State of New Mexico
Oil Conservation Division

Incident ID	nAPP2135151141
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: Cato Clark Title: Vice President Land

Signature: Date: 11/21/22

email: clark@catenares.com Telephone: 346-200-7894

OCD Only

Received by: Date:

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: Jennifer Nobui Date: 12/19/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

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

November 11, 2022

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

Re: **Remedial Action and Closure Report**
Ironhouse 24 State Com #2
Catena Resources, LLC
Site Location: Unit O, S24, T18S, R34E
(Lat 32.7266388°, Long -103.5118179°)
Lea County, New Mexico
Incident # nAPP2135151141

Dear Mr. Bratcher:

On behalf of Catena Resources, LLC (Catena), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment activities related to a release at the Ironhouse 24 State Com #2 location (Site) on November 15, 2019. The Site is located in Lea County approximately 22.5 miles west of Hobbs, New Mexico (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 15, 2019 and was a result of equipment failure at the wellhead. The equipment failure resulted in the release of approximately 6 barrels (bbls) of crude oil and 8 bbls of produced water of which 0 bbls were recovered.

Site Characterization

The site is located within a low karst area. Based on a review of the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) databases,1 known water source is located within a ½ mile radius of the Site; however, the well was not drilled in the past 25 years. The nearest identified well was drilled in 1974 and is located approximately 0.32 miles southeast of the Site. The well has a reported depth to groundwater of 117 feet below ground surface (ft bgs). A copy of the site characterization information and associated *Point of Diversion Summary* report for the nearest water well is attached.

Regulatory Criteria

In accordance with the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria are applicable at the Site.

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- TPH (GRO + DRO + MRO): 100 mg/kg
- Chloride: 600 mg/kg

Site Assessment

Site assessment activities were conducted from October 2021 to February 2022 to fully characterize and delineate the extent of impacts resulting from the release. The assessment identified total petroleum hydrocarbon (TPH) and chloride impacts extending to depths ranging from 2 to 4 ft bgs. Complete details of NTGE's site assessment activities are documented in NTGE'S previously submitted and approved *Work Plan*, dated March 15, 2022.

Remediation Action and Confirmation Sampling

In accordance with the Work Plan, NTGE proceeded with remedial action activities at the Site to include the excavation and disposal of impacted soils above regulatory limits. Soils were field screened throughout the excavation activities to aide in determining the final excavation extent. Excavation base and sidewall samples were collected to ensure impacted soils was removed. The confirmation samples were collected in accordance with the one sample per 200 ft^2 guideline established in the regulatory criteria. In instances where the confirmation samples exhibited constituent of concern (COC) concentrations above the regulatory limit, the excavation was extended, and additional confirmation samples were collected. The final excavation extent, excavation depths, and confirmation sample locations are shown on Figure 3.

The confirmation samples were analyzed for BTEX 8021M, TPH 8015M, and Chloride 300.0/4500. Copies of laboratory analysis and chain-of-custody documentation is attached. The analytical results are summarized in Table 1.

Closing

Based on the assessment findings, the remedial action activities, and the analytical results, no further actions are required at the site. A copy of the final C-141 form is attached. If you have any questions regarding this report or need further information, please contact us at 432.685.3898.

Sincerely,
NTG Environmental

Gordon Banks, REM, CSEM, CESCO
Project Manager

Attachments: Table
Figures
Photographic Log
Site Characterization Information
Final C-141
Laboratory Report and Chain-of-Custody Documents

Table

Table 1. Soil Analytical Results - Excavation Confirmation Samples
Catena Resources, LLC
Ironhouse 24 State Com 2
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	ORO	Total						
Base Samples												
CS-1	8/12/2022	4	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	485
CS-2	8/12/2022	4	<49.9	119	<49.9	119	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	570
	9/8/2022	4.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	146
CS-3	8/12/2022	4	<50.0	<50.0	<50.0	<50.0	<0.000199	<0.00199	<0.00199	<0.00398	<0.00399	394
CS-4	8/12/2022	4	<49.8	<49.8	<49.8	<49.8	<0.000201	<0.000202	<0.000203	<0.00402	<0.00403	293
CS-5	8/12/2022	4	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00200	<0.00201	<0.00398	<0.00399	344
CS-5	9/8/2022	4.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	314
CS-6	8/12/2022	4	<50.0	117	<50.0	117	<0.00200	<0.00200	<0.00201	<0.00399	<0.00399	448
	9/8/2022	4.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	212
CS-7	8/12/2022	4'	<50.0	51	<50.0	51.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	281
CS-8	8/12/2022	4'	<50.0	<50.0	<50.0	<50.0	<0.0202	<0.0202	<0.0202	<0.00403	<0.00403	398
CS-9	8/12/2022	4'	<50.0	<50.0	<50.0	<50.0	<0.0201	<0.0201	<0.0201	<0.00402	<0.00402	130
Sidewall Samples												
SW-1	8/12/2022	--	<50.0	79.3	<50.0	79.3	<0.00199	<0.00119	<0.00199	<0.00398	<0.00398	313
SW-3	8/12/2022	--	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	297
SW-4	8/12/2022	--	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	73.2
SW-5	8/12/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	323
SW-6	8/12/2022	--	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	101
SW-7	8/12/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	124
SW-8	8/12/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	136
SW-9	9/8/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00119	<0.00199	<0.00199	<0.00398	64
SW-10	9/8/2022	--	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00119	<0.00199	<0.00199	<0.00398	293
SW-11	9/8/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00119	<0.00198	<0.00198	<0.00398	116
SW-12	9/8/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00119	<0.00198	<0.00396	<0.00396	261
Regulatory Limits[A]			-	-	-	**100**	**10**	-	-	-	**50**	**600**

