgarrett@cazapetro.com / 432-556-8508

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:		Igloo Facility		Turn Around			ANALYSIS REQUEST												Preservative Codes					
Project Number	214896		☐ Routine ☒ Rush														None NO	DI Water- H ₂ O						
Project Location	Lea Co. NM		Due Date	72Hrs													Cool Cool	MeOH Me						
Sampler's Name:	CRM/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												HOLD					
Received In tact:			Yes ☒ No ☐	Thermometer ID:	BTEx 8021B												NaHSO ₄ NABIS							
Cooler Custody Seals.			Yes ☐ No ☒ N/A	Correction Factor:	TPH 8015M (GRO + DRO + MRO)												Na ₂ S ₂ O ₃ . NaSO ₃							
Sample Custody Seals.			Yes ☐ No ☒ N/A	Temperature Reading	Chloride 300 0												Zn Acetate+NaOH Zn							
Total Containers:			Corrected Temperature:														NaOH+Ascorbic Acid SAPC							
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments				
S-8 (1-1 5')		11/29/2021	-	X	-	G	1	X	X	X													402	
S-8 (2-2 5')		11/29/2021	-	X	-	G	1	X	X	X														
S-8 (3-3 5')		11/29/2021	-	X	-	G	1	X	X	X														
S-8 (4-4 5')		11/29/2021	-	X	-	G	1	X	X	X														
S-9 (0-1')		11/29/2021	-	X	-	G	1	X	X	X														
S-9 (1-1 5')		11/29/2021	-	X	-	G	1	X	X	X														
S-9 (2-2 5')		11/29/2021	-	X	-	G	1	X	X	X														
S-9 (3-3 5')		11/29/2021	-	X	-	G	1	X	X	X	HOLD												X	
S-9 (4-4 5')		11/29/2021	-	X	-	G	1	X	X	X	HOLD												X	
S-10 (0-1')		11/29/2021	-	X	-	G	1	X	X	X														

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1. Nick Hoo	Johnica E	11/30/21 10:03	2.		
3.			4.		
5.			6.		



Chain of Custody

Work Order No: 8750

Page 4 of 5

Project Manager	Conner Moehring	Bill to: (if different)	Kevin Garrett
Company Name	NTG Environmental	Company Name	Caza Operating LLC
Address	701 Tradewinds BLVD	Address	200 N Lorraine, STE 1550
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland TX 79701
Phone:	432-582-7193	Email	kgarrett@cazapetro.com / 432-556-8508

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][illegible]

Additoinal Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xeno 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 Xeno. A minimum charge of \$35.00 will be applied to each project, and a charge of \$5 for each sample submitted to Xeno, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 <i>Nick Hara</i>	<i>[Signature]</i>	11/30/21 10:03 ²			
3		4			
5		6			



Chain of Custody

Work Order No: 8750

Page 5 of 5

Project Manager	Conner Moehring	Bill to: (if different)	Kevin Garrett
Company Name	NTG Environmental	Company Name	Caza Operating LLC
Address:	701 Tradewinds BLVD	Address:	200 N. Lorraine STE 1550
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland TX 79701
Phone:	432-582-7193	Email	Kgarrett@cazapetro.com / 432-556-8508

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]

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-8750-1

SDG Number: Lea Co, NM

Login Number: 8750

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Xenco, Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-8751-1

Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Igloo Facility

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:
12/6/2021 9:06:29 AM

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

LINKS

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www.eurofinsus.com/Env

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: Igloo Facility

Laboratory Job ID: 880-8751-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

Job ID: 880-8751-1**Laboratory: Eurofins Xenco, Midland****Narrative****Job Narrative
880-8751-1****Receipt**

The samples were received on 11/30/2021 10:03 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.9°C

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-13728 and analytical batch 880-13715 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.

HPLC/IC

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

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8751-1

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/01/21 08:30	12/01/21 19:20	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/01/21 08:30	12/01/21 19:20	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/01/21 08:30	12/01/21 19:20	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/01/21 08:30	12/01/21 19:20	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/01/21 08:30	12/01/21 19:20	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/01/21 08:30	12/01/21 19:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/01/21 08:30	12/01/21 19:20	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/01/21 08:30	12/01/21 19:20	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			12/03/21 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/06/21 08:31	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 F2	49.9		mg/Kg		12/02/21 10:17	12/02/21 12:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 10:17	12/02/21 12:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/21 10:17	12/02/21 12:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	12/02/21 10:17	12/02/21 12:04	1
o-Terphenyl	104		70 - 130	12/02/21 10:17	12/02/21 12:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			12/02/21 18:24	1

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

Lab Sample ID: 880-8751-2

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/01/21 08:30	12/01/21 19:40	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/01/21 08:30	12/01/21 19:40	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/01/21 08:30	12/01/21 19:40	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/01/21 08:30	12/01/21 19:40	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/01/21 08:30	12/01/21 19:40	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/01/21 08:30	12/01/21 19:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	12/01/21 08:30	12/01/21 19:40	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/01/21 08:30	12/01/21 19:40	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8751-2

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

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			12/03/21 10:31	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			12/06/21 08:31	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		12/02/21 10:17	12/02/21 13:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/21 10:17	12/02/21 13:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/21 10:17	12/02/21 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				12/02/21 10:17	12/02/21 13:06	1
o-Terphenyl	86		70 - 130				12/02/21 10:17	12/02/21 13:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.32		5.04		mg/Kg			12/02/21 18:59	1

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

Lab Sample ID: 880-8751-3

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/21 08:30	12/01/21 20:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/21 08:30	12/01/21 20:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/21 08:30	12/01/21 20:01	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/01/21 08:30	12/01/21 20:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/21 08:30	12/01/21 20:01	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/01/21 08:30	12/01/21 20:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				12/01/21 08:30	12/01/21 20:01	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/01/21 08:30	12/01/21 20:01	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			12/03/21 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	66.8		49.9		mg/Kg			12/06/21 08:31	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		12/02/21 10:17	12/02/21 13:27	1
Diesel Range Organics (Over C10-C28)	66.8		49.9		mg/Kg		12/02/21 10:17	12/02/21 13:27	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8751-3

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

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		12/02/21 10:17	12/02/21 13:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				12/02/21 10:17	12/02/21 13:27	1
o-Terphenyl	88		70 - 130				12/02/21 10:17	12/02/21 13:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.7		4.99		mg/Kg			12/02/21 19:10	1

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

Lab Sample ID: 880-8751-4

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/01/21 08:30	12/01/21 20:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/01/21 08:30	12/01/21 20:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/01/21 08:30	12/01/21 20:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/01/21 08:30	12/01/21 20:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/01/21 08:30	12/01/21 20:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/01/21 08:30	12/01/21 20:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				12/01/21 08:30	12/01/21 20:21	1
1,4-Difluorobenzene (Surr)	101		70 - 130				12/01/21 08:30	12/01/21 20:21	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			12/03/21 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/06/21 08:31	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		12/02/21 10:17	12/02/21 13:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 10:17	12/02/21 13:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/21 10:17	12/02/21 13:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				12/02/21 10:17	12/02/21 13:48	1
o-Terphenyl	82		70 - 130				12/02/21 10:17	12/02/21 13:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/02/21 19:21	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8751-5

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/21 08:30	12/02/21 13:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/21 08:30	12/02/21 13:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/21 08:30	12/02/21 13:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/21 08:30	12/02/21 13:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/21 08:30	12/02/21 13:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/21 08:30	12/02/21 13:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	12/02/21 08:30	12/02/21 13:05	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/02/21 08:30	12/02/21 13:05	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			12/03/21 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/06/21 08:31	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		12/02/21 10:17	12/02/21 14:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/21 10:17	12/02/21 14:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/21 10:17	12/02/21 14:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	12/02/21 10:17	12/02/21 14:08	1
o-Terphenyl	90		70 - 130	12/02/21 10:17	12/02/21 14:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.18		4.95		mg/Kg			12/02/21 19:33	1

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

Lab Sample ID: 880-8751-6

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/21 08:30	12/02/21 13:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/21 08:30	12/02/21 13:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/21 08:30	12/02/21 13:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/02/21 08:30	12/02/21 13:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/21 08:30	12/02/21 13:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/02/21 08:30	12/02/21 13:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	12/02/21 08:30	12/02/21 13:26	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/02/21 08:30	12/02/21 13:26	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8751-6

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

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			12/03/21 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/06/21 08:31	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		12/02/21 10:17	12/02/21 14:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 10:17	12/02/21 14:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/21 10:17	12/02/21 14:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				12/02/21 10:17	12/02/21 14:29	1
o-Terphenyl	93		70 - 130				12/02/21 10:17	12/02/21 14:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.87		5.02		mg/Kg			12/02/21 20:07	1

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

Lab Sample ID: 880-8751-7

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/02/21 08:30	12/02/21 13:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/02/21 08:30	12/02/21 13:46	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/02/21 08:30	12/02/21 13:46	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/02/21 08:30	12/02/21 13:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/02/21 08:30	12/02/21 13:46	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/02/21 08:30	12/02/21 13:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				12/02/21 08:30	12/02/21 13:46	1
1,4-Difluorobenzene (Surr)	88		70 - 130				12/02/21 08:30	12/02/21 13:46	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			12/03/21 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/06/21 08:31	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		12/02/21 10:17	12/02/21 14:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/21 10:17	12/02/21 14:50	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8751-7

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

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		12/02/21 10:17	12/02/21 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				12/02/21 10:17	12/02/21 14:50	1
o-Terphenyl	89		70 - 130				12/02/21 10:17	12/02/21 14:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.33		4.97		mg/Kg			12/02/21 20:18	1

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

Lab Sample ID: 880-8751-8

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/21 08:30	12/02/21 14:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/21 08:30	12/02/21 14:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/21 08:30	12/02/21 14:07	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/02/21 08:30	12/02/21 14:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/21 08:30	12/02/21 14:07	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/02/21 08:30	12/02/21 14:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				12/02/21 08:30	12/02/21 14:07	1
1,4-Difluorobenzene (Surr)	73		70 - 130				12/02/21 08:30	12/02/21 14:07	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			12/03/21 10:31	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			12/06/21 08:31	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		12/02/21 10:17	12/02/21 15:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/21 10:17	12/02/21 15:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/21 10:17	12/02/21 15:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				12/02/21 10:17	12/02/21 15:11	1
o-Terphenyl	93		70 - 130				12/02/21 10:17	12/02/21 15:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.7		4.95		mg/Kg			12/02/21 20:29	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

Client Sample ID: H-9 (0-0.5')

Lab Sample ID: 880-8751-9

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/02/21 08:30	12/02/21 14:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/02/21 08:30	12/02/21 14:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/02/21 08:30	12/02/21 14:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/02/21 08:30	12/02/21 14:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/02/21 08:30	12/02/21 14:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/02/21 08:30	12/02/21 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/02/21 08:30	12/02/21 14:27	1
1,4-Difluorobenzene (Surr)	108		70 - 130	12/02/21 08:30	12/02/21 14:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/03/21 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/06/21 08:31	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		12/02/21 10:17	12/02/21 15:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 10:17	12/02/21 15:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/21 10:17	12/02/21 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	12/02/21 10:17	12/02/21 15:32	1
o-Terphenyl	97		70 - 130	12/02/21 10:17	12/02/21 15:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.19		4.99		mg/Kg			12/02/21 20:41	1

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-8623-A-32-F MS	Matrix Spike	120	101
880-8623-A-32-G MSD	Matrix Spike Duplicate	118	112
880-8707-A-1-E MS	Matrix Spike	107	98
880-8707-A-1-F MSD	Matrix Spike Duplicate	110	107
880-8751-1	H-1 (0-0.5')	121	96
880-8751-2	H-2 (0-0.5')	128	103
880-8751-3	H-3 (0-0.5')	118	99
880-8751-4	H-4 (0-0.5')	115	101
880-8751-5	H-5 (0-0.5')	102	102
880-8751-6	H-6 (0-0.5')	111	101
880-8751-7	H-7 (0-0.5')	112	88
880-8751-8	H-8 (0-0.5')	120	73
880-8751-9	H-9 (0-0.5')	121	108
LCS 880-13361/1-A	Lab Control Sample	111	95
LCS 880-13654/1-A	Lab Control Sample	105	103
LCSD 880-13361/2-A	Lab Control Sample Dup	52 S1-	98
LCSD 880-13654/2-A	Lab Control Sample Dup	107	106
MB 880-13361/5-A	Method Blank	121	103
MB 880-13654/5-A	Method Blank	103	97
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)
880-8751-1	H-1 (0-0.5')	97	104
880-8751-1 MS	H-1 (0-0.5')	86	86
880-8751-1 MSD	H-1 (0-0.5')	74	74
880-8751-2	H-2 (0-0.5')	77	86
880-8751-3	H-3 (0-0.5')	80	88
880-8751-4	H-4 (0-0.5')	72	82
880-8751-5	H-5 (0-0.5')	79	90
880-8751-6	H-6 (0-0.5')	80	93
880-8751-7	H-7 (0-0.5')	79	89
880-8751-8	H-8 (0-0.5')	82	93
880-8751-9	H-9 (0-0.5')	86	97
LCS 880-13728/2-A	Lab Control Sample	124	122
LCSD 880-13728/3-A	Lab Control Sample Dup	99	96
MB 880-13728/1-A	Method Blank	111	128
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-13361/5-A

Matrix: Solid

Analysis Batch: 13591

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13361

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/21 08:30	12/01/21 11:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/21 08:30	12/01/21 11:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/21 08:30	12/01/21 11:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/01/21 08:30	12/01/21 11:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/21 08:30	12/01/21 11:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/01/21 08:30	12/01/21 11:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/01/21 08:30	12/01/21 11:55	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/01/21 08:30	12/01/21 11:55	1

Lab Sample ID: LCS 880-13361/1-A

Matrix: Solid

Analysis Batch: 13591

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13361

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09417		mg/Kg		94	70 - 130
Toluene	0.100	0.09309		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09817		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1910		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09240		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-13361/2-A

Matrix: Solid

Analysis Batch: 13591

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13361

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.09994		mg/Kg		100	70 - 130	6	35
Toluene	0.100	0.1035		mg/Kg		104	70 - 130	11	35
Ethylbenzene	0.100	0.1029		mg/Kg		103	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2024		mg/Kg		101	70 - 130	6	35
o-Xylene	0.100	0.09805		mg/Kg		98	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	52	S1-	70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-8623-A-32-F MS

Matrix: Solid

Analysis Batch: 13591

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 13361

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.100	0.1004		mg/Kg		99	70 - 130
Toluene	<0.00199	U	0.100	0.1037		mg/Kg		103	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8623-A-32-F MS

Matrix: Solid

Analysis Batch: 13591

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 13361

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00199	U	0.100	0.1077		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.201	0.2076		mg/Kg		103	70 - 130
o-Xylene	<0.00199	U	0.100	0.09906		mg/Kg		98	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-8623-A-32-G MSD

Matrix: Solid

Analysis Batch: 13591

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 13361

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.09805		mg/Kg		97	70 - 130	2	35
Toluene	<0.00199	U	0.100	0.1013		mg/Kg		101	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.100	0.1014		mg/Kg		101	70 - 130	6	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1983		mg/Kg		99	70 - 130	5	35
o-Xylene	<0.00199	U	0.100	0.09582		mg/Kg		95	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: MB 880-13654/5-A

Matrix: Solid

Analysis Batch: 13721

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13654

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/21 08:30	12/02/21 11:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/21 08:30	12/02/21 11:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/21 08:30	12/02/21 11:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/02/21 08:30	12/02/21 11:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/21 08:30	12/02/21 11:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/02/21 08:30	12/02/21 11:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	12/02/21 08:30	12/02/21 11:22	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/02/21 08:30	12/02/21 11:22	1

Lab Sample ID: LCS 880-13654/1-A

Matrix: Solid

Analysis Batch: 13721

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13654

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09243		mg/Kg		92	70 - 130
Toluene	0.100	0.08534		mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.08698		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1807		mg/Kg		90	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-13654/1-A

Matrix: Solid

Analysis Batch: 13721

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13654

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	0.100	0.08704		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-13654/2-A

Matrix: Solid

Analysis Batch: 13721

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13654

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09334		mg/Kg		93	70 - 130	1	35
Toluene	0.100	0.08583		mg/Kg		86	70 - 130	1	35
Ethylbenzene	0.100	0.08826		mg/Kg		88	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1656		mg/Kg		83	70 - 130	9	35
o-Xylene	0.100	0.08840		mg/Kg		88	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-8707-A-1-E MS

Matrix: Solid

Analysis Batch: 13721

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 13654

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00201	U	0.0998	0.09388		mg/Kg		94	70 - 130
Toluene	<0.00201	U	0.0998	0.08902		mg/Kg		89	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.08878		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1860		mg/Kg		93	70 - 130
o-Xylene	<0.00201	U	0.0998	0.09257		mg/Kg		92	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-8707-A-1-F MSD

Matrix: Solid

Analysis Batch: 13721

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 13654

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09171		mg/Kg		91	70 - 130	2	35
Toluene	<0.00201	U	0.100	0.08720		mg/Kg		87	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.100	0.08963		mg/Kg		90	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1884		mg/Kg		94	70 - 130	1	35
o-Xylene	<0.00201	U	0.100	0.09280		mg/Kg		92	70 - 130	0	35

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8707-A-1-F MSD

Matrix: Solid

Analysis Batch: 13721

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 13654

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

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

Lab Sample ID: MB 880-13728/1-A

Matrix: Solid

Analysis Batch: 13715

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13728

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/02/21 10:17	12/02/21 11:02	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/21 10:17	12/02/21 11:02	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/21 10:17	12/02/21 11:02	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	111		70 - 130				12/02/21 10:17	12/02/21 11:02	1	
o-Terphenyl	128		70 - 130				12/02/21 10:17	12/02/21 11:02	1	

Lab Sample ID: LCS 880-13728/2-A

Matrix: Solid

Analysis Batch: 13715

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13728

	Spike	LCS	LCS						%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	1000	864.2		mg/Kg		86	70 - 130			
Diesel Range Organics (Over C10-C28)	1000	859.9		mg/Kg		86	70 - 130			
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	124		70 - 130							
o-Terphenyl	122		70 - 130							

Lab Sample ID: LCSD 880-13728/3-A

Matrix: Solid

Analysis Batch: 13715

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13728

	Spike	LCSD	LCSD					%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	962.9		mg/Kg		96	70 - 130	11	20	
Diesel Range Organics (Over C10-C28)	1000	950.8		mg/Kg		95	70 - 130	10	20	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	99		70 - 130							
o-Terphenyl	96		70 - 130							

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8751-1 MS

Matrix: Solid

Analysis Batch: 13715

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

Prep Type: Total/NA

Prep Batch: 13728

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	997	1077		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	944.3		mg/Kg		93	70 - 130		

Lab Sample ID: 880-8751-1 MSD

Matrix: Solid

Analysis Batch: 13715

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

Prep Type: Total/NA

Prep Batch: 13728

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	999	864.9	F2	mg/Kg		84	70 - 130	22	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	831.4		mg/Kg		81	70 - 130	13	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	74		70 - 130								
o-Terphenyl	74		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-13497/1-A

Matrix: Solid

Analysis Batch: 13733

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			12/02/21 17:50	1

Lab Sample ID: LCS 880-13497/2-A

Matrix: Solid

Analysis Batch: 13733

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	254.2		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-13497/3-A

Matrix: Solid

Analysis Batch: 13733

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	254.4		mg/Kg		102	90 - 110	0	20

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QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-8751-1 MS

Matrix: Solid

Analysis Batch: 13733

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	<4.98	U	249	277.5		mg/Kg		110	90 - 110

Lab Sample ID: 880-8751-1 MSD

Matrix: Solid

Analysis Batch: 13733

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<4.98	U	249	269.1		mg/Kg		106	90 - 110	3	20

QC Association Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 13361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8751-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-8751-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-8751-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-8751-4	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-13361/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13361/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13361/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-8623-A-32-F MS	Matrix Spike	Total/NA	Solid	5035	
880-8623-A-32-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 13591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8751-1	H-1 (0-0.5')	Total/NA	Solid	8021B	13361
880-8751-2	H-2 (0-0.5')	Total/NA	Solid	8021B	13361
880-8751-3	H-3 (0-0.5')	Total/NA	Solid	8021B	13361
880-8751-4	H-4 (0-0.5')	Total/NA	Solid	8021B	13361
MB 880-13361/5-A	Method Blank	Total/NA	Solid	8021B	13361
LCS 880-13361/1-A	Lab Control Sample	Total/NA	Solid	8021B	13361
LCSD 880-13361/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13361
880-8623-A-32-F MS	Matrix Spike	Total/NA	Solid	8021B	13361
880-8623-A-32-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	13361

Prep Batch: 13654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8751-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-8751-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-8751-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-8751-8	H-8 (0-0.5')	Total/NA	Solid	5035	
880-8751-9	H-9 (0-0.5')	Total/NA	Solid	5035	
MB 880-13654/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13654/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13654/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-8707-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-8707-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 13721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8751-5	H-5 (0-0.5')	Total/NA	Solid	8021B	13654
880-8751-6	H-6 (0-0.5')	Total/NA	Solid	8021B	13654
880-8751-7	H-7 (0-0.5')	Total/NA	Solid	8021B	13654
880-8751-8	H-8 (0-0.5')	Total/NA	Solid	8021B	13654
880-8751-9	H-9 (0-0.5')	Total/NA	Solid	8021B	13654
MB 880-13654/5-A	Method Blank	Total/NA	Solid	8021B	13654
LCS 880-13654/1-A	Lab Control Sample	Total/NA	Solid	8021B	13654
LCSD 880-13654/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13654
880-8707-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	13654
880-8707-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	13654

Analysis Batch: 13868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8751-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 13868 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8751-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-8751-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-8751-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-8751-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-8751-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-8751-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-8751-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	
880-8751-9	H-9 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 13715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8751-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	13728
880-8751-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	13728
880-8751-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	13728
880-8751-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	13728
880-8751-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	13728
880-8751-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	13728
880-8751-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	13728
880-8751-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	13728
880-8751-9	H-9 (0-0.5')	Total/NA	Solid	8015B NM	13728
MB 880-13728/1-A	Method Blank	Total/NA	Solid	8015B NM	13728
LCS 880-13728/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	13728
LCSD 880-13728/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	13728
880-8751-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015B NM	13728
880-8751-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015B NM	13728

Prep Batch: 13728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8751-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-8751-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-8751-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-8751-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-8751-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-8751-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-8751-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-8751-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-8751-9	H-9 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-13728/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-13728/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-13728/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-8751-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-8751-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 13943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8751-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-8751-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-8751-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-8751-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 13943 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8751-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-8751-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-8751-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-8751-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	
880-8751-9	H-9 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 13497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8751-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-8751-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-8751-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-8751-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-8751-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-8751-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-8751-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-8751-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
880-8751-9	H-9 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-13497/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-13497/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-13497/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-8751-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-8751-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 13733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8751-1	H-1 (0-0.5')	Soluble	Solid	300.0	13497
880-8751-2	H-2 (0-0.5')	Soluble	Solid	300.0	13497
880-8751-3	H-3 (0-0.5')	Soluble	Solid	300.0	13497
880-8751-4	H-4 (0-0.5')	Soluble	Solid	300.0	13497
880-8751-5	H-5 (0-0.5')	Soluble	Solid	300.0	13497
880-8751-6	H-6 (0-0.5')	Soluble	Solid	300.0	13497
880-8751-7	H-7 (0-0.5')	Soluble	Solid	300.0	13497
880-8751-8	H-8 (0-0.5')	Soluble	Solid	300.0	13497
880-8751-9	H-9 (0-0.5')	Soluble	Solid	300.0	13497
MB 880-13497/1-A	Method Blank	Soluble	Solid	300.0	13497
LCS 880-13497/2-A	Lab Control Sample	Soluble	Solid	300.0	13497
LCSD 880-13497/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	13497
880-8751-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	13497
880-8751-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	13497

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8751-1

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	13361	12/01/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13591	12/01/21 19:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13943	12/06/21 08:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13728	12/02/21 10:17	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13715	12/02/21 12:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	13497	11/30/21 12:56	CA	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	13733	12/02/21 18:24	CH	XEN MID

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

Lab Sample ID: 880-8751-2

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	13361	12/01/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13591	12/01/21 19:40	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13943	12/06/21 08:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13728	12/02/21 10:17	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13715	12/02/21 13:06	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	13497	11/30/21 12:56	CA	XEN MID
Soluble	Analysis	300.0		1			13733	12/02/21 18:59	CH	XEN MID

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

Lab Sample ID: 880-8751-3

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	13361	12/01/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13591	12/01/21 20:01	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13943	12/06/21 08:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13728	12/02/21 10:17	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13715	12/02/21 13:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	13497	11/30/21 12:56	CA	XEN MID
Soluble	Analysis	300.0		1			13733	12/02/21 19:10	CH	XEN MID

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

Lab Sample ID: 880-8751-4

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	13361	12/01/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13591	12/01/21 20:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8751-4

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			13943	12/06/21 08:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13728	12/02/21 10:17	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13715	12/02/21 13:48	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	13497	11/30/21 12:56	CA	XEN MID
Soluble	Analysis	300.0		1			13733	12/02/21 19:21	CH	XEN MID

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

Lab Sample ID: 880-8751-5

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	13654	12/02/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/02/21 13:05	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13943	12/06/21 08:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13728	12/02/21 10:17	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13715	12/02/21 14:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	13497	11/30/21 12:56	CA	XEN MID
Soluble	Analysis	300.0		1			13733	12/02/21 19:33	CH	XEN MID