- exceeds regulatory limit; however, was later excavated

mg/kg - milligram per kilogram

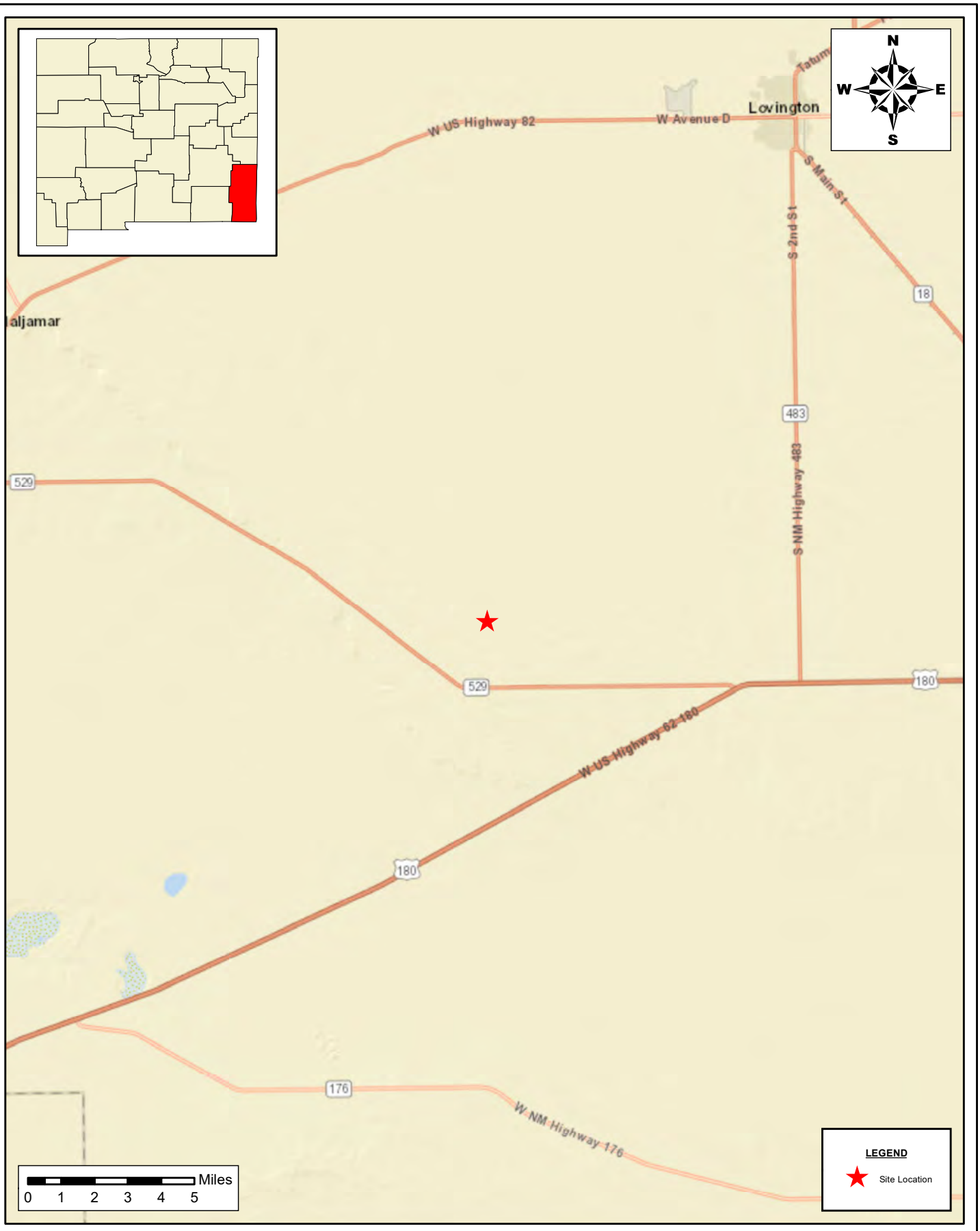
GRO - gasoline range organics

DRO - diesel range organics

ORO - oil range organics

A – Table 1 - 19.15.29 NMAC

Figures



SITE LOCATION MAP
CATENA RESOURCES ,LLC
SOUTH VACUUM UNIT #265
LEA COUNTY, NEW MEXICO
32.716568°, -104.4334793°

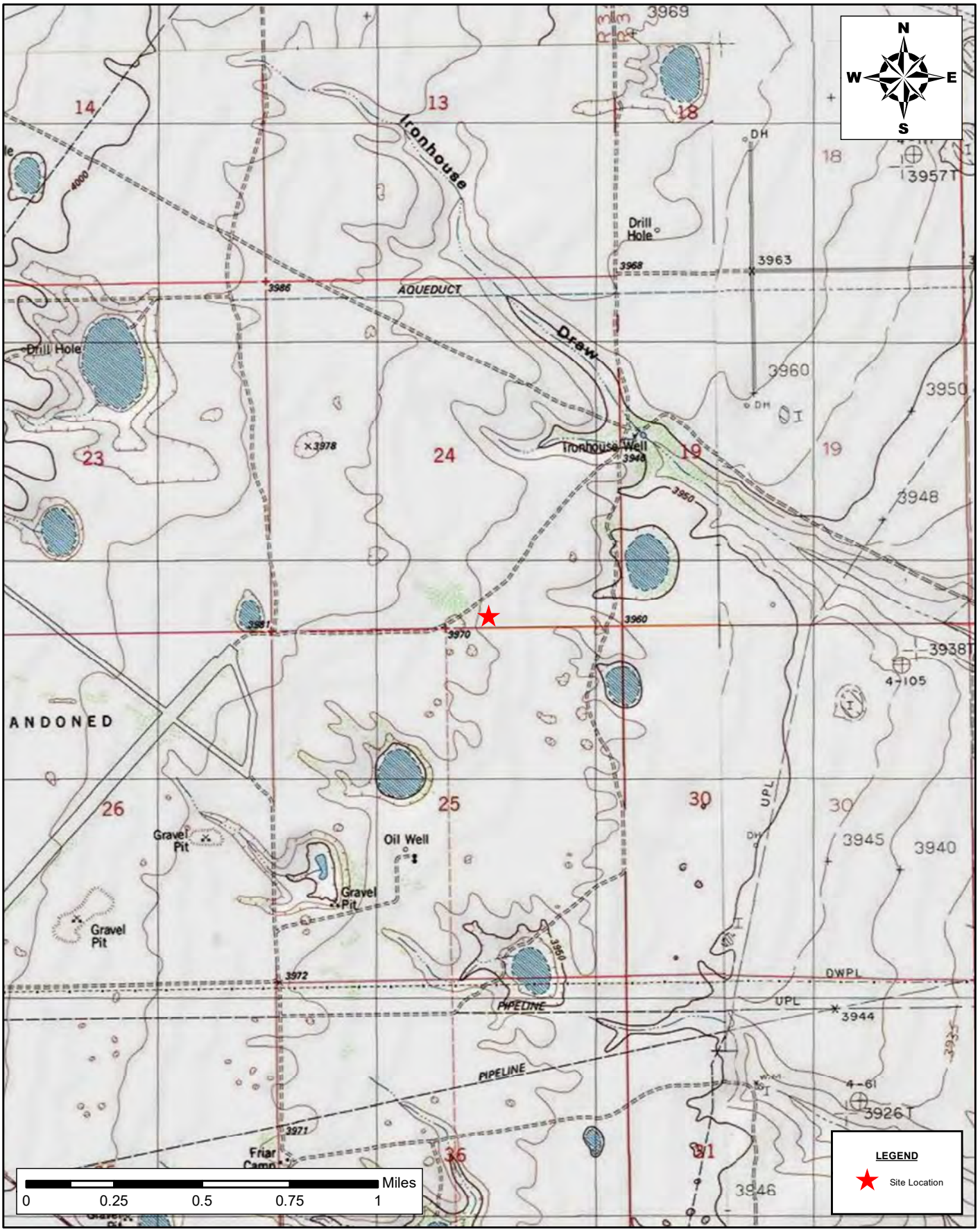
SCALE: As Shown | Date: 11/11/2022 | PROJECT #: 214799

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

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

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1

Document Path: P:\2021 PROJECTS\CATENA\RSC\214799 Ironhouse 24 State Com 2\7 - Figures\GIS\Closure Report\Ironhouse Figure 1.mxd



AREA MAP
CATENA RESOURCES ,LLC
SOUTH VACUUM UNIT #265
LEA COUNTY, NEW MEXICO
32.716568°, -104.4334793°

SCALE: As Shown | Date: 11/11/2022 | PROJECT #: 214799

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Houston, Texas 77060
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NOTES:
1. Base Image: ESRI Maps & Data 2013
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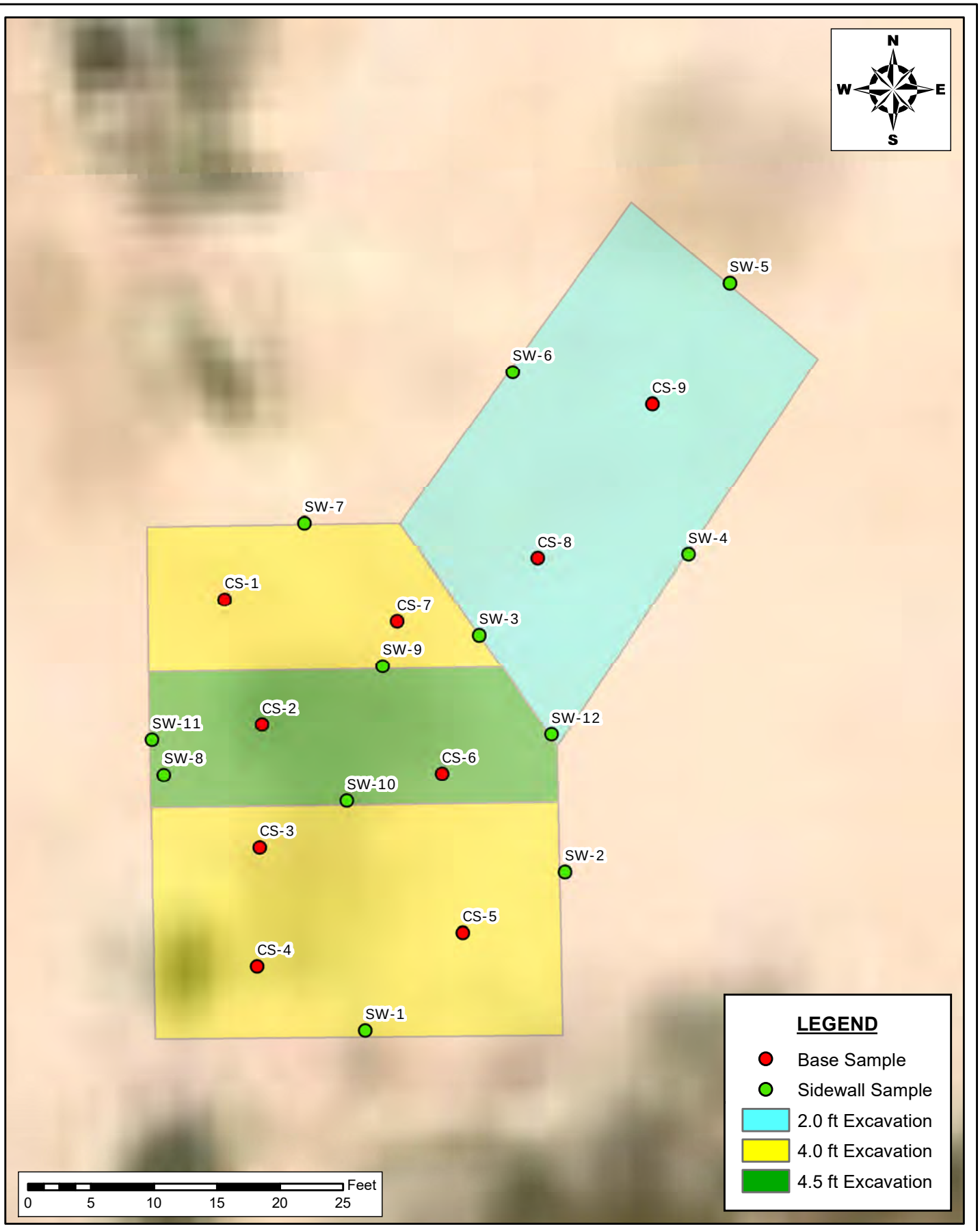
DRAWING NUMBER:
FIGURE 2
SHEET NUMBER:
1 of 1

Document Path: P:\2021 PROJECTS\CATENA\RSC\214799 Ironhouse 24 State Com 2\7 - Figures\GIS\Closure Report\Ironhouse Figure 2.mxd



EXCAVATION AND CONFIRMATION SAMPLE LOCATION MAP
CATENA RESOURCES ,LLC
IRONHOUSE 24 STATE COM #2
LEA COUNTY, NEW MEXICO
32.726638°, -103.511818°

SCALE: As Shown	Date: 11/11/2022	PROJECT #: 214799

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

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

DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
1 of 1

Document Path: P:\2021 PROJECTS\CATENA\RSC\214799 Ironhouse 24 State Com 2\7 - Figures\GIS\Closure Report\Ironhouse Figure 3.mxd

Photographic Log

PHOTOGRAPHIC LOG

Catena Resources

Photograph No. 1

Facility: Ironhouse 24 State Com #2

County: Lea County, New Mexico

Description:
View looking southwest of excavation area.