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

Lab Sample ID: 880-8751-6

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	13654	12/02/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/02/21 13:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13943	12/06/21 08:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13728	12/02/21 10:17	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13715	12/02/21 14:29	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	13497	11/30/21 12:56	CA	XEN MID
Soluble	Analysis	300.0		1			13733	12/02/21 20:07	CH	XEN MID

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

Lab Sample ID: 880-8751-7

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	13654	12/02/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/02/21 13:46	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13943	12/06/21 08:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13728	12/02/21 10:17	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13715	12/02/21 14:50	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

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

Date Collected: 11/29/21 00:00

Date Received: 11/30/21 10:03

Lab Sample ID: 880-8751-7

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	13497	11/30/21 12:56	CA	XEN MID
Soluble	Analysis	300.0		1			13733	12/02/21 20:18	CH	XEN MID

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

Date Collected: 11/29/21 00:00

Date Received: 11/30/21 10:03

Lab Sample ID: 880-8751-8

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			4.99 g	5 mL	13654	12/02/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/02/21 14:07	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13943	12/06/21 08:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13728	12/02/21 10:17	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13715	12/02/21 15:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	13497	11/30/21 12:56	CA	XEN MID
Soluble	Analysis	300.0		1			13733	12/02/21 20:29	CH	XEN MID

Client Sample ID: H-9 (0-0.5')

Date Collected: 11/29/21 00:00

Date Received: 11/30/21 10:03

Lab Sample ID: 880-8751-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	13654	12/02/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13721	12/02/21 14:27	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13943	12/06/21 08:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13728	12/02/21 10:17	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13715	12/02/21 15:32	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	13497	11/30/21 12:56	CA	XEN MID
Soluble	Analysis	300.0		1			13733	12/02/21 20:41	CH	XEN MID

Laboratory References:

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

Eurofins Xenco, Midland

Accreditation/Certification Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8751-1
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: Igloo Facility

Job ID: 880-8751-1
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: Igloo Facility

Job ID: 880-8751-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-8751-1	H-1 (0-0.5')	Solid	11/29/21 00:00	11/30/21 10:03
880-8751-2	H-2 (0-0.5')	Solid	11/29/21 00:00	11/30/21 10:03
880-8751-3	H-3 (0-0.5')	Solid	11/29/21 00:00	11/30/21 10:03
880-8751-4	H-4 (0-0.5')	Solid	11/29/21 00:00	11/30/21 10:03
880-8751-5	H-5 (0-0.5')	Solid	11/29/21 00:00	11/30/21 10:03
880-8751-6	H-6 (0-0.5')	Solid	11/29/21 00:00	11/30/21 10:03
880-8751-7	H-7 (0-0.5')	Solid	11/29/21 00:00	11/30/21 10:03
880-8751-8	H-8 (0-0.5')	Solid	11/29/21 00:00	11/30/21 10:03
880-8751-9	H-9 (0-0.5')	Solid	11/29/21 00:00	11/30/21 10:03



Chain of Custody



880-8751 Chain of Custody

Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	Kevin Garrett
Company Name:	NTG Environmental	Company Name:	Caiza Operating LLC
Address:	701 Tradewinds Blvd	Address:	200 N Loraine STE 1550
City, State ZIP:	Midland, TX 79706	City, State ZIP:	Midland TX 79701
Phone:	432-582-7193	Email:	Kgarrett@cazapetro.com / 432-556-8508

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:	Igloo Facility	Turn Around	☐ Routine ☒ Rush	Pres. Code	ANALYSIS REQUEST												PRESERVATIVE CODES																					
Project Number:	214896	Due Date:	72Hrs																																			
Project Location:	Lea Co. NM	TAT starts the day received by the lab, if received by 4:30pm																																				
Sample's Name:	CRM/NH																																					
PO #:																																						
SAMPLE RECEIPT					Parameters																																	
Received Intact:	Yes (No)	Temp Blank:	Yes (No)	Wet Ice:	Yes (No)																																	
Cooler Custody Seals:	Yes (No)	Thermometer ID:																																				
Sample Custody Seals:	Yes (No)	Correction Factor:																																				
Total Containers:	Yes (No)	Temperature Reading																																				
		Corrected Temperature:																																				
Sample Identification					Date	Time	Soil	Water	Grab/Comp	# of Cont																												
H-1 (0-0.5')	11/29/2021	-	X	-	G	1	X	X	X	X																												
H-2 (0-0.5')	11/29/2021	-	X	-	G	1	X	X	X	X																												
H-3 (0-0.5')	11/29/2021	-	X	-	G	1	X	X	X	X																												
H-4 (0-0.5')	11/29/2021	-	X	-	G	1	X	X	X	X																												
H-5 (0-0.5')	11/29/2021	-	X	-	G	1	X	X	X	X																												
H-6 (0-0.5')	11/29/2021	-	X	-	G	1	X	X	X	X																												
H-7 (0-0.5')	11/29/2021	-	X	-	G	1	X	X	X	X																												
H-8 (0-0.5')	11/29/2021	-	X	-	G	1	X	X	X	X																												
H-9 (0-0.5')	11/29/2021	-	X	-	G	1	X	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 \$35.00 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
Nick Anderson	[Signature]	11/30/21 10:03			

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-8751-1

SDG Number: Lea Co, NM

Login Number: 8751

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: 880-8754-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Igloo Facility

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:
12/6/2021 3:06:12 PM

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: Igloo Facility

Laboratory Job ID: 880-8754-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8754-1
SDG: Lea Co, NM

Qualifiers

GC VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: Igloo Facility

Job ID: 880-8754-1
SDG: Lea Co, NM

Job ID: 880-8754-1**Laboratory: Eurofins Xenco, Midland****Narrative****Job Narrative
880-8754-1****Receipt**

The samples were received on 11/30/2021 10:03 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.9°C

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The sample size used in the preparation of the matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 880-13813 and analytical batch 880-13827 was outside the 10% difference. As the relative percent difference (RPD) calculation is based upon the MS/MSD concentration as opposed to the MS/MSD percent recovery, elevated %RPD values were obtained.

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

HPLC/IC

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

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8754-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8754-1

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/01/21 08:30	12/01/21 18:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/01/21 08:30	12/01/21 18:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/01/21 08:30	12/01/21 18:39	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		12/01/21 08:30	12/01/21 18:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/01/21 08:30	12/01/21 18:39	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		12/01/21 08:30	12/01/21 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	12/01/21 08:30	12/01/21 18:39	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/01/21 08:30	12/01/21 18:39	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			12/03/21 10:44	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			12/06/21 08:31	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		12/02/21 17:15	12/03/21 21:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/21 17:15	12/03/21 21:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/21 17:15	12/03/21 21:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	12/02/21 17:15	12/03/21 21:01	1
o-Terphenyl	99		70 - 130	12/02/21 17:15	12/03/21 21:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.52		5.00		mg/Kg			12/02/21 20:52	1

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

Lab Sample ID: 880-8754-2

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/01/21 08:30	12/01/21 19:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/01/21 08:30	12/01/21 19:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/01/21 08:30	12/01/21 19:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/01/21 08:30	12/01/21 19:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/01/21 08:30	12/01/21 19:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/01/21 08:30	12/01/21 19:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	12/01/21 08:30	12/01/21 19:00	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/01/21 08:30	12/01/21 19:00	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8754-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8754-2

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/03/21 10:44	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			12/06/21 08:31	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		12/02/21 17:15	12/03/21 21:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/21 17:15	12/03/21 21:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/21 17:15	12/03/21 21:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				12/02/21 17:15	12/03/21 21:22	1
o-Terphenyl	96		70 - 130				12/02/21 17:15	12/03/21 21:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.06		4.96		mg/Kg			12/02/21 21:04	1

Surrogate Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8754-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-8623-A-32-F MS	Matrix Spike	120	101
880-8623-A-32-G MSD	Matrix Spike Duplicate	118	112
880-8754-1	B-1 (0-0.5')	115	95
880-8754-2	B-2 (0-0.5')	109	98
LCS 880-13361/1-A	Lab Control Sample	111	95
LCSD 880-13361/2-A	Lab Control Sample Dup	52 S1-	98
MB 880-13361/5-A	Method Blank	121	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)
880-8754-1	B-1 (0-0.5')	89	99
880-8754-2	B-2 (0-0.5')	86	96
890-1621-A-60-D MS	Matrix Spike	81	84
890-1621-A-60-E MSD	Matrix Spike Duplicate	94	97
LCS 880-13813/2-A	Lab Control Sample	99	99
LCSD 880-13813/3-A	Lab Control Sample Dup	109	114
MB 880-13813/1-A	Method Blank	92	102
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8754-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-13361/5-A

Matrix: Solid

Analysis Batch: 13591

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13361

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/21 08:30	12/01/21 11:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/21 08:30	12/01/21 11:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/21 08:30	12/01/21 11:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/01/21 08:30	12/01/21 11:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/21 08:30	12/01/21 11:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/01/21 08:30	12/01/21 11:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/01/21 08:30	12/01/21 11:55	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/01/21 08:30	12/01/21 11:55	1

Lab Sample ID: LCS 880-13361/1-A

Matrix: Solid

Analysis Batch: 13591

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13361

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09417		mg/Kg		94	70 - 130
Toluene	0.100	0.09309		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09817		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1910		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09240		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-13361/2-A

Matrix: Solid

Analysis Batch: 13591

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13361

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.09994		mg/Kg		100	70 - 130	6	35
Toluene	0.100	0.1035		mg/Kg		104	70 - 130	11	35
Ethylbenzene	0.100	0.1029		mg/Kg		103	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2024		mg/Kg		101	70 - 130	6	35
o-Xylene	0.100	0.09805		mg/Kg		98	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	52	S1-	70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-8623-A-32-F MS

Matrix: Solid

Analysis Batch: 13591

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 13361

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.100	0.1004		mg/Kg		99	70 - 130
Toluene	<0.00199	U	0.100	0.1037		mg/Kg		103	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8754-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8623-A-32-F MS

Matrix: Solid

Analysis Batch: 13591

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 13361

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00199	U	0.100	0.1077		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.201	0.2076		mg/Kg		103	70 - 130
o-Xylene	<0.00199	U	0.100	0.09906		mg/Kg		98	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-8623-A-32-G MSD

Matrix: Solid

Analysis Batch: 13591

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 13361

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.09805		mg/Kg		97	70 - 130	2	35
Toluene	<0.00199	U	0.100	0.1013		mg/Kg		101	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.100	0.1014		mg/Kg		101	70 - 130	6	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1983		mg/Kg		99	70 - 130	5	35
o-Xylene	<0.00199	U	0.100	0.09582		mg/Kg		95	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

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

Lab Sample ID: MB 880-13813/1-A

Matrix: Solid

Analysis Batch: 13827

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13813

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		12/02/21 17:15	12/03/21 18:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/21 17:15	12/03/21 18:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/21 17:15	12/03/21 18:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	12/02/21 17:15	12/03/21 18:57	1
o-Terphenyl	102		70 - 130	12/02/21 17:15	12/03/21 18:57	1

Lab Sample ID: LCS 880-13813/2-A

Matrix: Solid

Analysis Batch: 13827

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13813

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	897.8		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	903.0		mg/Kg		90	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8754-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-13813/2-A

Matrix: Solid

Analysis Batch: 13827

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13813

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

Lab Sample ID: LCSD 880-13813/3-A

Matrix: Solid

Analysis Batch: 13827

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13813

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	848.7		mg/Kg		85	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	832.9		mg/Kg		83	70 - 130	8	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: 890-1621-A-60-D MS

Matrix: Solid

Analysis Batch: 13827

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 13813

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 F1 F2	997	1046		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	869.4		mg/Kg		87	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	81		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: 890-1621-A-60-E MSD

Matrix: Solid

Analysis Batch: 13827

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 13813

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1 F2	999	1450	F1 F2	mg/Kg		143	70 - 130	32	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1023		mg/Kg		102	70 - 130	16	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	97		70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8754-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-13497/1-A

Matrix: Solid

Analysis Batch: 13733

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			12/02/21 17:50	1

Lab Sample ID: LCS 880-13497/2-A

Matrix: Solid

Analysis Batch: 13733

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	254.2		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-13497/3-A

Matrix: Solid

Analysis Batch: 13733

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	254.4		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-8754-2 MS

Matrix: Solid

Analysis Batch: 13733

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	8.06		248	265.5		mg/Kg		104	90 - 110

Lab Sample ID: 880-8754-2 MSD

Matrix: Solid

Analysis Batch: 13733

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	8.06		248	265.1		mg/Kg		104	90 - 110	0	20