Photograph No. 2

Facility: Ironhouse 24 State Com #2

County: Lea County, New Mexico

Description:
View looking southwest of excavation area.

Photograph No. 3

Facility: Ironhouse 24 State Com #2

County: Lea County, New Mexico

Description:
View looking northwest of excavation area.

PHOTOGRAPHIC LOG

Catena Resources

Photograph No. 4

Facility: Ironhouse 24 State Com #2

County: Lea County, New Mexico

Description:
View looking southeast of excavation area.

Photograph No. 5

Facility: Ironhouse 24 State Com #2

County: Lea County, New Mexico

Description:
View looking northwest of excavation area.

Photograph No. 6

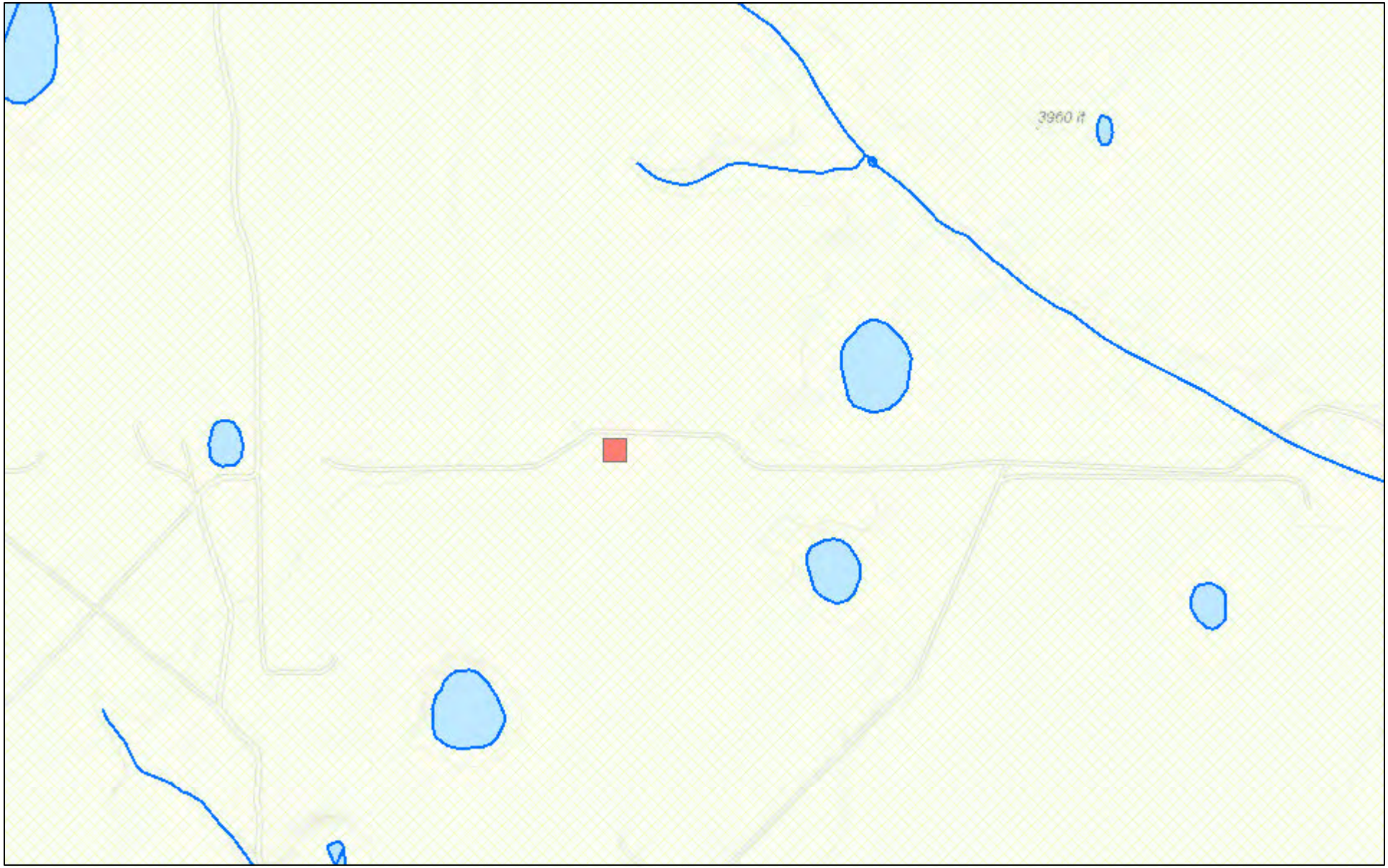
Facility: Ironhouse 24 State Com #2

County: Lea County, New Mexico

Description:
View looking north of excavation area.

Site Characterization Information

New Mexico NFHL Data



October 26, 2021

1:18,056

0 0.15 0.3 0.6 mi

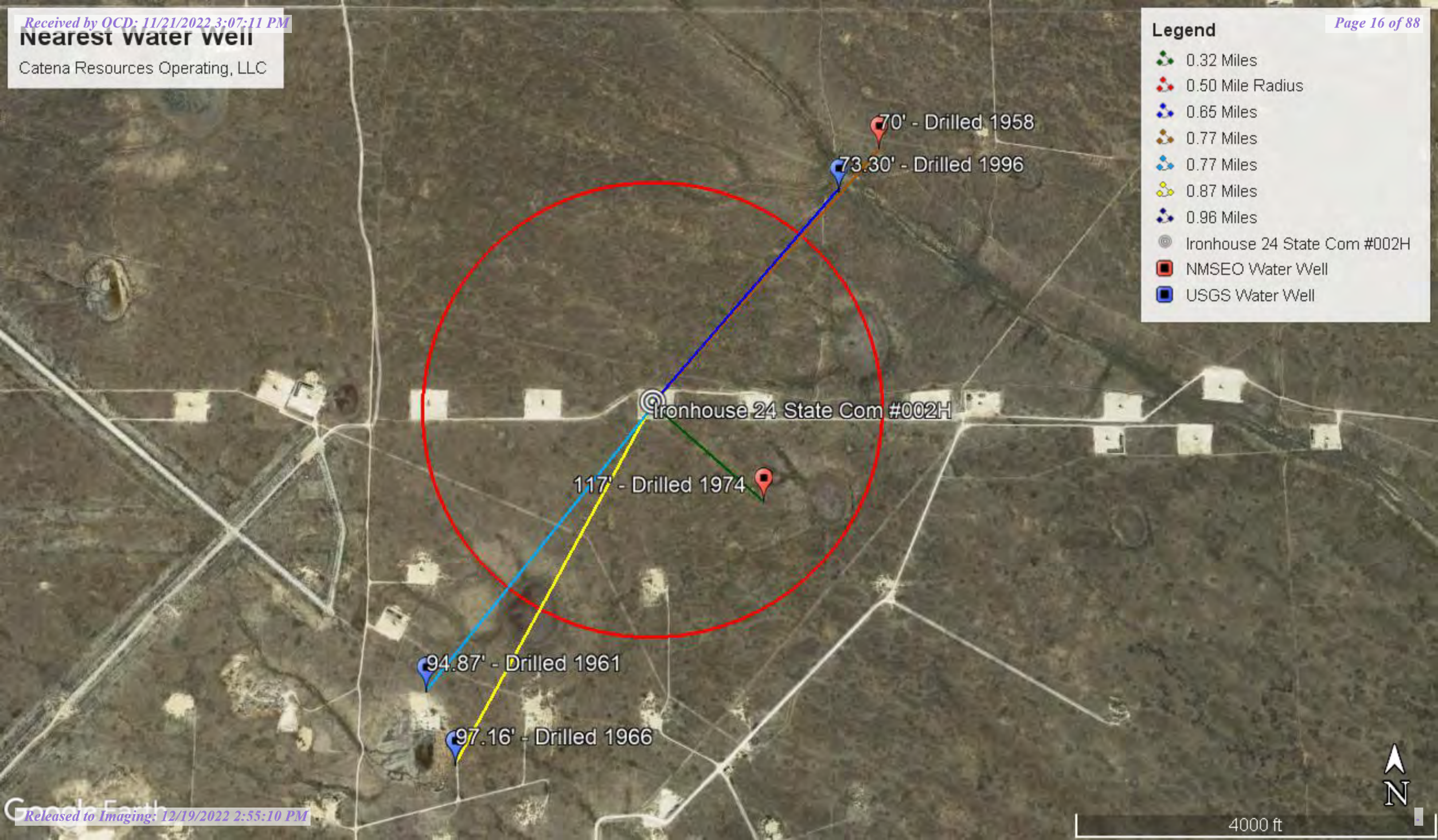
0 0.25 0.5 1 km

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

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

Nearest Water Well

Catena Resources Operating, LLC



New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	L 03888	3	1		19	18S	35E	640253	3622912*

Driller License: 99 **Driller Company:** O.R. MUSSELWHITE WATER WELL SE

Driller Name:

Drill Start Date:	06/06/1958	**Drill Finish Date:**	06/06/1958	**Plug Date:**	
Log File Date:	06/12/1958	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	5.50	**Depth Well:**	107 feet	**Depth Water:**	70 feet

Water Bearing Stratifications:	Top	Bottom	Description
	85	105	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	70	107

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

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	L 12926 POD1	2	2	3	25	18S	34E	639839	3621631

Driller License: 46 **Driller Company:** ABBOTT BROTHERS COMPANY

Driller Name: ABBOTT, MURRELL

Drill Start Date:	12/21/1974	**Drill Finish Date:**	12/29/1974	**Plug Date:**	
Log File Date:	01/06/1975	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	50 GPM
Casing Size:	7.00	**Depth Well:**	182 feet	**Depth Water:**	117 feet

Water Bearing Stratifications:	Top	Bottom	Description
	117	182	Other/Unknown

Casing Perforations:	Top	Bottom
	132	182

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

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

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

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

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 12926 POD1	L	LE	2	2	3	25	18S	34E	639839	3621631	504	182	117	65
L 03888	L	LE		3	1	19	18S	35E	640253	3622912*	1246	107	70	37
L 07928	L	LE	4	4	1	19	18S	35E	640639	3622915	1525	175		

Average Depth to Water: **93 feet**

Minimum Depth: **70 feet**

Maximum Depth: **117 feet**

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 639452.65 **Northing (Y):** 3621956.28 **Radius:** 1600

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

Final C-141

Incident ID	
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.