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8754-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 13361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8754-1	B-1 (0-0.5')	Total/NA	Solid	5035	
880-8754-2	B-2 (0-0.5')	Total/NA	Solid	5035	
MB 880-13361/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13361/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13361/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-8623-A-32-F MS	Matrix Spike	Total/NA	Solid	5035	
880-8623-A-32-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 13591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8754-1	B-1 (0-0.5')	Total/NA	Solid	8021B	13361
880-8754-2	B-2 (0-0.5')	Total/NA	Solid	8021B	13361
MB 880-13361/5-A	Method Blank	Total/NA	Solid	8021B	13361
LCS 880-13361/1-A	Lab Control Sample	Total/NA	Solid	8021B	13361
LCSD 880-13361/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13361
880-8623-A-32-F MS	Matrix Spike	Total/NA	Solid	8021B	13361
880-8623-A-32-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	13361

Analysis Batch: 13868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8754-1	B-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-8754-2	B-2 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 13813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8754-1	B-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-8754-2	B-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-13813/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-13813/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-13813/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1621-A-60-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1621-A-60-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 13827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8754-1	B-1 (0-0.5')	Total/NA	Solid	8015B NM	13813
880-8754-2	B-2 (0-0.5')	Total/NA	Solid	8015B NM	13813
MB 880-13813/1-A	Method Blank	Total/NA	Solid	8015B NM	13813
LCS 880-13813/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	13813
LCSD 880-13813/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	13813
890-1621-A-60-D MS	Matrix Spike	Total/NA	Solid	8015B NM	13813
890-1621-A-60-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	13813

Analysis Batch: 13943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8754-1	B-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-8754-2	B-2 (0-0.5')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8754-1
SDG: Lea Co, NM

HPLC/IC

Leach Batch: 13497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8754-1	B-1 (0-0.5')	Soluble	Solid	DI Leach	
880-8754-2	B-2 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-13497/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-13497/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-13497/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-8754-2 MS	B-2 (0-0.5')	Soluble	Solid	DI Leach	
880-8754-2 MSD	B-2 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 13733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8754-1	B-1 (0-0.5')	Soluble	Solid	300.0	13497
880-8754-2	B-2 (0-0.5')	Soluble	Solid	300.0	13497
MB 880-13497/1-A	Method Blank	Soluble	Solid	300.0	13497
LCS 880-13497/2-A	Lab Control Sample	Soluble	Solid	300.0	13497
LCSD 880-13497/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	13497
880-8754-2 MS	B-2 (0-0.5')	Soluble	Solid	300.0	13497
880-8754-2 MSD	B-2 (0-0.5')	Soluble	Solid	300.0	13497

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8754-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8754-1

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	13361	12/01/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13591	12/01/21 18:39	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13943	12/06/21 08:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13813	12/02/21 17:15	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13827	12/03/21 21:01	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	13497	11/30/21 12:56	CA	XEN MID
Soluble	Analysis	300.0		1			13733	12/02/21 20:52	CH	XEN MID

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

Lab Sample ID: 880-8754-2

Date Collected: 11/29/21 00:00

Matrix: Solid

Date Received: 11/30/21 10:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	13361	12/01/21 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13591	12/01/21 19:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13868	12/03/21 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13943	12/06/21 08:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13813	12/02/21 17:15	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13827	12/03/21 21:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	13497	11/30/21 12:56	CA	XEN MID
Soluble	Analysis	300.0		1			13733	12/02/21 21:04	CH	XEN MID

Laboratory References:

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

Eurofins Xenco, Midland

Accreditation/Certification Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-8754-1
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: Igloo Facility

Job ID: 880-8754-1
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: Igloo Facility

Job ID: 880-8754-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-8754-1	B-1 (0-0.5')	Solid	11/29/21 00:00	11/30/21 10:03
880-8754-2	B-2 (0-0.5')	Solid	11/29/21 00:00	11/30/21 10:03

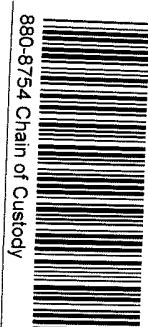
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Chain of Custody

Project Manager	Conner Moehring	Bill to: (if different)	Kevin Garrett
Company Name:	NTG Environmental	Company Name	Caza Operating LLC
Address:	701 Tradewinds BLVD	Address:	200 N Loraine STE 1550
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland, TX 79701
Phone:	432-582-7193	Email	Kgarrett@cazapetro.com / 432-556-8508

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	



880-8754 Chain of Custody

Page _____ of _____

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Additional Comments:

of service. Xencro 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 Xencro. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xencro, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>Nick Hart</i>	<i>Johnnie F</i>	11/30/21 10:03 ²			
3		4			
5		6			

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-8754-1

SDG Number: Lea Co, NM

Login Number: 8754

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.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-9661-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Igloo Facility

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:
12/31/2021 11:56:11 AM

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

LINKS

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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: Igloo Facility

Laboratory Job ID: 880-9661-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
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)
TNTC	Too Numerous To Count

Case Narrative

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Job ID: 880-9661-1**Laboratory: Eurofins Xenco, Midland****Narrative****Job Narrative
880-9661-1****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: CS-5 (3') (880-9661-5), CS-7 (3') (880-9661-7), CS-12 (3') (880-9661-12) and CS-14 (3') (880-9661-14). 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 laboratory control sample (LCS) associated with preparation batch 880-15655 and analytical batch 880-15678 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-3 (3') (880-9661-3), CS-6 (3') (880-9661-6), CS-8 (3') (880-9661-8), CS-9 (3') (880-9661-9), CS-12 (3') (880-9661-12), CS-13 (3') (880-9661-13), CS-14 (3') (880-9661-14), SW-1 (880-9661-15), SW-3 (880-9661-17), SW-4 (880-9661-18) and SW-6 (880-9661-20). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Client Sample ID: CS-1 (3')

Lab Sample ID: 880-9661-1

Date Collected: 12/22/21 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		12/27/21 11:42	12/27/21 14:30	1
Toluene	<0.00199	U F1	0.00199		mg/Kg		12/27/21 11:42	12/27/21 14:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/21 11:42	12/27/21 14:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/21 11:42	12/27/21 14:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/21 11:42	12/27/21 14:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/21 11:42	12/27/21 14:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	12/27/21 11:42	12/27/21 14:30	1
1,4-Difluorobenzene (Surr)	108		70 - 130	12/27/21 11:42	12/27/21 14:30	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			12/28/21 10:59	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 08:30	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 13:39	12/29/21 11:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		12/28/21 13:39	12/29/21 11:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:39	12/29/21 11:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	12/28/21 13:39	12/29/21 11:12	1
o-Terphenyl	123		70 - 130	12/28/21 13:39	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	23.1		5.02		mg/Kg			12/30/21 09:43	1

Client Sample ID: CS-2 (3')

Lab Sample ID: 880-9661-2

Date Collected: 12/22/21 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		12/27/21 11:42	12/27/21 14:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 14:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 14:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/27/21 11:42	12/27/21 14:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 14:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/27/21 11:42	12/27/21 14:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	12/27/21 11:42	12/27/21 14:50	1
1,4-Difluorobenzene (Surr)	75		70 - 130	12/27/21 11:42	12/27/21 14:50	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Client Sample ID: CS-2 (3')

Lab Sample ID: 880-9661-2

Date Collected: 12/22/21 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			12/28/21 10:59	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 08:30	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 13:39	12/29/21 12:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		12/28/21 13:39	12/29/21 12:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:39	12/29/21 12:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				12/28/21 13:39	12/29/21 12:15	1
o-Terphenyl	127		70 - 130				12/28/21 13:39	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	9.59		5.05		mg/Kg			12/30/21 10:03	1

Client Sample ID: CS-3 (3')

Lab Sample ID: 880-9661-3

Date Collected: 12/22/21 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		12/27/21 11:42	12/27/21 15:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 15:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 15:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/21 11:42	12/27/21 15:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 15:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/27/21 11:42	12/27/21 15:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				12/27/21 11:42	12/27/21 15:11	1
1,4-Difluorobenzene (Surr)	108		70 - 130				12/27/21 11:42	12/27/21 15:11	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/28/21 10:59	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 08:30	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 13:39	12/29/21 12:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		12/28/21 13:39	12/29/21 12:36	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Client Sample ID: CS-3 (3')

Lab Sample ID: 880-9661-3

Date Collected: 12/22/21 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 13:39	12/29/21 12:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				12/28/21 13:39	12/29/21 12:36	1
o-Terphenyl	133	S1+	70 - 130				12/28/21 13:39	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	<4.97	U	4.97		mg/Kg			12/30/21 10:10	1

Client Sample ID: CS-4 (3')

Lab Sample ID: 880-9661-4

Date Collected: 12/22/21 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		12/27/21 11:42	12/27/21 15:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 15:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 15:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/27/21 11:42	12/27/21 15:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 15:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/27/21 11:42	12/27/21 15:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				12/27/21 11:42	12/27/21 15:31	1
1,4-Difluorobenzene (Surr)	109		70 - 130				12/27/21 11:42	12/27/21 15:31	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			12/28/21 10:59	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 08:30	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 13:39	12/29/21 12:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		12/28/21 13:39	12/29/21 12:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:39	12/29/21 12:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				12/28/21 13:39	12/29/21 12:57	1
o-Terphenyl	121		70 - 130				12/28/21 13:39	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	6.34		4.95		mg/Kg			12/30/21 10:16	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Client Sample ID: CS-5 (3')

Lab Sample ID: 880-9661-5

Date Collected: 12/22/21 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		12/27/21 11:42	12/27/21 15:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/27/21 11:42	12/27/21 15:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/27/21 11:42	12/27/21 15:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/27/21 11:42	12/27/21 15:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/27/21 11:42	12/27/21 15:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/27/21 11:42	12/27/21 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	12/27/21 11:42	12/27/21 15:52	1
1,4-Difluorobenzene (Surr)	79		70 - 130	12/27/21 11:42	12/27/21 15:52	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			12/28/21 10:59	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 08:30	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 13:39	12/29/21 13:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		12/28/21 13:39	12/29/21 13:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:39	12/29/21 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	12/28/21 13:39	12/29/21 13:18	1
o-Terphenyl	128		70 - 130	12/28/21 13:39	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	6.79		5.04		mg/Kg			12/30/21 10:24	1

Client Sample ID: CS-6 (3')

Lab Sample ID: 880-9661-6

Date Collected: 12/22/21 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		12/27/21 11:42	12/27/21 16:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/27/21 11:42	12/27/21 16:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/27/21 11:42	12/27/21 16:33	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/27/21 11:42	12/27/21 16:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/27/21 11:42	12/27/21 16:33	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/27/21 11:42	12/27/21 16:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	12/27/21 11:42	12/27/21 16:33	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/27/21 11:42	12/27/21 16:33	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Client Sample ID: CS-6 (3')

Lab Sample ID: 880-9661-6

Date Collected: 12/22/21 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			12/28/21 10:59	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 08:30	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 13:39	12/29/21 13:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		12/28/21 13:39	12/29/21 13:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:39	12/29/21 13:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				12/28/21 13:39	12/29/21 13:39	1
o-Terphenyl	145	S1+	70 - 130				12/28/21 13:39	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	7.14		4.99		mg/Kg			12/30/21 10:46	1

Client Sample ID: CS-7 (3')

Lab Sample ID: 880-9661-7

Date Collected: 12/22/21 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		12/27/21 11:42	12/27/21 16:53	1
Toluene	0.00250		0.00201		mg/Kg		12/27/21 11:42	12/27/21 16:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/27/21 11:42	12/27/21 16:53	1
m-Xylene & p-Xylene	0.00523		0.00402		mg/Kg		12/27/21 11:42	12/27/21 16:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/27/21 11:42	12/27/21 16:53	1
Xylenes, Total	0.00523		0.00402		mg/Kg		12/27/21 11:42	12/27/21 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	193	S1+	70 - 130				12/27/21 11:42	12/27/21 16:53	1
1,4-Difluorobenzene (Surr)	95		70 - 130				12/27/21 11:42	12/27/21 16:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00773		0.00402		mg/Kg			12/28/21 10:59	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 08:30	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 13:39	12/29/21 14:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		12/28/21 13:39	12/29/21 14:01	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Client Sample ID: CS-7 (3')

Lab Sample ID: 880-9661-7

Date Collected: 12/22/21 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 13:39	12/29/21 14:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				12/28/21 13:39	12/29/21 14:01	1
o-Terphenyl	116		70 - 130				12/28/21 13:39	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	5.03		4.98		mg/Kg			12/30/21 10:53	1

Client Sample ID: CS-8 (3')

Lab Sample ID: 880-9661-8

Date Collected: 12/22/21 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		12/27/21 11:42	12/27/21 17:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 17:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 17:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/21 11:42	12/27/21 17:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 17:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/27/21 11:42	12/27/21 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				12/27/21 11:42	12/27/21 17:14	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/27/21 11:42	12/27/21 17:14	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			12/28/21 10:59	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 08:30	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 13:39	12/29/21 14:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		12/28/21 13:39	12/29/21 14:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:39	12/29/21 14:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				12/28/21 13:39	12/29/21 14:22	1
o-Terphenyl	131	S1+	70 - 130				12/28/21 13:39	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	7.08		4.95		mg/Kg			12/30/21 11:01	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Client Sample ID: CS-9 (3')