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☐ 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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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: _____

Printed Name: _____ Title: _____

Laboratory Reports and Chain-of-Custody Documents

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-18042-1
Laboratory Sample Delivery Group: Lea Co., NM
Client Project/Site: Ironhouse 24 State Com 2

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Gordon Banks

JKramer

Authorized for release by:
8/18/2022 9:53:10 AM

Jessica Kramer, Project Manager
(432)704-5440
Jessica.Kramer@et.eurofinsus.com

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Laboratory Job ID: 880-18042-1
SDG: Lea Co., NM

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Job ID: 880-18042-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-18042-1

Receipt
The samples were received on 8/12/2022 12:22 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 6.0°C

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-8 (2') (880-18042-8). 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.

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: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Client Sample ID: CS-1 (4')

Lab Sample ID: 880-18042-1
Matrix: Solid
Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

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		08/16/22 20:36	08/16/22 23:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/16/22 23:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/16/22 23:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/16/22 20:36	08/16/22 23:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/16/22 23:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/16/22 20:36	08/16/22 23:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*08/16/22 20:36*	*08/16/22 23:05*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*08/16/22 20:36*	*08/16/22 23:05*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/17/22 09:03	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			08/15/22 10:31	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		08/12/22 14:26	08/12/22 21:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/12/22 14:26	08/12/22 21:51	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/12/22 14:26	08/12/22 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*08/12/22 14:26*	*08/12/22 21:51*	*1*
o-Terphenyl	*101*		*70 - 130*	*08/12/22 14:26*	*08/12/22 21:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**485**		5.03		mg/Kg			08/18/22 00:11	1

Client Sample ID: CS-2 (4')

Lab Sample ID: 880-18042-2
Matrix: Solid
Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

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		08/16/22 20:36	08/16/22 23:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/16/22 23:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/16/22 23:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/16/22 20:36	08/16/22 23:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/16/22 23:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/16/22 20:36	08/16/22 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*234*	*S1+*	*70 - 130*	*08/16/22 20:36*	*08/16/22 23:26*	*1*
1,4-Difluorobenzene (Surr)	*229*	*S1+*	*70 - 130*	*08/16/22 20:36*	*08/16/22 23:26*	*1*

Client Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Client Sample ID: CS-2 (4')

Lab Sample ID: 880-18042-2
Matrix: Solid
Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

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			08/17/22 09:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**119**		49.9		mg/Kg			08/15/22 10:31	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		08/12/22 14:26	08/12/22 22:56	1
Diesel Range Organics (Over C10-C28)	**119**		49.9		mg/Kg		08/12/22 14:26	08/12/22 22:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/12/22 14:26	08/12/22 22:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*08/12/22 14:26*	*08/12/22 22:56*	*1*
o-Terphenyl	*103*		*70 - 130*	*08/12/22 14:26*	*08/12/22 22:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**570**		4.98		mg/Kg			08/18/22 00:35	1

Client Sample ID: CS-3 (4')

Lab Sample ID: 880-18042-3
Matrix: Solid
Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

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		08/16/22 20:36	08/16/22 23:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/16/22 20:36	08/16/22 23:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/16/22 20:36	08/16/22 23:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/16/22 20:36	08/16/22 23:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/16/22 20:36	08/16/22 23:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/16/22 20:36	08/16/22 23:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*08/16/22 20:36*	*08/16/22 23:47*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*08/16/22 20:36*	*08/16/22 23:47*	*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			08/17/22 09:03	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			08/15/22 10:31	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		08/12/22 14:26	08/12/22 23:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 14:26	08/12/22 23:18	1

Client Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Client Sample ID: CS-3 (4')

Lab Sample ID: 880-18042-3
Date Collected: 08/12/22 00:00
Matrix: Solid
Date Received: 08/12/22 12:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 14:26	08/12/22 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*08/12/22 14:26*	*08/12/22 23:18*	*1*
o-Terphenyl	*101*		*70 - 130*	*08/12/22 14:26*	*08/12/22 23:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**394**		5.00		mg/Kg			08/18/22 00:43	1

Client Sample ID: CS-4 (4')

Lab Sample ID: 880-18042-4
Date Collected: 08/12/22 00:00
Matrix: Solid
Date Received: 08/12/22 12:22

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		08/16/22 20:36	08/17/22 00:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/16/22 20:36	08/17/22 00:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/16/22 20:36	08/17/22 00:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/16/22 20:36	08/17/22 00:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/16/22 20:36	08/17/22 00:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/16/22 20:36	08/17/22 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*08/16/22 20:36*	*08/17/22 00:07*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*08/16/22 20:36*	*08/17/22 00:07*	*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			08/17/22 09:03	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			08/15/22 10:31	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		08/12/22 14:26	08/12/22 23:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/12/22 14:26	08/12/22 23:39	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/12/22 14:26	08/12/22 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*08/12/22 14:26*	*08/12/22 23:39*	*1*
o-Terphenyl	*98*		*70 - 130*	*08/12/22 14:26*	*08/12/22 23:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**293**		5.01		mg/Kg			08/18/22 00:51	1

Client Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Client Sample ID: CS-5 (4')

Lab Sample ID: 880-18042-5
Date Collected: 08/12/22 00:00
Matrix: Solid
Date Received: 08/12/22 12:22

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		08/16/22 20:36	08/17/22 00:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/16/22 20:36	08/17/22 00:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/16/22 20:36	08/17/22 00:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/16/22 20:36	08/17/22 00:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/16/22 20:36	08/17/22 00:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/16/22 20:36	08/17/22 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*08/16/22 20:36*	*08/17/22 00:28*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*08/16/22 20:36*	*08/17/22 00:28*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/17/22 09:03	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			08/15/22 10:31	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		08/12/22 14:26	08/13/22 00:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 14:26	08/13/22 00:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 14:26	08/13/22 00:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*08/12/22 14:26*	*08/13/22 00:01*	*1*
o-Terphenyl	*103*		*70 - 130*	*08/12/22 14:26*	*08/13/22 00:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**344**		5.01		mg/Kg			08/18/22 00:58	1

Client Sample ID: CS-6 (4')

Lab Sample ID: 880-18042-6
Date Collected: 08/12/22 00:00
Matrix: Solid
Date Received: 08/12/22 12:22

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		08/16/22 20:36	08/17/22 00:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/17/22 00:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/17/22 00:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/16/22 20:36	08/17/22 00:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/17/22 00:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/16/22 20:36	08/17/22 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*08/16/22 20:36*	*08/17/22 00:48*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*08/16/22 20:36*	*08/17/22 00:48*	*1*

Client Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Client Sample ID: CS-6 (4')

Lab Sample ID: 880-18042-6
Date Collected: 08/12/22 00:00
Matrix: Solid
Date Received: 08/12/22 12:22

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			08/17/22 09:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**117**		50.0		mg/Kg			08/15/22 10:31	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		08/12/22 14:26	08/13/22 00:23	1
Diesel Range Organics (Over C10-C28)	**117**		50.0		mg/Kg		08/12/22 14:26	08/13/22 00:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 14:26	08/13/22 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*08/12/22 14:26*	*08/13/22 00:23*	*1*
o-Terphenyl	*97*		*70 - 130*	*08/12/22 14:26*	*08/13/22 00:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**448**		4.98		mg/Kg			08/18/22 01:22	1

Client Sample ID: CS-7 (4')

Lab Sample ID: 880-18042-7
Date Collected: 08/12/22 00:00
Matrix: Solid
Date Received: 08/12/22 12:22

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		08/16/22 20:36	08/17/22 01:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/16/22 20:36	08/17/22 01:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/16/22 20:36	08/17/22 01:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/16/22 20:36	08/17/22 01:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/16/22 20:36	08/17/22 01:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/16/22 20:36	08/17/22 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*08/16/22 20:36*	*08/17/22 01:09*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*08/16/22 20:36*	*08/17/22 01:09*	*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			08/17/22 09:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**51.0**		50.0		mg/Kg			08/15/22 10:31	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		08/12/22 14:26	08/13/22 00:44	1
Diesel Range Organics (Over C10-C28)	**51.0**		50.0		mg/Kg		08/12/22 14:26	08/13/22 00:44	1

Client Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Client Sample ID: CS-7 (4')

Lab Sample ID: 880-18042-7
Date Collected: 08/12/22 00:00
Matrix: Solid
Date Received: 08/12/22 12:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 14:26	08/13/22 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*08/12/22 14:26*	*08/13/22 00:44*	*1*
o-Terphenyl	*101*		*70 - 130*	*08/12/22 14:26*	*08/13/22 00:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**281**		4.99		mg/Kg			08/18/22 01:30	1

Client Sample ID: CS-8 (2')

Lab Sample ID: 880-18042-8
Date Collected: 08/12/22 00:00
Matrix: Solid
Date Received: 08/12/22 12:22

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		08/16/22 20:36	08/17/22 01:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/16/22 20:36	08/17/22 01:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/16/22 20:36	08/17/22 01:30	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/16/22 20:36	08/17/22 01:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/16/22 20:36	08/17/22 01:30	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/16/22 20:36	08/17/22 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*08/16/22 20:36*	*08/17/22 01:30*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*08/16/22 20:36*	*08/17/22 01:30*	*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			08/17/22 09:03	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			08/15/22 10:31	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		08/12/22 14:26	08/13/22 01:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 14:26	08/13/22 01:06	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 14:26	08/13/22 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*139*	*S1+*	*70 - 130*	*08/12/22 14:26*	*08/13/22 01:06*	*1*
o-Terphenyl	*121*		*70 - 130*	*08/12/22 14:26*	*08/13/22 01:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**398**		5.00		mg/Kg			08/18/22 01:38	1

Client Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Client Sample ID: CS-9 (2')

Lab Sample ID: 880-18042-9
Date Collected: 08/12/22 00:00
Matrix: Solid
Date Received: 08/12/22 12:22

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		08/16/22 20:36	08/17/22 01:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/16/22 20:36	08/17/22 01:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/16/22 20:36	08/17/22 01:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/16/22 20:36	08/17/22 01:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/16/22 20:36	08/17/22 01:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/16/22 20:36	08/17/22 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*08/16/22 20:36*	*08/17/22 01:50*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*	*08/16/22 20:36*	*08/17/22 01:50*	*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			08/17/22 09:03	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			08/15/22 10:31	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		08/12/22 14:26	08/13/22 01:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 14:26	08/13/22 01:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 14:26	08/13/22 01:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*08/12/22 14:26*	*08/13/22 01:27*	*1*
o-Terphenyl	*112*		*70 - 130*	*08/12/22 14:26*	*08/13/22 01:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**130**		5.04		mg/Kg			08/18/22 01:46	1

Client Sample ID: SW-1

Lab Sample ID: 880-18042-10
Date Collected: 08/12/22 00:00
Matrix: Solid
Date Received: 08/12/22 12:22

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		08/16/22 20:36	08/17/22 02:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/17/22 02:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/17/22 02:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/16/22 20:36	08/17/22 02:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/17/22 02:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/16/22 20:36	08/17/22 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*08/16/22 20:36*	*08/17/22 02:11*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*08/16/22 20:36*	*08/17/22 02:11*	*1*

Client Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Client Sample ID: SW-1

Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

Lab Sample ID: 880-18042-10
Matrix: Solid

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			08/17/22 09:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**79.3**		50.0		mg/Kg			08/15/22 10:31	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		08/12/22 14:26	08/13/22 01:49	1
Diesel Range Organics (Over C10-C28)	**79.3**		50.0		mg/Kg		08/12/22 14:26	08/13/22 01:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 14:26	08/13/22 01:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*08/12/22 14:26*	*08/13/22 01:49*	*1*
o-Terphenyl	*99*		*70 - 130*	*08/12/22 14:26*	*08/13/22 01:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**518**		5.04		mg/Kg			08/18/22 01:53	1

Client Sample ID: SW-2

Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

Lab Sample ID: 880-18042-11
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/16/22 20:36	08/17/22 03:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/16/22 20:36	08/17/22 03:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/16/22 20:36	08/17/22 03:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/16/22 20:36	08/17/22 03:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/16/22 20:36	08/17/22 03:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/16/22 20:36	08/17/22 03:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*08/16/22 20:36*	*08/17/22 03:35*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*08/16/22 20:36*	*08/17/22 03:35*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/17/22 09:03	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			08/15/22 10:31	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		08/12/22 14:26	08/13/22 02:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 14:26	08/13/22 02:32	1

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Client Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Client Sample ID: SW-2

Lab Sample ID: 880-18042-11
Date Collected: 08/12/22 00:00
Matrix: Solid
Date Received: 08/12/22 12:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 14:26	08/13/22 02:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*08/12/22 14:26*	*08/13/22 02:32*	*1*
o-Terphenyl	*102*		*70 - 130*	*08/12/22 14:26*	*08/13/22 02:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**313**		5.04		mg/Kg			08/18/22 02:01	1

Client Sample ID: SW-3

Lab Sample ID: 880-18042-12
Date Collected: 08/12/22 00:00
Matrix: Solid
Date Received: 08/12/22 12:22

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		08/16/22 20:36	08/17/22 03:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/17/22 03:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/17/22 03:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/16/22 20:36	08/17/22 03:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/17/22 03:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/16/22 20:36	08/17/22 03:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*08/16/22 20:36*	*08/17/22 03:55*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*08/16/22 20:36*	*08/17/22 03:55*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/17/22 09:03	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			08/15/22 10:31	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		08/12/22 14:26	08/13/22 02:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 14:26	08/13/22 02:54	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 14:26	08/13/22 02:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*08/12/22 14:26*	*08/13/22 02:54*	*1*
o-Terphenyl	*100*		*70 - 130*	*08/12/22 14:26*	*08/13/22 02:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**297**		5.02		mg/Kg			08/18/22 02:25	1

Client Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Client Sample ID: SW-4

Lab Sample ID: 880-18042-13
Matrix: Solid
Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

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		08/16/22 20:36	08/17/22 04:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/17/22 04:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/17/22 04:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/16/22 20:36	08/17/22 04:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/17/22 04:16	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/16/22 20:36	08/17/22 04:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*08/16/22 20:36*	*08/17/22 04:16*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*08/16/22 20:36*	*08/17/22 04:16*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/17/22 09:03	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			08/15/22 10:31	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		08/12/22 14:26	08/13/22 03:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 14:26	08/13/22 03:15	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 14:26	08/13/22 03:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*08/12/22 14:26*	*08/13/22 03:15*	*1*
o-Terphenyl	*102*		*70 - 130*	*08/12/22 14:26*	*08/13/22 03:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**73.2**		5.01		mg/Kg			08/18/22 02:33	1

Client Sample ID: SW-5

Lab Sample ID: 880-18042-14
Matrix: Solid
Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

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		08/16/22 20:36	08/17/22 04:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/16/22 20:36	08/17/22 04:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/16/22 20:36	08/17/22 04:37	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/16/22 20:36	08/17/22 04:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/16/22 20:36	08/17/22 04:37	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/16/22 20:36	08/17/22 04:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*08/16/22 20:36*	*08/17/22 04:37*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*08/16/22 20:36*	*08/17/22 04:37*	*1*

Client Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Client Sample ID: SW-5

Lab Sample ID: 880-18042-14
Date Collected: 08/12/22 00:00
Matrix: Solid
Date Received: 08/12/22 12:22

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			08/17/22 09:03	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			08/15/22 10:31	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		08/12/22 14:26	08/13/22 03:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/12/22 14:26	08/13/22 03:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/12/22 14:26	08/13/22 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*08/12/22 14:26*	*08/13/22 03:37*	*1*
o-Terphenyl	*99*		*70 - 130*	*08/12/22 14:26*	*08/13/22 03:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**323**		5.01		mg/Kg			08/18/22 02:56	1

Client Sample ID: SW-6

Lab Sample ID: 880-18042-15
Date Collected: 08/12/22 00:00
Matrix: Solid
Date Received: 08/12/22 12:22

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		08/16/22 20:36	08/17/22 04:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/16/22 20:36	08/17/22 04:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/16/22 20:36	08/17/22 04:57	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/16/22 20:36	08/17/22 04:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/16/22 20:36	08/17/22 04:57	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/16/22 20:36	08/17/22 04:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*08/16/22 20:36*	*08/17/22 04:57*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*08/16/22 20:36*	*08/17/22 04:57*	*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			08/17/22 09:03	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			08/15/22 10:31	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		08/12/22 14:26	08/13/22 03:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 14:26	08/13/22 03:58	1

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Client Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Client Sample ID: SW-6

Lab Sample ID: 880-18042-15
Date Collected: 08/12/22 00:00
Matrix: Solid
Date Received: 08/12/22 12:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 14:26	08/13/22 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*08/12/22 14:26*	*08/13/22 03:58*	*1*
o-Terphenyl	*100*		*70 - 130*	*08/12/22 14:26*	*08/13/22 03:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**101**		4.99		mg/Kg			08/18/22 03:04	1

Client Sample ID: SW-7

Lab Sample ID: 880-18042-16
Date Collected: 08/12/22 00:00
Matrix: Solid
Date Received: 08/12/22 12:22

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		08/16/22 20:36	08/17/22 05:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/16/22 20:36	08/17/22 05:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/16/22 20:36	08/17/22 05:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/16/22 20:36	08/17/22 05:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/16/22 20:36	08/17/22 05:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/16/22 20:36	08/17/22 05:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*08/16/22 20:36*	*08/17/22 05:18*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*08/16/22 20:36*	*08/17/22 05:18*	*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			08/17/22 09:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**54.8**		49.9		mg/Kg			08/15/22 10:31	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		08/12/22 14:26	08/13/22 04:20	1
Diesel Range Organics (Over C10-C28)	**54.8**		49.9		mg/Kg		08/12/22 14:26	08/13/22 04:20	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/12/22 14:26	08/13/22 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*08/12/22 14:26*	*08/13/22 04:20*	*1*
o-Terphenyl	*105*		*70 - 130*	*08/12/22 14:26*	*08/13/22 04:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**124**		4.99		mg/Kg			08/18/22 03:12	1

Client Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Client Sample ID: SW-8

Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

Lab Sample ID: 880-18042-17

Matrix: Solid

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		08/16/22 20:36	08/17/22 05:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/17/22 05:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/17/22 05:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/16/22 20:36	08/17/22 05:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/17/22 05:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/16/22 20:36	08/17/22 05:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*08/16/22 20:36*	*08/17/22 05:39*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*08/16/22 20:36*	*08/17/22 05:39*	*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			08/17/22 09:03	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			08/15/22 10:31	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		08/12/22 14:26	08/13/22 04:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/12/22 14:26	08/13/22 04:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/12/22 14:26	08/13/22 04:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*08/12/22 14:26*	*08/13/22 04:41*	*1*
o-Terphenyl	*90*		*70 - 130*	*08/12/22 14:26*	*08/13/22 04:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**136**		5.01		mg/Kg			08/18/22 03:20	1

Surrogate Summary

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
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)
880-18042-1	CS-1 (4')	100	106
880-18042-1 MS	CS-1 (4')	71	78
880-18042-1 MSD	CS-1 (4')	100	101
880-18042-2	CS-2 (4')	234 S1+	229 S1+
880-18042-3	CS-3 (4')	102	111
880-18042-4	CS-4 (4')	95	115
880-18042-5	CS-5 (4')	114	97
880-18042-6	CS-6 (4')	120	104
880-18042-7	CS-7 (4')	96	115
880-18042-8	CS-8 (2')	113	105
880-18042-9	CS-9 (2')	119	123
880-18042-10	SW-1	77	93
880-18042-11	SW-2	85	90
880-18042-12	SW-3	103	114
880-18042-13	SW-4	103	93
880-18042-14	SW-5	136 S1+	114
880-18042-15	SW-6	108	91
880-18042-16	SW-7	104	107
880-18042-17	SW-8	104	102
LCS 880-32282/1-A	Lab Control Sample	76	124
LCSD 880-32282/2-A	Lab Control Sample Dup	89	114
MB 880-32282/5-A	Method Blank	100	91

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)
880-18042-1	CS-1 (4')	123	101
880-18042-1 MS	CS-1 (4')	118	79
880-18042-1 MSD	CS-1 (4')	101	79
880-18042-2	CS-2 (4')	129	103
880-18042-3	CS-3 (4')	119	101
880-18042-4	CS-4 (4')	122	98
880-18042-5	CS-5 (4')	121	103
880-18042-6	CS-6 (4')	115	97
880-18042-7	CS-7 (4')	123	101
880-18042-8	CS-8 (2')	139 S1+	121
880-18042-9	CS-9 (2')	129	112
880-18042-10	SW-1	118	99
880-18042-11	SW-2	122	102
880-18042-12	SW-3	121	100
880-18042-13	SW-4	122	102
880-18042-14	SW-5	125	99
880-18042-15	SW-6	120	100

Surrogate Summary

Client: NT Global
Job ID: 880-18042-1
Project/Site: Ironhouse 24 State Com 2
SDG: Lea Co., NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
880-18042-16	SW-7	122	105								
880-18042-17	SW-8	106	90								
LCS 880-32104/2-A	Lab Control Sample	115	94								
LCSD 880-32104/3-A	Lab Control Sample Dup	106	92								
MB 880-32104/1-A	Method Blank	123	114								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-32282/5-A
Matrix: Solid
Analysis Batch: 32280

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32282

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/16/22 22:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/16/22 22:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/16/22 22:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/16/22 20:36	08/16/22 22:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/16/22 20:36	08/16/22 22:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/16/22 20:36	08/16/22 22:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*08/16/22 20:36*	*08/16/22 22:43*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*08/16/22 20:36*	*08/16/22 22:43*	*1*

Lab Sample ID: LCS 880-32282/1-A
Matrix: Solid
Analysis Batch: 32280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32282

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1009		mg/Kg		101	70 - 130
Toluene	0.100	0.09649		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.08329		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1752		mg/Kg		88	70 - 130
o-Xylene	0.100	0.09308		mg/Kg		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*
1,4-Difluorobenzene (Surr)	*124*		*70 - 130*

Lab Sample ID: LCSD 880-32282/2-A
Matrix: Solid
Analysis Batch: 32280

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32282

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1074		mg/Kg		107	70 - 130	6	35
Toluene	0.100	0.1068		mg/Kg		107	70 - 130	10	35
Ethylbenzene	0.100	0.09146		mg/Kg		91	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.1858		mg/Kg		93	70 - 130	6	35
o-Xylene	0.100	0.1034		mg/Kg		103	70 - 130	10	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*

Lab Sample ID: 880-18042-1 MS
Matrix: Solid
Analysis Batch: 32280

Client Sample ID: CS-1 (4')
Prep Type: Total/NA
Prep Batch: 32282

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.08152		mg/Kg		82	70 - 130
Toluene	<0.00200	U	0.0998	0.08310		mg/Kg		83	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

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

Lab Sample ID: 880-18042-1 MS
Matrix: Solid
Analysis Batch: 32280

Client Sample ID: CS-1 (4')
Prep Type: Total/NA
Prep Batch: 32282

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0998	0.08368		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1682		mg/Kg		84	70 - 130
o-Xylene	<0.00200	U	0.0998	0.08570		mg/Kg		86	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*71*		*70 - 130*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*

Lab Sample ID: 880-18042-1 MSD
Matrix: Solid
Analysis Batch: 32280

Client Sample ID: CS-1 (4')
Prep Type: Total/NA
Prep Batch: 32282

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0992	0.09941		mg/Kg		100	70 - 130	20	35
Toluene	<0.00200	U	0.0992	0.1013		mg/Kg		102	70 - 130	20	35
Ethylbenzene	<0.00200	U	0.0992	0.08898		mg/Kg		90	70 - 130	6	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1810		mg/Kg		91	70 - 130	7	35
o-Xylene	<0.00200	U	0.0992	0.1026		mg/Kg		103	70 - 130	18	35

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

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

Lab Sample ID: MB 880-32104/1-A
Matrix: Solid
Analysis Batch: 32049

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32104

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		08/12/22 14:26	08/12/22 20:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 14:26	08/12/22 20:47	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 14:26	08/12/22 20:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*08/12/22 14:26*	*08/12/22 20:47*	*1*
o-Terphenyl	*114*		*70 - 130*	*08/12/22 14:26*	*08/12/22 20:47*	*1*

Lab Sample ID: LCS 880-32104/2-A
Matrix: Solid
Analysis Batch: 32049

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32104

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1000		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1010		mg/Kg		101	70 - 130

QC Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

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

Lab Sample ID: LCS 880-32104/2-A
Matrix: Solid
Analysis Batch: 32049

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32104

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: LCSD 880-32104/3-A
Matrix: Solid
Analysis Batch: 32049

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32104

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1003		mg/Kg		100	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1002		mg/Kg		100	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: 880-18042-1 MS
Matrix: Solid
Analysis Batch: 32049

Client Sample ID: CS-1 (4')
Prep Type: Total/NA
Prep Batch: 32104

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	999	1150		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1022		mg/Kg		99	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	79		70 - 130

Lab Sample ID: 880-18042-1 MSD
Matrix: Solid
Analysis Batch: 32049

Client Sample ID: CS-1 (4')
Prep Type: Total/NA
Prep Batch: 32104

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	1114		mg/Kg		111	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1020		mg/Kg		99	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	79		70 - 130

QC Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-32166/1-A
Matrix: Solid
Analysis Batch: 32251

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			08/17/22 23:48	1

Lab Sample ID: LCS 880-32166/2-A
Matrix: Solid
Analysis Batch: 32251

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	249.8		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-32166/3-A
Matrix: Solid
Analysis Batch: 32251

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	250.4		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-18042-1 MS
Matrix: Solid
Analysis Batch: 32251

Client Sample ID: CS-1 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	485		252	725.3		mg/Kg		96	90 - 110		

Lab Sample ID: 880-18042-1 MSD
Matrix: Solid
Analysis Batch: 32251

Client Sample ID: CS-1 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	485		252	725.6		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-18042-11 MS
Matrix: Solid
Analysis Batch: 32251

Client Sample ID: SW-2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	313		249	568.6		mg/Kg		103	90 - 110		

Lab Sample ID: 880-18042-11 MSD
Matrix: Solid
Analysis Batch: 32251

Client Sample ID: SW-2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	313		248	564.6		mg/Kg		102	90 - 110	1	20

QC Association Summary

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

GC VOA

Analysis Batch: 32280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18042-1	CS-1 (4')	Total/NA	Solid	8021B	32282
880-18042-2	CS-2 (4')	Total/NA	Solid	8021B	32282
880-18042-3	CS-3 (4')	Total/NA	Solid	8021B	32282
880-18042-4	CS-4 (4')	Total/NA	Solid	8021B	32282
880-18042-5	CS-5 (4')	Total/NA	Solid	8021B	32282
880-18042-6	CS-6 (4')	Total/NA	Solid	8021B	32282
880-18042-7	CS-7 (4')	Total/NA	Solid	8021B	32282
880-18042-8	CS-8 (2')	Total/NA	Solid	8021B	32282
880-18042-9	CS-9 (2')	Total/NA	Solid	8021B	32282
880-18042-10	SW-1	Total/NA	Solid	8021B	32282
880-18042-11	SW-2	Total/NA	Solid	8021B	32282
880-18042-12	SW-3	Total/NA	Solid	8021B	32282
880-18042-13	SW-4	Total/NA	Solid	8021B	32282
880-18042-14	SW-5	Total/NA	Solid	8021B	32282
880-18042-15	SW-6	Total/NA	Solid	8021B	32282
880-18042-16	SW-7	Total/NA	Solid	8021B	32282
880-18042-17	SW-8	Total/NA	Solid	8021B	32282
MB 880-32282/5-A	Method Blank	Total/NA	Solid	8021B	32282
LCS 880-32282/1-A	Lab Control Sample	Total/NA	Solid	8021B	32282
LCSD 880-32282/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	32282
880-18042-1 MS	CS-1 (4')	Total/NA	Solid	8021B	32282
880-18042-1 MSD	CS-1 (4')	Total/NA	Solid	8021B	32282