Lab Sample ID: 880-9661-9

Date Collected: 12/22/21 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		12/27/21 11:42	12/27/21 17:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/21 11:42	12/27/21 17:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/21 11:42	12/27/21 17:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/21 11:42	12/27/21 17:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/21 11:42	12/27/21 17:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/21 11:42	12/27/21 17:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/27/21 11:42	12/27/21 17:34	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/27/21 11:42	12/27/21 17:34	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			12/28/21 10:59	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 08:30	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 13:39	12/29/21 14:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		12/28/21 13:39	12/29/21 14:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:39	12/29/21 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	12/28/21 13:39	12/29/21 14:43	1
o-Terphenyl	134	S1+	70 - 130	12/28/21 13:39	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	8.46		5.01		mg/Kg			12/30/21 11:08	1

Client Sample ID: CS-10 (3')

Lab Sample ID: 880-9661-10

Date Collected: 12/22/21 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		12/27/21 11:42	12/27/21 17:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 17:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 17:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/27/21 11:42	12/27/21 17:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 17:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/27/21 11:42	12/27/21 17:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	12/27/21 11:42	12/27/21 17:54	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/27/21 11:42	12/27/21 17:54	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Client Sample ID: CS-10 (3')

Lab Sample ID: 880-9661-10

Date Collected: 12/22/21 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			12/28/21 10:59	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 08:30	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 13:39	12/29/21 15:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		12/28/21 13:39	12/29/21 15:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:39	12/29/21 15:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				12/28/21 13:39	12/29/21 15:04	1
o-Terphenyl	126		70 - 130				12/28/21 13:39	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	6.66		4.98		mg/Kg			12/30/21 11:15	1

Client Sample ID: CS-11 (3')

Lab Sample ID: 880-9661-11

Date Collected: 12/22/21 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		12/27/21 11:42	12/27/21 19:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/21 11:42	12/27/21 19:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/21 11:42	12/27/21 19:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/21 11:42	12/27/21 19:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/21 11:42	12/27/21 19:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/21 11:42	12/27/21 19:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				12/27/21 11:42	12/27/21 19:17	1
1,4-Difluorobenzene (Surr)	89		70 - 130				12/27/21 11:42	12/27/21 19:17	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			12/28/21 10:59	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 08:30	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 13:39	12/29/21 15:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		12/28/21 13:39	12/29/21 15:45	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Client Sample ID: CS-11 (3')

Lab Sample ID: 880-9661-11

Date Collected: 12/22/21 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 13:39	12/29/21 15:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				12/28/21 13:39	12/29/21 15:45	1
o-Terphenyl	128		70 - 130				12/28/21 13:39	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	<4.99	U F1	4.99		mg/Kg			12/30/21 11:23	1

Client Sample ID: CS-12 (3')

Lab Sample ID: 880-9661-12

Date Collected: 12/22/21 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	0.00205		0.00199		mg/Kg		12/27/21 11:42	12/27/21 19:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/21 11:42	12/27/21 19:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/21 11:42	12/27/21 19:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/21 11:42	12/27/21 19:37	1
o-Xylene	0.00365		0.00199		mg/Kg		12/27/21 11:42	12/27/21 19:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/21 11:42	12/27/21 19:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130				12/27/21 11:42	12/27/21 19:37	1
1,4-Difluorobenzene (Surr)	116		70 - 130				12/27/21 11:42	12/27/21 19:37	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00570		0.00398		mg/Kg			12/28/21 10:59	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 08:30	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 13:39	12/29/21 16:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U *-	49.8		mg/Kg		12/28/21 13:39	12/29/21 16:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/28/21 13:39	12/29/21 16:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				12/28/21 13:39	12/29/21 16:06	1
o-Terphenyl	135	S1+	70 - 130				12/28/21 13:39	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	7.48		5.02		mg/Kg			12/30/21 11:47	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Client Sample ID: CS-13 (3')

Lab Sample ID: 880-9661-13

Date Collected: 12/22/21 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		12/27/21 11:42	12/27/21 19:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 19:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 19:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/27/21 11:42	12/27/21 19:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 19:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/27/21 11:42	12/27/21 19:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	12/27/21 11:42	12/27/21 19:58	1
1,4-Difluorobenzene (Surr)	109		70 - 130	12/27/21 11:42	12/27/21 19:58	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/28/21 10:59	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 08:30	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 13:39	12/29/21 16:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		12/28/21 13:39	12/29/21 16:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:39	12/29/21 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	12/28/21 13:39	12/29/21 16:27	1
o-Terphenyl	137	S1+	70 - 130	12/28/21 13:39	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	6.21		4.98		mg/Kg			12/30/21 11:55	1

Client Sample ID: CS-14 (3')

Lab Sample ID: 880-9661-14

Date Collected: 12/22/21 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	0.00531		0.00198		mg/Kg		12/27/21 11:42	12/27/21 20:18	1
Toluene	0.0101		0.00198		mg/Kg		12/27/21 11:42	12/27/21 20:18	1
Ethylbenzene	0.00383		0.00198		mg/Kg		12/27/21 11:42	12/27/21 20:18	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		12/27/21 11:42	12/27/21 20:18	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/27/21 11:42	12/27/21 20:18	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		12/27/21 11:42	12/27/21 20:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	12/27/21 11:42	12/27/21 20:18	1
1,4-Difluorobenzene (Surr)	44	S1-	70 - 130	12/27/21 11:42	12/27/21 20:18	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Client Sample ID: CS-14 (3')

Lab Sample ID: 880-9661-14

Date Collected: 12/22/21 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	0.0192		0.00397		mg/Kg			12/28/21 10:59	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 08:30	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 13:39	12/29/21 16:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		12/28/21 13:39	12/29/21 16:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:39	12/29/21 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				12/28/21 13:39	12/29/21 16:48	1
o-Terphenyl	151	S1+	70 - 130				12/28/21 13:39	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	<4.97	U	4.97		mg/Kg			12/30/21 13:16	1

Client Sample ID: SW-1

Lab Sample ID: 880-9661-15

Date Collected: 12/22/21 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		12/27/21 11:42	12/27/21 20:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/27/21 11:42	12/27/21 20:38	1
Ethylbenzene	0.00382		0.00201		mg/Kg		12/27/21 11:42	12/27/21 20:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/27/21 11:42	12/27/21 20:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/27/21 11:42	12/27/21 20:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/27/21 11:42	12/27/21 20:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				12/27/21 11:42	12/27/21 20:38	1
1,4-Difluorobenzene (Surr)	89		70 - 130				12/27/21 11:42	12/27/21 20:38	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			12/28/21 10:59	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 08:30	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 13:39	12/29/21 17:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		12/28/21 13:39	12/29/21 17:09	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Client Sample ID: SW-1

Lab Sample ID: 880-9661-15

Date Collected: 12/22/21 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 13:39	12/29/21 17:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				12/28/21 13:39	12/29/21 17:09	1
o-Terphenyl	141	S1+	70 - 130				12/28/21 13:39	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	<4.95	U	4.95		mg/Kg			12/30/21 13:24	1

Client Sample ID: SW-2

Lab Sample ID: 880-9661-16

Date Collected: 12/22/21 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		12/27/21 11:42	12/27/21 20:59	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/27/21 11:42	12/27/21 20:59	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/27/21 11:42	12/27/21 20:59	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/27/21 11:42	12/27/21 20:59	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/27/21 11:42	12/27/21 20:59	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/27/21 11:42	12/27/21 20:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130				12/27/21 11:42	12/27/21 20:59	1
1,4-Difluorobenzene (Surr)	116		70 - 130				12/27/21 11:42	12/27/21 20:59	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			12/28/21 10:59	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 08:30	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 13:39	12/29/21 17:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U *-	50.0		mg/Kg		12/28/21 13:39	12/29/21 17:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:39	12/29/21 17:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				12/28/21 13:39	12/29/21 17:30	1
o-Terphenyl	129		70 - 130				12/28/21 13:39	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	6.70		4.96		mg/Kg			12/30/21 13:32	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Client Sample ID: SW-3

Lab Sample ID: 880-9661-17

Date Collected: 12/22/21 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		12/27/21 11:42	12/27/21 21:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 21:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 21:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/21 11:42	12/27/21 21:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 21:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/27/21 11:42	12/27/21 21:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/27/21 11:42	12/27/21 21:19	1
1,4-Difluorobenzene (Surr)	77		70 - 130	12/27/21 11:42	12/27/21 21:19	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			12/28/21 10:59	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 08:30	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 13:39	12/29/21 17:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		12/28/21 13:39	12/29/21 17:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:39	12/29/21 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	12/28/21 13:39	12/29/21 17:51	1
o-Terphenyl	131	S1+	70 - 130	12/28/21 13:39	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	7.45		5.00		mg/Kg			12/30/21 13:40	1

Client Sample ID: SW-4

Lab Sample ID: 880-9661-18

Date Collected: 12/22/21 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		12/27/21 11:42	12/27/21 21:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/21 11:42	12/27/21 21:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/21 11:42	12/27/21 21:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/21 11:42	12/27/21 21:40	1
o-Xylene	0.00338		0.00199		mg/Kg		12/27/21 11:42	12/27/21 21:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/21 11:42	12/27/21 21:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	12/27/21 11:42	12/27/21 21:40	1
1,4-Difluorobenzene (Surr)	92		70 - 130	12/27/21 11:42	12/27/21 21:40	1

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Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Client Sample ID: SW-4

Lab Sample ID: 880-9661-18

Date Collected: 12/22/21 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 10:59	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 08:30	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 13:39	12/29/21 18:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		12/28/21 13:39	12/29/21 18:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:39	12/29/21 18:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				12/28/21 13:39	12/29/21 18:10	1
o-Terphenyl	133	S1+	70 - 130				12/28/21 13:39	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	<5.02	U F1	5.02		mg/Kg			12/29/21 09:08	1

Client Sample ID: SW-5

Lab Sample ID: 880-9661-19

Date Collected: 12/22/21 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		12/27/21 11:42	12/27/21 22:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 22:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 22:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/27/21 11:42	12/27/21 22:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 22:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/27/21 11:42	12/27/21 22:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				12/27/21 11:42	12/27/21 22:00	1
1,4-Difluorobenzene (Surr)	121		70 - 130				12/27/21 11:42	12/27/21 22:00	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 10:59	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 08:30	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 13:39	12/29/21 18:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		12/28/21 13:39	12/29/21 18:31	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Client Sample ID: SW-5

Lab Sample ID: 880-9661-19

Date Collected: 12/22/21 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 13:39	12/29/21 18:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				12/28/21 13:39	12/29/21 18:31	1
o-Terphenyl	127		70 - 130				12/28/21 13:39	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	<5.05	U	5.05		mg/Kg			12/29/21 09:34	1

Client Sample ID: SW-6

Lab Sample ID: 880-9661-20

Date Collected: 12/22/21 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		12/27/21 11:42	12/27/21 22:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/27/21 11:42	12/27/21 22:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/27/21 11:42	12/27/21 22:21	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/27/21 11:42	12/27/21 22:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/27/21 11:42	12/27/21 22:21	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/27/21 11:42	12/27/21 22:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				12/27/21 11:42	12/27/21 22:21	1
1,4-Difluorobenzene (Surr)	82		70 - 130				12/27/21 11:42	12/27/21 22:21	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			12/28/21 10:59	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 08:30	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 13:39	12/29/21 18:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		12/28/21 13:39	12/29/21 18:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:39	12/29/21 18:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				12/28/21 13:39	12/29/21 18:51	1
o-Terphenyl	137	S1+	70 - 130				12/28/21 13:39	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	<4.97	U	4.97		mg/Kg			12/29/21 09:41	1

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-9661-1	CS-1 (3')	127	108
880-9661-1 MS	CS-1 (3')	102	69 S1-
880-9661-1 MSD	CS-1 (3')	117	100
880-9661-2	CS-2 (3')	102	75
880-9661-3	CS-3 (3')	116	108
880-9661-4	CS-4 (3')	124	109
880-9661-5	CS-5 (3')	134 S1+	79
880-9661-6	CS-6 (3')	113	107
880-9661-7	CS-7 (3')	193 S1+	95
880-9661-8	CS-8 (3')	104	104
880-9661-9	CS-9 (3')	114	102
880-9661-10	CS-10 (3')	124	103
880-9661-11	CS-11 (3')	118	89
880-9661-12	CS-12 (3')	145 S1+	116
880-9661-13	CS-13 (3')	112	109
880-9661-14	CS-14 (3')	104	44 S1-
880-9661-15	SW-1	105	89
880-9661-16	SW-2	133 S1+	116
880-9661-17	SW-3	105	77
880-9661-18	SW-4	104	92
880-9661-19	SW-5	117	121
880-9661-20	SW-6	111	82
LCS 880-15572/1-A	Lab Control Sample	106	98
LCSD 880-15572/2-A	Lab Control Sample Dup	106	99
MB 880-15572/5-A	Method Blank	110	104