Prep Batch: 32282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18042-1	CS-1 (4')	Total/NA	Solid	5035	
880-18042-2	CS-2 (4')	Total/NA	Solid	5035	
880-18042-3	CS-3 (4')	Total/NA	Solid	5035	
880-18042-4	CS-4 (4')	Total/NA	Solid	5035	
880-18042-5	CS-5 (4')	Total/NA	Solid	5035	
880-18042-6	CS-6 (4')	Total/NA	Solid	5035	
880-18042-7	CS-7 (4')	Total/NA	Solid	5035	
880-18042-8	CS-8 (2')	Total/NA	Solid	5035	
880-18042-9	CS-9 (2')	Total/NA	Solid	5035	
880-18042-10	SW-1	Total/NA	Solid	5035	
880-18042-11	SW-2	Total/NA	Solid	5035	
880-18042-12	SW-3	Total/NA	Solid	5035	
880-18042-13	SW-4	Total/NA	Solid	5035	
880-18042-14	SW-5	Total/NA	Solid	5035	
880-18042-15	SW-6	Total/NA	Solid	5035	
880-18042-16	SW-7	Total/NA	Solid	5035	
880-18042-17	SW-8	Total/NA	Solid	5035	
MB 880-32282/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-32282/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-32282/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-18042-1 MS	CS-1 (4')	Total/NA	Solid	5035	
880-18042-1 MSD	CS-1 (4')	Total/NA	Solid	5035	

Analysis Batch: 32307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18042-1	CS-1 (4')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

GC VOA (Continued)

Analysis Batch: 32307 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18042-2	CS-2 (4')	Total/NA	Solid	Total BTEX	
880-18042-3	CS-3 (4')	Total/NA	Solid	Total BTEX	
880-18042-4	CS-4 (4')	Total/NA	Solid	Total BTEX	
880-18042-5	CS-5 (4')	Total/NA	Solid	Total BTEX	
880-18042-6	CS-6 (4')	Total/NA	Solid	Total BTEX	
880-18042-7	CS-7 (4')	Total/NA	Solid	Total BTEX	
880-18042-8	CS-8 (2')	Total/NA	Solid	Total BTEX	
880-18042-9	CS-9 (2')	Total/NA	Solid	Total BTEX	
880-18042-10	SW-1	Total/NA	Solid	Total BTEX	
880-18042-11	SW-2	Total/NA	Solid	Total BTEX	
880-18042-12	SW-3	Total/NA	Solid	Total BTEX	
880-18042-13	SW-4	Total/NA	Solid	Total BTEX	
880-18042-14	SW-5	Total/NA	Solid	Total BTEX	
880-18042-15	SW-6	Total/NA	Solid	Total BTEX	
880-18042-16	SW-7	Total/NA	Solid	Total BTEX	
880-18042-17	SW-8	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 32049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18042-1	CS-1 (4')	Total/NA	Solid	8015B NM	32104
880-18042-2	CS-2 (4')	Total/NA	Solid	8015B NM	32104
880-18042-3	CS-3 (4')	Total/NA	Solid	8015B NM	32104
880-18042-4	CS-4 (4')	Total/NA	Solid	8015B NM	32104
880-18042-5	CS-5 (4')	Total/NA	Solid	8015B NM	32104
880-18042-6	CS-6 (4')	Total/NA	Solid	8015B NM	32104
880-18042-7	CS-7 (4')	Total/NA	Solid	8015B NM	32104
880-18042-8	CS-8 (2')	Total/NA	Solid	8015B NM	32104
880-18042-9	CS-9 (2')	Total/NA	Solid	8015B NM	32104
880-18042-10	SW-1	Total/NA	Solid	8015B NM	32104
880-18042-11	SW-2	Total/NA	Solid	8015B NM	32104
880-18042-12	SW-3	Total/NA	Solid	8015B NM	32104
880-18042-13	SW-4	Total/NA	Solid	8015B NM	32104
880-18042-14	SW-5	Total/NA	Solid	8015B NM	32104
880-18042-15	SW-6	Total/NA	Solid	8015B NM	32104
880-18042-16	SW-7	Total/NA	Solid	8015B NM	32104
880-18042-17	SW-8	Total/NA	Solid	8015B NM	32104
MB 880-32104/1-A	Method Blank	Total/NA	Solid	8015B NM	32104
LCS 880-32104/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	32104
LCSD 880-32104/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	32104
880-18042-1 MS	CS-1 (4')	Total/NA	Solid	8015B NM	32104
880-18042-1 MSD	CS-1 (4')	Total/NA	Solid	8015B NM	32104

Prep Batch: 32104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18042-1	CS-1 (4')	Total/NA	Solid	8015NM Prep	
880-18042-2	CS-2 (4')	Total/NA	Solid	8015NM Prep	
880-18042-3	CS-3 (4')	Total/NA	Solid	8015NM Prep	
880-18042-4	CS-4 (4')	Total/NA	Solid	8015NM Prep	
880-18042-5	CS-5 (4')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

GC Semi VOA (Continued)

Prep Batch: 32104 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18042-6	CS-6 (4')	Total/NA	Solid	8015NM Prep	
880-18042-7	CS-7 (4')	Total/NA	Solid	8015NM Prep	
880-18042-8	CS-8 (2')	Total/NA	Solid	8015NM Prep	
880-18042-9	CS-9 (2')	Total/NA	Solid	8015NM Prep	
880-18042-10	SW-1	Total/NA	Solid	8015NM Prep	
880-18042-11	SW-2	Total/NA	Solid	8015NM Prep	
880-18042-12	SW-3	Total/NA	Solid	8015NM Prep	
880-18042-13	SW-4	Total/NA	Solid	8015NM Prep	
880-18042-14	SW-5	Total/NA	Solid	8015NM Prep	
880-18042-15	SW-6	Total/NA	Solid	8015NM Prep	
880-18042-16	SW-7	Total/NA	Solid	8015NM Prep	
880-18042-17	SW-8	Total/NA	Solid	8015NM Prep	
MB 880-32104/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-32104/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-32104/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-18042-1 MS	CS-1 (4')	Total/NA	Solid	8015NM Prep	
880-18042-1 MSD	CS-1 (4')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 32156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18042-1	CS-1 (4')	Total/NA	Solid	8015 NM	
880-18042-2	CS-2 (4')	Total/NA	Solid	8015 NM	
880-18042-3	CS-3 (4')	Total/NA	Solid	8015 NM	
880-18042-4	CS-4 (4')	Total/NA	Solid	8015 NM	
880-18042-5	CS-5 (4')	Total/NA	Solid	8015 NM	
880-18042-6	CS-6 (4')	Total/NA	Solid	8015 NM	
880-18042-7	CS-7 (4')	Total/NA	Solid	8015 NM	
880-18042-8	CS-8 (2')	Total/NA	Solid	8015 NM	
880-18042-9	CS-9 (2')	Total/NA	Solid	8015 NM	
880-18042-10	SW-1	Total/NA	Solid	8015 NM	
880-18042-11	SW-2	Total/NA	Solid	8015 NM	
880-18042-12	SW-3	Total/NA	Solid	8015 NM	
880-18042-13	SW-4	Total/NA	Solid	8015 NM	
880-18042-14	SW-5	Total/NA	Solid	8015 NM	
880-18042-15	SW-6	Total/NA	Solid	8015 NM	
880-18042-16	SW-7	Total/NA	Solid	8015 NM	
880-18042-17	SW-8	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 32166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18042-1	CS-1 (4')	Soluble	Solid	DI Leach	
880-18042-2	CS-2 (4')	Soluble	Solid	DI Leach	
880-18042-3	CS-3 (4')	Soluble	Solid	DI Leach	
880-18042-4	CS-4 (4')	Soluble	Solid	DI Leach	
880-18042-5	CS-5 (4')	Soluble	Solid	DI Leach	
880-18042-6	CS-6 (4')	Soluble	Solid	DI Leach	
880-18042-7	CS-7 (4')	Soluble	Solid	DI Leach	
880-18042-8	CS-8 (2')	Soluble	Solid	DI Leach	
880-18042-9	CS-9 (2')	Soluble	Solid	DI Leach	

QC Association Summary

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

HPLC/IC (Continued)

Leach Batch: 32166 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18042-10	SW-1	Soluble	Solid	DI Leach	
880-18042-11	SW-2	Soluble	Solid	DI Leach	
880-18042-12	SW-3	Soluble	Solid	DI Leach	
880-18042-13	SW-4	Soluble	Solid	DI Leach	
880-18042-14	SW-5	Soluble	Solid	DI Leach	
880-18042-15	SW-6	Soluble	Solid	DI Leach	
880-18042-16	SW-7	Soluble	Solid	DI Leach	
880-18042-17	SW-8	Soluble	Solid	DI Leach	
MB 880-32166/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-32166/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-32166/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-18042-1 MS	CS-1 (4')	Soluble	Solid	DI Leach	
880-18042-1 MSD	CS-1 (4')	Soluble	Solid	DI Leach	
880-18042-11 MS	SW-2	Soluble	Solid	DI Leach	
880-18042-11 MSD	SW-2	Soluble	Solid	DI Leach	