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)
880-9661-1	CS-1 (3')	100	123
880-9661-1 MS	CS-1 (3')	112	117
880-9661-1 MSD	CS-1 (3')	114	119
880-9661-2	CS-2 (3')	106	127
880-9661-3	CS-3 (3')	112	133 S1+
880-9661-4	CS-4 (3')	102	121
880-9661-5	CS-5 (3')	108	128
880-9661-6	CS-6 (3')	123	145 S1+
880-9661-7	CS-7 (3')	101	116
880-9661-8	CS-8 (3')	112	131 S1+
880-9661-9	CS-9 (3')	115	134 S1+
880-9661-10	CS-10 (3')	109	126
880-9661-11	CS-11 (3')	109	128
880-9661-12	CS-12 (3')	111	135 S1+

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
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)
880-9661-13	CS-13 (3')	117	137 S1+
880-9661-14	CS-14 (3')	128	151 S1+
880-9661-15	SW-1	121	141 S1+
880-9661-16	SW-2	111	129
880-9661-17	SW-3	112	131 S1+
880-9661-18	SW-4	115	133 S1+
880-9661-19	SW-5	112	127
880-9661-20	SW-6	120	137 S1+
LCS 880-15655/2-A	Lab Control Sample	94	103
LCSD 880-15655/3-A	Lab Control Sample Dup	94	104
MB 880-15655/1-A	Method Blank	97	119
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-15572/5-A

Matrix: Solid

Analysis Batch: 15548

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15572

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 14:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 14:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 14:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/21 11:42	12/27/21 14:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/21 11:42	12/27/21 14:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/27/21 11:42	12/27/21 14:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	12/27/21 11:42	12/27/21 14:08	1
1,4-Difluorobenzene (Surr)	104		70 - 130	12/27/21 11:42	12/27/21 14:08	1

Lab Sample ID: LCS 880-15572/1-A

Matrix: Solid

Analysis Batch: 15548

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15572

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07254		mg/Kg		73	70 - 130
Toluene	0.100	0.07321		mg/Kg		73	70 - 130
Ethylbenzene	0.100	0.07568		mg/Kg		76	70 - 130
m-Xylene & p-Xylene	0.200	0.1609		mg/Kg		80	70 - 130
o-Xylene	0.100	0.08006		mg/Kg		80	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-15572/2-A

Matrix: Solid

Analysis Batch: 15548

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 15572

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.07749		mg/Kg		77	70 - 130	7	35
Toluene	0.100	0.07660		mg/Kg		77	70 - 130	5	35
Ethylbenzene	0.100	0.08029		mg/Kg		80	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1664		mg/Kg		83	70 - 130	3	35
o-Xylene	0.100	0.08476		mg/Kg		85	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-9661-1 MS

Matrix: Solid

Analysis Batch: 15548

Client Sample ID: CS-1 (3')

Prep Type: Total/NA

Prep Batch: 15572

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.0998	0.07092		mg/Kg		71	70 - 130
Toluene	<0.00199	U F1	0.0998	0.06772	F1	mg/Kg		68	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-9661-1 MS

Matrix: Solid

Analysis Batch: 15548

Client Sample ID: CS-1 (3')

Prep Type: Total/NA

Prep Batch: 15572

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00199	U	0.0998	0.07580		mg/Kg		76	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1448		mg/Kg		73	70 - 130
o-Xylene	<0.00199	U	0.0998	0.07198		mg/Kg		72	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130

Lab Sample ID: 880-9661-1 MSD

Matrix: Solid

Analysis Batch: 15548

Client Sample ID: CS-1 (3')

Prep Type: Total/NA

Prep Batch: 15572

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.07324		mg/Kg		73	70 - 130	3	35
Toluene	<0.00199	U F1	0.101	0.07379		mg/Kg		73	70 - 130	9	35
Ethylbenzene	<0.00199	U	0.101	0.07457		mg/Kg		74	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1611		mg/Kg		80	70 - 130	11	35
o-Xylene	<0.00199	U	0.101	0.08251		mg/Kg		82	70 - 130	14	35

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

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

Lab Sample ID: MB 880-15655/1-A

Matrix: Solid

Analysis Batch: 15678

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15655

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 13:39	12/29/21 10:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 13:39	12/29/21 10:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:39	12/29/21 10:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	12/28/21 13:39	12/29/21 10:06	1
o-Terphenyl	119		70 - 130	12/28/21 13:39	12/29/21 10:06	1

Lab Sample ID: LCS 880-15655/2-A

Matrix: Solid

Analysis Batch: 15678

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15655

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	447.9	*-	mg/Kg		45	70 - 130
Diesel Range Organics (Over C10-C28)	1000	435.4	*-	mg/Kg		44	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-15655/2-A

Matrix: Solid

Analysis Batch: 15678

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15655

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: LCSD 880-15655/3-A

Matrix: Solid

Analysis Batch: 15678

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 15655

			Spike	LCSD	LCSD				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	452.5	*-	mg/Kg		45	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	449.1	*-	mg/Kg		45	70 - 130	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 880-9661-1 MS

Matrix: Solid

Analysis Batch: 15678

Client Sample ID: CS-1 (3')

Prep Type: Total/NA

Prep Batch: 15655

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	996	977.6		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U *-	996	982.0		mg/Kg		99	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	117		70 - 130

Lab Sample ID: 880-9661-1 MSD

Matrix: Solid

Analysis Batch: 15678

Client Sample ID: CS-1 (3')

Prep Type: Total/NA

Prep Batch: 15655

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	999	1175		mg/Kg		118	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	<49.9	U *-	999	1007		mg/Kg		101	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	119		70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-15399/1-A

Matrix: Solid

Analysis Batch: 15662

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			12/30/21 09:23	1

Lab Sample ID: LCS 880-15399/2-A

Matrix: Solid

Analysis Batch: 15662

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	271.6		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-15399/3-A

Matrix: Solid

Analysis Batch: 15662

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	274.7		mg/Kg		110	90 - 110	1	20

Lab Sample ID: 880-9661-1 MS

Matrix: Solid

Analysis Batch: 15662

Client Sample ID: CS-1 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	23.1		251	289.0		mg/Kg		106	90 - 110

Lab Sample ID: 880-9661-1 MSD

Matrix: Solid

Analysis Batch: 15662

Client Sample ID: CS-1 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	23.1		251	288.5		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-9661-11 MS

Matrix: Solid

Analysis Batch: 15662

Client Sample ID: CS-11 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	<4.99	U F1	250	280.6	F1	mg/Kg		112	90 - 110

Lab Sample ID: 880-9661-11 MSD

Matrix: Solid

Analysis Batch: 15662

Client Sample ID: CS-11 (3')

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	278.0	F1	mg/Kg		111	90 - 110	1	20

Lab Sample ID: MB 880-15400/1-A

Matrix: Solid

Analysis Batch: 15682

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 08:23	1

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-15400/2-A

Matrix: Solid

Analysis Batch: 15682

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	244.3		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-15400/3-A

Matrix: Solid

Analysis Batch: 15682

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	244.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-9661-18 MS

Matrix: Solid

Analysis Batch: 15682

Client Sample ID: SW-4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	<5.02	U F1	251	230.8		mg/Kg		91	90 - 110

Lab Sample ID: 880-9661-18 MSD

Matrix: Solid

Analysis Batch: 15682

Client Sample ID: SW-4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<5.02	U F1	251	217.0	F1	mg/Kg		86	90 - 110	6	20

QC Association Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 15548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9661-1	CS-1 (3')	Total/NA	Solid	8021B	15572
880-9661-2	CS-2 (3')	Total/NA	Solid	8021B	15572
880-9661-3	CS-3 (3')	Total/NA	Solid	8021B	15572
880-9661-4	CS-4 (3')	Total/NA	Solid	8021B	15572
880-9661-5	CS-5 (3')	Total/NA	Solid	8021B	15572
880-9661-6	CS-6 (3')	Total/NA	Solid	8021B	15572
880-9661-7	CS-7 (3')	Total/NA	Solid	8021B	15572
880-9661-8	CS-8 (3')	Total/NA	Solid	8021B	15572
880-9661-9	CS-9 (3')	Total/NA	Solid	8021B	15572
880-9661-10	CS-10 (3')	Total/NA	Solid	8021B	15572
880-9661-11	CS-11 (3')	Total/NA	Solid	8021B	15572
880-9661-12	CS-12 (3')	Total/NA	Solid	8021B	15572
880-9661-13	CS-13 (3')	Total/NA	Solid	8021B	15572
880-9661-14	CS-14 (3')	Total/NA	Solid	8021B	15572
880-9661-15	SW-1	Total/NA	Solid	8021B	15572
880-9661-16	SW-2	Total/NA	Solid	8021B	15572
880-9661-17	SW-3	Total/NA	Solid	8021B	15572
880-9661-18	SW-4	Total/NA	Solid	8021B	15572
880-9661-19	SW-5	Total/NA	Solid	8021B	15572
880-9661-20	SW-6	Total/NA	Solid	8021B	15572
MB 880-15572/5-A	Method Blank	Total/NA	Solid	8021B	15572
LCS 880-15572/1-A	Lab Control Sample	Total/NA	Solid	8021B	15572
LCSD 880-15572/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	15572
880-9661-1 MS	CS-1 (3')	Total/NA	Solid	8021B	15572
880-9661-1 MSD	CS-1 (3')	Total/NA	Solid	8021B	15572

Prep Batch: 15572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9661-1	CS-1 (3')	Total/NA	Solid	5035	
880-9661-2	CS-2 (3')	Total/NA	Solid	5035	
880-9661-3	CS-3 (3')	Total/NA	Solid	5035	
880-9661-4	CS-4 (3')	Total/NA	Solid	5035	
880-9661-5	CS-5 (3')	Total/NA	Solid	5035	
880-9661-6	CS-6 (3')	Total/NA	Solid	5035	
880-9661-7	CS-7 (3')	Total/NA	Solid	5035	
880-9661-8	CS-8 (3')	Total/NA	Solid	5035	
880-9661-9	CS-9 (3')	Total/NA	Solid	5035	
880-9661-10	CS-10 (3')	Total/NA	Solid	5035	
880-9661-11	CS-11 (3')	Total/NA	Solid	5035	
880-9661-12	CS-12 (3')	Total/NA	Solid	5035	
880-9661-13	CS-13 (3')	Total/NA	Solid	5035	
880-9661-14	CS-14 (3')	Total/NA	Solid	5035	
880-9661-15	SW-1	Total/NA	Solid	5035	
880-9661-16	SW-2	Total/NA	Solid	5035	
880-9661-17	SW-3	Total/NA	Solid	5035	
880-9661-18	SW-4	Total/NA	Solid	5035	
880-9661-19	SW-5	Total/NA	Solid	5035	
880-9661-20	SW-6	Total/NA	Solid	5035	
MB 880-15572/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-15572/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-15572/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

GC VOA (Continued)

Prep Batch: 15572 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9661-1 MS	CS-1 (3')	Total/NA	Solid	5035	
880-9661-1 MSD	CS-1 (3')	Total/NA	Solid	5035	

Analysis Batch: 15637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9661-1	CS-1 (3')	Total/NA	Solid	Total BTEX	
880-9661-2	CS-2 (3')	Total/NA	Solid	Total BTEX	
880-9661-3	CS-3 (3')	Total/NA	Solid	Total BTEX	
880-9661-4	CS-4 (3')	Total/NA	Solid	Total BTEX	
880-9661-5	CS-5 (3')	Total/NA	Solid	Total BTEX	
880-9661-6	CS-6 (3')	Total/NA	Solid	Total BTEX	
880-9661-7	CS-7 (3')	Total/NA	Solid	Total BTEX	
880-9661-8	CS-8 (3')	Total/NA	Solid	Total BTEX	
880-9661-9	CS-9 (3')	Total/NA	Solid	Total BTEX	
880-9661-10	CS-10 (3')	Total/NA	Solid	Total BTEX	
880-9661-11	CS-11 (3')	Total/NA	Solid	Total BTEX	
880-9661-12	CS-12 (3')	Total/NA	Solid	Total BTEX	
880-9661-13	CS-13 (3')	Total/NA	Solid	Total BTEX	
880-9661-14	CS-14 (3')	Total/NA	Solid	Total BTEX	
880-9661-15	SW-1	Total/NA	Solid	Total BTEX	
880-9661-16	SW-2	Total/NA	Solid	Total BTEX	
880-9661-17	SW-3	Total/NA	Solid	Total BTEX	
880-9661-18	SW-4	Total/NA	Solid	Total BTEX	
880-9661-19	SW-5	Total/NA	Solid	Total BTEX	
880-9661-20	SW-6	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 15655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9661-1	CS-1 (3')	Total/NA	Solid	8015NM Prep	
880-9661-2	CS-2 (3')	Total/NA	Solid	8015NM Prep	
880-9661-3	CS-3 (3')	Total/NA	Solid	8015NM Prep	
880-9661-4	CS-4 (3')	Total/NA	Solid	8015NM Prep	
880-9661-5	CS-5 (3')	Total/NA	Solid	8015NM Prep	
880-9661-6	CS-6 (3')	Total/NA	Solid	8015NM Prep	
880-9661-7	CS-7 (3')	Total/NA	Solid	8015NM Prep	
880-9661-8	CS-8 (3')	Total/NA	Solid	8015NM Prep	
880-9661-9	CS-9 (3')	Total/NA	Solid	8015NM Prep	
880-9661-10	CS-10 (3')	Total/NA	Solid	8015NM Prep	
880-9661-11	CS-11 (3')	Total/NA	Solid	8015NM Prep	
880-9661-12	CS-12 (3')	Total/NA	Solid	8015NM Prep	
880-9661-13	CS-13 (3')	Total/NA	Solid	8015NM Prep	
880-9661-14	CS-14 (3')	Total/NA	Solid	8015NM Prep	
880-9661-15	SW-1	Total/NA	Solid	8015NM Prep	
880-9661-16	SW-2	Total/NA	Solid	8015NM Prep	
880-9661-17	SW-3	Total/NA	Solid	8015NM Prep	
880-9661-18	SW-4	Total/NA	Solid	8015NM Prep	
880-9661-19	SW-5	Total/NA	Solid	8015NM Prep	
880-9661-20	SW-6	Total/NA	Solid	8015NM Prep	
MB 880-15655/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 15655 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-15655/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-15655/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-9661-1 MS	CS-1 (3')	Total/NA	Solid	8015NM Prep	
880-9661-1 MSD	CS-1 (3')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 15678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9661-1	CS-1 (3')	Total/NA	Solid	8015B NM	15655
880-9661-2	CS-2 (3')	Total/NA	Solid	8015B NM	15655
880-9661-3	CS-3 (3')	Total/NA	Solid	8015B NM	15655
880-9661-4	CS-4 (3')	Total/NA	Solid	8015B NM	15655
880-9661-5	CS-5 (3')	Total/NA	Solid	8015B NM	15655
880-9661-6	CS-6 (3')	Total/NA	Solid	8015B NM	15655
880-9661-7	CS-7 (3')	Total/NA	Solid	8015B NM	15655
880-9661-8	CS-8 (3')	Total/NA	Solid	8015B NM	15655
880-9661-9	CS-9 (3')	Total/NA	Solid	8015B NM	15655
880-9661-10	CS-10 (3')	Total/NA	Solid	8015B NM	15655
880-9661-11	CS-11 (3')	Total/NA	Solid	8015B NM	15655
880-9661-12	CS-12 (3')	Total/NA	Solid	8015B NM	15655
880-9661-13	CS-13 (3')	Total/NA	Solid	8015B NM	15655
880-9661-14	CS-14 (3')	Total/NA	Solid	8015B NM	15655
880-9661-15	SW-1	Total/NA	Solid	8015B NM	15655
880-9661-16	SW-2	Total/NA	Solid	8015B NM	15655
880-9661-17	SW-3	Total/NA	Solid	8015B NM	15655
880-9661-18	SW-4	Total/NA	Solid	8015B NM	15655
880-9661-19	SW-5	Total/NA	Solid	8015B NM	15655
880-9661-20	SW-6	Total/NA	Solid	8015B NM	15655
MB 880-15655/1-A	Method Blank	Total/NA	Solid	8015B NM	15655
LCS 880-15655/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	15655
LCSD 880-15655/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	15655
880-9661-1 MS	CS-1 (3')	Total/NA	Solid	8015B NM	15655
880-9661-1 MSD	CS-1 (3')	Total/NA	Solid	8015B NM	15655

Analysis Batch: 15767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9661-1	CS-1 (3')	Total/NA	Solid	8015 NM	
880-9661-2	CS-2 (3')	Total/NA	Solid	8015 NM	
880-9661-3	CS-3 (3')	Total/NA	Solid	8015 NM	
880-9661-4	CS-4 (3')	Total/NA	Solid	8015 NM	
880-9661-5	CS-5 (3')	Total/NA	Solid	8015 NM	
880-9661-6	CS-6 (3')	Total/NA	Solid	8015 NM	
880-9661-7	CS-7 (3')	Total/NA	Solid	8015 NM	
880-9661-8	CS-8 (3')	Total/NA	Solid	8015 NM	
880-9661-9	CS-9 (3')	Total/NA	Solid	8015 NM	
880-9661-10	CS-10 (3')	Total/NA	Solid	8015 NM	
880-9661-11	CS-11 (3')	Total/NA	Solid	8015 NM	
880-9661-12	CS-12 (3')	Total/NA	Solid	8015 NM	
880-9661-13	CS-13 (3')	Total/NA	Solid	8015 NM	
880-9661-14	CS-14 (3')	Total/NA	Solid	8015 NM	
880-9661-15	SW-1	Total/NA	Solid	8015 NM	
880-9661-16	SW-2	Total/NA	Solid	8015 NM	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 15767 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9661-17	SW-3	Total/NA	Solid	8015 NM	
880-9661-18	SW-4	Total/NA	Solid	8015 NM	
880-9661-19	SW-5	Total/NA	Solid	8015 NM	
880-9661-20	SW-6	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 15399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9661-1	CS-1 (3')	Soluble	Solid	DI Leach	
880-9661-2	CS-2 (3')	Soluble	Solid	DI Leach	
880-9661-3	CS-3 (3')	Soluble	Solid	DI Leach	
880-9661-4	CS-4 (3')	Soluble	Solid	DI Leach	
880-9661-5	CS-5 (3')	Soluble	Solid	DI Leach	
880-9661-6	CS-6 (3')	Soluble	Solid	DI Leach	
880-9661-7	CS-7 (3')	Soluble	Solid	DI Leach	
880-9661-8	CS-8 (3')	Soluble	Solid	DI Leach	
880-9661-9	CS-9 (3')	Soluble	Solid	DI Leach	
880-9661-10	CS-10 (3')	Soluble	Solid	DI Leach	
880-9661-11	CS-11 (3')	Soluble	Solid	DI Leach	
880-9661-12	CS-12 (3')	Soluble	Solid	DI Leach	
880-9661-13	CS-13 (3')	Soluble	Solid	DI Leach	
880-9661-14	CS-14 (3')	Soluble	Solid	DI Leach	
880-9661-15	SW-1	Soluble	Solid	DI Leach	
880-9661-16	SW-2	Soluble	Solid	DI Leach	
880-9661-17	SW-3	Soluble	Solid	DI Leach	
MB 880-15399/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-15399/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-15399/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9661-1 MS	CS-1 (3')	Soluble	Solid	DI Leach	
880-9661-1 MSD	CS-1 (3')	Soluble	Solid	DI Leach	
880-9661-11 MS	CS-11 (3')	Soluble	Solid	DI Leach	
880-9661-11 MSD	CS-11 (3')	Soluble	Solid	DI Leach	

Leach Batch: 15400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9661-18	SW-4	Soluble	Solid	DI Leach	
880-9661-19	SW-5	Soluble	Solid	DI Leach	
880-9661-20	SW-6	Soluble	Solid	DI Leach	
MB 880-15400/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-15400/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-15400/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9661-18 MS	SW-4	Soluble	Solid	DI Leach	
880-9661-18 MSD	SW-4	Soluble	Solid	DI Leach	

Analysis Batch: 15662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9661-1	CS-1 (3')	Soluble	Solid	300.0	15399
880-9661-2	CS-2 (3')	Soluble	Solid	300.0	15399
880-9661-3	CS-3 (3')	Soluble	Solid	300.0	15399
880-9661-4	CS-4 (3')	Soluble	Solid	300.0	15399

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 15662 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9661-5	CS-5 (3')	Soluble	Solid	300.0	15399
880-9661-6	CS-6 (3')	Soluble	Solid	300.0	15399
880-9661-7	CS-7 (3')	Soluble	Solid	300.0	15399
880-9661-8	CS-8 (3')	Soluble	Solid	300.0	15399
880-9661-9	CS-9 (3')	Soluble	Solid	300.0	15399
880-9661-10	CS-10 (3')	Soluble	Solid	300.0	15399
880-9661-11	CS-11 (3')	Soluble	Solid	300.0	15399
880-9661-12	CS-12 (3')	Soluble	Solid	300.0	15399
880-9661-13	CS-13 (3')	Soluble	Solid	300.0	15399
880-9661-14	CS-14 (3')	Soluble	Solid	300.0	15399
880-9661-15	SW-1	Soluble	Solid	300.0	15399
880-9661-16	SW-2	Soluble	Solid	300.0	15399
880-9661-17	SW-3	Soluble	Solid	300.0	15399
MB 880-15399/1-A	Method Blank	Soluble	Solid	300.0	15399
LCS 880-15399/2-A	Lab Control Sample	Soluble	Solid	300.0	15399
LCSD 880-15399/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	15399
880-9661-1 MS	CS-1 (3')	Soluble	Solid	300.0	15399
880-9661-1 MSD	CS-1 (3')	Soluble	Solid	300.0	15399
880-9661-11 MS	CS-11 (3')	Soluble	Solid	300.0	15399
880-9661-11 MSD	CS-11 (3')	Soluble	Solid	300.0	15399

Analysis Batch: 15682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9661-18	SW-4	Soluble	Solid	300.0	15400
880-9661-19	SW-5	Soluble	Solid	300.0	15400
880-9661-20	SW-6	Soluble	Solid	300.0	15400
MB 880-15400/1-A	Method Blank	Soluble	Solid	300.0	15400
LCS 880-15400/2-A	Lab Control Sample	Soluble	Solid	300.0	15400
LCSD 880-15400/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	15400
880-9661-18 MS	SW-4	Soluble	Solid	300.0	15400
880-9661-18 MSD	SW-4	Soluble	Solid	300.0	15400

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Client Sample ID: CS-1 (3')

Lab Sample ID: 880-9661-1

Date Collected: 12/22/21 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	15572	12/27/21 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15548	12/27/21 14:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15637	12/28/21 10:59	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15767	12/30/21 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15655	12/28/21 13:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15678	12/29/21 11:12	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	15399	12/22/21 17:30	CA	XEN MID
Soluble	Analysis	300.0		1			15662	12/30/21 09:43	CH	XEN MID

Client Sample ID: CS-2 (3')

Lab Sample ID: 880-9661-2

Date Collected: 12/22/21 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	15572	12/27/21 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15548	12/27/21 14:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15637	12/28/21 10:59	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15767	12/30/21 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15655	12/28/21 13:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15678	12/29/21 12:15	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	15399	12/22/21 17:30	CA	XEN MID
Soluble	Analysis	300.0		1			15662	12/30/21 10:03	CH	XEN MID

Client Sample ID: CS-3 (3')

Lab Sample ID: 880-9661-3

Date Collected: 12/22/21 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	15572	12/27/21 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15548	12/27/21 15:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15637	12/28/21 10:59	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15767	12/30/21 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15655	12/28/21 13:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15678	12/29/21 12:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	15399	12/22/21 17:30	CA	XEN MID
Soluble	Analysis	300.0		1			15662	12/30/21 10:10	CH	XEN MID

Client Sample ID: CS-4 (3')

Lab Sample ID: 880-9661-4

Date Collected: 12/22/21 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	15572	12/27/21 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15548	12/27/21 15:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15637	12/28/21 10:59	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Client Sample ID: CS-4 (3')

Lab Sample ID: 880-9661-4

Date Collected: 12/22/21 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			15767	12/30/21 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15655	12/28/21 13:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15678	12/29/21 12:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	15399	12/22/21 17:30	CA	XEN MID
Soluble	Analysis	300.0		1			15662	12/30/21 10:16	CH	XEN MID

Client Sample ID: CS-5 (3')

Lab Sample ID: 880-9661-5

Date Collected: 12/22/21 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	15572	12/27/21 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15548	12/27/21 15:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15637	12/28/21 10:59	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15767	12/30/21 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15655	12/28/21 13:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15678	12/29/21 13:18	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	15399	12/22/21 17:30	CA	XEN MID
Soluble	Analysis	300.0		1			15662	12/30/21 10:24	CH	XEN MID

Client Sample ID: CS-6 (3')

Lab Sample ID: 880-9661-6

Date Collected: 12/22/21 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	15572	12/27/21 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15548	12/27/21 16:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15637	12/28/21 10:59	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15767	12/30/21 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15655	12/28/21 13:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15678	12/29/21 13:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	15399	12/22/21 17:30	CA	XEN MID
Soluble	Analysis	300.0		1			15662	12/30/21 10:46	CH	XEN MID

Client Sample ID: CS-7 (3')

Lab Sample ID: 880-9661-7

Date Collected: 12/22/21 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	15572	12/27/21 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15548	12/27/21 16:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15637	12/28/21 10:59	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15767	12/30/21 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15655	12/28/21 13:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15678	12/29/21 14:01	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Client Sample ID: CS-7 (3')

Lab Sample ID: 880-9661-7

Date Collected: 12/22/21 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			5.02 g	50 mL	15399	12/22/21 17:30	CA	XEN MID
Soluble	Analysis	300.0		1			15662	12/30/21 10:53	CH	XEN MID

Client Sample ID: CS-8 (3')

Lab Sample ID: 880-9661-8

Date Collected: 12/22/21 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	15572	12/27/21 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15548	12/27/21 17:14	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15637	12/28/21 10:59	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15767	12/30/21 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15655	12/28/21 13:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15678	12/29/21 14:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	15399	12/22/21 17:30	CA	XEN MID
Soluble	Analysis	300.0		1			15662	12/30/21 11:01	CH	XEN MID

Client Sample ID: CS-9 (3')

Lab Sample ID: 880-9661-9

Date Collected: 12/22/21 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	15572	12/27/21 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15548	12/27/21 17:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15637	12/28/21 10:59	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15767	12/30/21 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15655	12/28/21 13:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15678	12/29/21 14:43	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	15399	12/22/21 17:30	CA	XEN MID
Soluble	Analysis	300.0		1			15662	12/30/21 11:08	CH	XEN MID

Client Sample ID: CS-10 (3')

Lab Sample ID: 880-9661-10

Date Collected: 12/22/21 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	15572	12/27/21 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15548	12/27/21 17:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15637	12/28/21 10:59	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15767	12/30/21 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15655	12/28/21 13:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15678	12/29/21 15:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	15399	12/22/21 17:30	CA	XEN MID
Soluble	Analysis	300.0		1			15662	12/30/21 11:15	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Client Sample ID: CS-11 (3')

Lab Sample ID: 880-9661-11

Date Collected: 12/22/21 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	15572	12/27/21 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15548	12/27/21 19:17	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15637	12/28/21 10:59	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15767	12/30/21 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15655	12/28/21 13:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15678	12/29/21 15:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	15399	12/22/21 17:30	CA	XEN MID
Soluble	Analysis	300.0		1			15662	12/30/21 11:23	CH	XEN MID

Client Sample ID: CS-12 (3')

Lab Sample ID: 880-9661-12

Date Collected: 12/22/21 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	15572	12/27/21 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15548	12/27/21 19:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15637	12/28/21 10:59	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15767	12/30/21 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	15655	12/28/21 13:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15678	12/29/21 16:06	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	15399	12/22/21 17:30	CA	XEN MID
Soluble	Analysis	300.0		1			15662	12/30/21 11:47	CH	XEN MID

Client Sample ID: CS-13 (3')

Lab Sample ID: 880-9661-13

Date Collected: 12/22/21 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	15572	12/27/21 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15548	12/27/21 19:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15637	12/28/21 10:59	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15767	12/30/21 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15655	12/28/21 13:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15678	12/29/21 16:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	15399	12/22/21 17:30	CA	XEN MID
Soluble	Analysis	300.0		1			15662	12/30/21 11:55	CH	XEN MID

Client Sample ID: CS-14 (3')

Lab Sample ID: 880-9661-14

Date Collected: 12/22/21 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	15572	12/27/21 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15548	12/27/21 20:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15637	12/28/21 10:59	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Client Sample ID: CS-14 (3")

Lab Sample ID: 880-9661-14

Date Collected: 12/22/21 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			15767	12/30/21 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15655	12/28/21 13:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15678	12/29/21 16:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	15399	12/22/21 17:30	CA	XEN MID
Soluble	Analysis	300.0		1			15662	12/30/21 13:16	CH	XEN MID

Client Sample ID: SW-1

Lab Sample ID: 880-9661-15

Date Collected: 12/22/21 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	15572	12/27/21 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15548	12/27/21 20:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15637	12/28/21 10:59	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15767	12/30/21 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15655	12/28/21 13:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15678	12/29/21 17:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	15399	12/22/21 17:30	CA	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	15662	12/30/21 13:24	CH	XEN MID

Client Sample ID: SW-2

Lab Sample ID: 880-9661-16

Date Collected: 12/22/21 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			5.05 g	5 mL	15572	12/27/21 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15548	12/27/21 20:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15637	12/28/21 10:59	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15767	12/30/21 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15655	12/28/21 13:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15678	12/29/21 17:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	15399	12/22/21 17:30	CA	XEN MID
Soluble	Analysis	300.0		1			15662	12/30/21 13:32	CH	XEN MID

Client Sample ID: SW-3

Lab Sample ID: 880-9661-17

Date Collected: 12/22/21 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	15572	12/27/21 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15548	12/27/21 21:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15637	12/28/21 10:59	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15767	12/30/21 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15655	12/28/21 13:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15678	12/29/21 17:51	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Client Sample ID: SW-3

Lab Sample ID: 880-9661-17

Date Collected: 12/22/21 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 g	50 mL	15399	12/22/21 17:30	CA	XEN MID
Soluble	Analysis	300.0		1			15662	12/30/21 13:40	CH	XEN MID

Client Sample ID: SW-4

Lab Sample ID: 880-9661-18

Date Collected: 12/22/21 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	15572	12/27/21 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15548	12/27/21 21:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15637	12/28/21 10:59	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15767	12/30/21 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15655	12/28/21 13:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15678	12/29/21 18:10	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	15400	12/22/21 17:33	CA	XEN MID
Soluble	Analysis	300.0		1			15682	12/29/21 09:08	CH	XEN MID

Client Sample ID: SW-5

Lab Sample ID: 880-9661-19

Date Collected: 12/22/21 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	15572	12/27/21 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15548	12/27/21 22:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15637	12/28/21 10:59	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15767	12/30/21 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15655	12/28/21 13:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15678	12/29/21 18:31	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	15400	12/22/21 17:33	CA	XEN MID
Soluble	Analysis	300.0		1			15682	12/29/21 09:34	CH	XEN MID

Client Sample ID: SW-6

Lab Sample ID: 880-9661-20

Date Collected: 12/22/21 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			5.05 g	5 mL	15572	12/27/21 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15548	12/27/21 22:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15637	12/28/21 10:59	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15767	12/30/21 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15655	12/28/21 13:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15678	12/29/21 18:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	15400	12/22/21 17:33	CA	XEN MID
Soluble	Analysis	300.0		1			15682	12/29/21 09:41	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

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: Igloo Facility

Job ID: 880-9661-1
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: Igloo Facility

Job ID: 880-9661-1
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

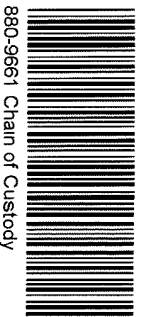
Client: NT Global
Project/Site: Igloo Facility

Job ID: 880-9661-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-9661-1	CS-1 (3')	Solid	12/22/21 00:00	12/22/21 15:31
880-9661-2	CS-2 (3')	Solid	12/22/21 00:00	12/22/21 15:31
880-9661-3	CS-3 (3')	Solid	12/22/21 00:00	12/22/21 15:31
880-9661-4	CS-4 (3')	Solid	12/22/21 00:00	12/22/21 15:31
880-9661-5	CS-5 (3')	Solid	12/22/21 00:00	12/22/21 15:31
880-9661-6	CS-6 (3')	Solid	12/22/21 00:00	12/22/21 15:31
880-9661-7	CS-7 (3')	Solid	12/22/21 00:00	12/22/21 15:31
880-9661-8	CS-8 (3')	Solid	12/22/21 00:00	12/22/21 15:31
880-9661-9	CS-9 (3')	Solid	12/22/21 00:00	12/22/21 15:31
880-9661-10	CS-10 (3')	Solid	12/22/21 00:00	12/22/21 15:31
880-9661-11	CS-11 (3')	Solid	12/22/21 00:00	12/22/21 15:31
880-9661-12	CS-12 (3')	Solid	12/22/21 00:00	12/22/21 15:31
880-9661-13	CS-13 (3')	Solid	12/22/21 00:00	12/22/21 15:31
880-9661-14	CS-14 (3')	Solid	12/22/21 00:00	12/22/21 15:31
880-9661-15	SW-1	Solid	12/22/21 00:00	12/22/21 15:31
880-9661-16	SW-2	Solid	12/22/21 00:00	12/22/21 15:31
880-9661-17	SW-3	Solid	12/22/21 00:00	12/22/21 15:31
880-9661-18	SW-4	Solid	12/22/21 00:00	12/22/21 15:31
880-9661-19	SW-5	Solid	12/22/21 00:00	12/22/21 15:31
880-9661-20	SW-6	Solid	12/22/21 00:00	12/22/21 15:31



Chain of Custody



880-9661 Chain of Custody

Page 1 of 2

Project Manager	Conner Moehring	Bill to: (if different)	Kevin Garrett
Company Name	NTG Environmental	Company Name	Caza Operating LLC
Address	701 Tradewinds Blvd	Address	200 N Loraine, STE 1550
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland, TX 79701
Phone	432-582-7193	Email	Kgarrett@cazapetro.com / 432-556-8508

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	Iqloo Facility	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number	214896	☒ Routine	☐ Rush														None NO		DI Water H ₂ O	
Project Location	Lea Co. NM	Due Date															Cool Cool		MeOH Me	
Sampler's Name	CRM	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 In tact	Yes (No)	Thermometer ID	Yes (No)															NaHSO ₄ NABIS		
Cooler Custody Seals	Yes (No)	Correction Factor	Yes (No)															Na ₂ S ₂ O ₃ NaSO ₃		
Sample Custody Seals	Yes (No)	Temperature Reading	Yes (No)															Zn Acetate+NaOH Zn		
Total Containers	Yes (No)	Corrected Temperature	Yes (No)															NaOH+Ascorbic Acid SAPC		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments	
CS-1 (3)	12/22/2021	-	X	-	C	1	X	X	X											
CS-2 (3)	12/22/2021	-	X	-	C	1	X	X	X											
CS-3 (3)	12/22/2021	-	X	-	C	1	X	X	X											
CS-4 (3)	12/22/2021	-	X	-	C	1	X	X	X											
CS-5 (3)	12/22/2021	-	X	-	C	1	X	X	X											
CS-6 (3)	12/22/2021	-	X	-	C	1	X	X	X											
CS-7 (3)	12/22/2021	-	X	-	C	1	X	X	X											
CS-8 (3)	12/22/2021	-	X	-	C	1	X	X	X											
CS-9 (3)	12/22/2021	-	X	-	C	1	X	X	X											
CS-10 (3)	12/22/2021	-	X	-	C	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>Conner Moehring</i>	<i>Kevin Garrett</i>	12/22/21 15:31			



Chain of Custody

Work Order No: 9461

Page 2 of 2

Project Manager	Conner Moehring	Bill to: (if different)	Kevin Garrett
Company Name	NTG Environmental	Company Name	Caiza Operating LLC
Address	701 Tradewinds Blvd	Address	200 N Loraine, STE 1650
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland TX 79701
Phone	432-582-7193	Email	Kgarrett@cazapetro.com / 432-556-8508

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	Igloo Facility	Turn Around	Pres. Code	ANALYSIS REQUEST										Preservative Codes				
Project Number	214896	☒ Routine ☐ Rush												None NO	DI Water H ₂ O			
Project Location	Lea Co. NM	Due Date												Cool Cool	MeOH Me			
Sampler's Name	CRM	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:	IR28											NaHSO ₄ NABIS				
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:	0.10											Na ₂ S ₂ O ₃ NaSO ₃				
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading	5.8											Zn Acetate+NaOH Zn				
Total Containers		Corrected Temperature:	5.9											NaOH+Ascorbic Acid SAPC				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
CS-11 (3')	12/22/2021	-	X	-	C	1	X	X	X									
CS-12 (3')	12/22/2021	-	X	-	C	1	X	X	X									
CS-13 (3')	12/22/2021	-	X	-	C	1	X	X	X									
CS-14 (3')	12/22/2021	-	X	-	C	1	X	X	X									
SW-1	12/22/2021	-	X	-	C	1	X	X	X									
SW-2	12/22/2021	-	X	-	C	1	X	X	X									
SW-3	12/22/2021	-	X	-	C	1	X	X	X									
SW-4	12/22/2021	-	X	-	C	1	X	X	X									
SW-5	12/22/2021	-	X	-	C	1	X	X	X									
SW-6	12/22/2021	-	X	-	C	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>Conner Moehring</i>	<i>Kevin Garrett</i>	12/22/21 15:31			2
					4
					6

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-9661-1

SDG Number: Lea Co, NM

Login Number: 9661

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 71188

CONDITIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 71188
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	2/1/2022