Analysis Batch: 32251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18042-1	CS-1 (4')	Soluble	Solid	300.0	32166
880-18042-2	CS-2 (4')	Soluble	Solid	300.0	32166
880-18042-3	CS-3 (4')	Soluble	Solid	300.0	32166
880-18042-4	CS-4 (4')	Soluble	Solid	300.0	32166
880-18042-5	CS-5 (4')	Soluble	Solid	300.0	32166
880-18042-6	CS-6 (4')	Soluble	Solid	300.0	32166
880-18042-7	CS-7 (4')	Soluble	Solid	300.0	32166
880-18042-8	CS-8 (2')	Soluble	Solid	300.0	32166
880-18042-9	CS-9 (2')	Soluble	Solid	300.0	32166
880-18042-10	SW-1	Soluble	Solid	300.0	32166
880-18042-11	SW-2	Soluble	Solid	300.0	32166
880-18042-12	SW-3	Soluble	Solid	300.0	32166
880-18042-13	SW-4	Soluble	Solid	300.0	32166
880-18042-14	SW-5	Soluble	Solid	300.0	32166
880-18042-15	SW-6	Soluble	Solid	300.0	32166
880-18042-16	SW-7	Soluble	Solid	300.0	32166
880-18042-17	SW-8	Soluble	Solid	300.0	32166
MB 880-32166/1-A	Method Blank	Soluble	Solid	300.0	32166
LCS 880-32166/2-A	Lab Control Sample	Soluble	Solid	300.0	32166
LCSD 880-32166/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	32166
880-18042-1 MS	CS-1 (4')	Soluble	Solid	300.0	32166
880-18042-1 MSD	CS-1 (4')	Soluble	Solid	300.0	32166
880-18042-11 MS	SW-2	Soluble	Solid	300.0	32166
880-18042-11 MSD	SW-2	Soluble	Solid	300.0	32166

Lab Chronicle

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Client Sample ID: CS-1 (4')

Lab Sample ID: 880-18042-1
Matrix: Solid
Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

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	32282	08/16/22 20:36	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32280	08/16/22 23:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32307	08/17/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32156	08/15/22 10:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32104	08/12/22 14:26	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/12/22 21:51	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	32166	08/15/22 11:32	KS	EET MID
Soluble	Analysis	300.0		1			32251	08/18/22 00:11	CH	EET MID

Client Sample ID: CS-2 (4')

Lab Sample ID: 880-18042-2
Matrix: Solid
Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

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	32282	08/16/22 20:36	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32280	08/16/22 23:26	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32307	08/17/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32156	08/15/22 10:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32104	08/12/22 14:26	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/12/22 22:56	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	32166	08/15/22 11:32	KS	EET MID
Soluble	Analysis	300.0		1			32251	08/18/22 00:35	CH	EET MID

Client Sample ID: CS-3 (4')

Lab Sample ID: 880-18042-3
Matrix: Solid
Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

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	32282	08/16/22 20:36	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32280	08/16/22 23:47	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32307	08/17/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32156	08/15/22 10:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32104	08/12/22 14:26	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/12/22 23:18	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	32166	08/15/22 11:32	KS	EET MID
Soluble	Analysis	300.0		1			32251	08/18/22 00:43	CH	EET MID

Client Sample ID: CS-4 (4')

Lab Sample ID: 880-18042-4
Matrix: Solid
Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

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	32282	08/16/22 20:36	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32280	08/17/22 00:07	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32307	08/17/22 09:03	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Client Sample ID: CS-4 (4')

Lab Sample ID: 880-18042-4
Matrix: Solid
Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

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			32156	08/15/22 10:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	32104	08/12/22 14:26	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/12/22 23:39	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	32166	08/15/22 11:32	KS	EET MID
Soluble	Analysis	300.0		1			32251	08/18/22 00:51	CH	EET MID

Client Sample ID: CS-5 (4')

Lab Sample ID: 880-18042-5
Matrix: Solid
Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

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	32282	08/16/22 20:36	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32280	08/17/22 00:28	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32307	08/17/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32156	08/15/22 10:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32104	08/12/22 14:26	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/13/22 00:01	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	32166	08/15/22 11:32	KS	EET MID
Soluble	Analysis	300.0		1			32251	08/18/22 00:58	CH	EET MID

Client Sample ID: CS-6 (4')

Lab Sample ID: 880-18042-6
Matrix: Solid
Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

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	32282	08/16/22 20:36	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32280	08/17/22 00:48	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32307	08/17/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32156	08/15/22 10:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32104	08/12/22 14:26	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/13/22 00:23	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	32166	08/15/22 11:32	KS	EET MID
Soluble	Analysis	300.0		1			32251	08/18/22 01:22	CH	EET MID

Client Sample ID: CS-7 (4')

Lab Sample ID: 880-18042-7
Matrix: Solid
Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

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	32282	08/16/22 20:36	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32280	08/17/22 01:09	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32307	08/17/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32156	08/15/22 10:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32104	08/12/22 14:26	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/13/22 00:44	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Client Sample ID: CS-7 (4')

Lab Sample ID: 880-18042-7
Date Collected: 08/12/22 00:00
Matrix: Solid
Date Received: 08/12/22 12:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	32166	08/15/22 11:32	KS	EET MID
Soluble	Analysis	300.0		1			32251	08/18/22 01:30	CH	EET MID

Client Sample ID: CS-8 (2')

Lab Sample ID: 880-18042-8
Date Collected: 08/12/22 00:00
Matrix: Solid
Date Received: 08/12/22 12:22

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	32282	08/16/22 20:36	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32280	08/17/22 01:30	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32307	08/17/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32156	08/15/22 10:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32104	08/12/22 14:26	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/13/22 01:06	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	32166	08/15/22 11:32	KS	EET MID
Soluble	Analysis	300.0		1			32251	08/18/22 01:38	CH	EET MID

Client Sample ID: CS-9 (2')

Lab Sample ID: 880-18042-9
Date Collected: 08/12/22 00:00
Matrix: Solid
Date Received: 08/12/22 12:22

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	32282	08/16/22 20:36	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32280	08/17/22 01:50	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32307	08/17/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32156	08/15/22 10:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32104	08/12/22 14:26	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/13/22 01:27	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	32166	08/15/22 11:32	KS	EET MID
Soluble	Analysis	300.0		1			32251	08/18/22 01:46	CH	EET MID

Client Sample ID: SW-1

Lab Sample ID: 880-18042-10
Date Collected: 08/12/22 00:00
Matrix: Solid
Date Received: 08/12/22 12:22

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	32282	08/16/22 20:36	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32280	08/17/22 02:11	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32307	08/17/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32156	08/15/22 10:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32104	08/12/22 14:26	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/13/22 01:49	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	32166	08/15/22 11:32	KS	EET MID
Soluble	Analysis	300.0		1			32251	08/18/22 01:53	CH	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Client Sample ID: SW-2

Lab Sample ID: 880-18042-11
Matrix: Solid
Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

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	32282	08/16/22 20:36	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32280	08/17/22 03:35	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32307	08/17/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32156	08/15/22 10:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32104	08/12/22 14:26	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/13/22 02:32	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	32166	08/15/22 11:32	KS	EET MID
Soluble	Analysis	300.0		1			32251	08/18/22 02:01	CH	EET MID

Client Sample ID: SW-3

Lab Sample ID: 880-18042-12
Matrix: Solid
Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

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	32282	08/16/22 20:36	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32280	08/17/22 03:55	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32307	08/17/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32156	08/15/22 10:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32104	08/12/22 14:26	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/13/22 02:54	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	32166	08/15/22 11:32	KS	EET MID
Soluble	Analysis	300.0		1			32251	08/18/22 02:25	CH	EET MID

Client Sample ID: SW-4

Lab Sample ID: 880-18042-13
Matrix: Solid
Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

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	32282	08/16/22 20:36	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32280	08/17/22 04:16	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32307	08/17/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32156	08/15/22 10:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32104	08/12/22 14:26	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/13/22 03:15	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	32166	08/15/22 11:32	KS	EET MID
Soluble	Analysis	300.0		1			32251	08/18/22 02:33	CH	EET MID

Client Sample ID: SW-5

Lab Sample ID: 880-18042-14
Matrix: Solid
Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

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	32282	08/16/22 20:36	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32280	08/17/22 04:37	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32307	08/17/22 09:03	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Client Sample ID: SW-5

Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

Lab Sample ID: 880-18042-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			32156	08/15/22 10:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32104	08/12/22 14:26	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/13/22 03:37	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	32166	08/15/22 11:32	KS	EET MID
Soluble	Analysis	300.0		1			32251	08/18/22 02:56	CH	EET MID

Client Sample ID: SW-6

Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

Lab Sample ID: 880-18042-15
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			4.95 g	5 mL	32282	08/16/22 20:36	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32280	08/17/22 04:57	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32307	08/17/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32156	08/15/22 10:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32104	08/12/22 14:26	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/13/22 03:58	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	32166	08/15/22 11:32	KS	EET MID
Soluble	Analysis	300.0		1			32251	08/18/22 03:04	CH	EET MID

Client Sample ID: SW-7

Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

Lab Sample ID: 880-18042-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	32282	08/16/22 20:36	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32280	08/17/22 05:18	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32307	08/17/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32156	08/15/22 10:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32104	08/12/22 14:26	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/13/22 04:20	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	32166	08/15/22 11:32	KS	EET MID
Soluble	Analysis	300.0		1			32251	08/18/22 03:12	CH	EET MID

Client Sample ID: SW-8

Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

Lab Sample ID: 880-18042-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	32282	08/16/22 20:36	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32280	08/17/22 05:39	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32307	08/17/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32156	08/15/22 10:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32104	08/12/22 14:26	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/13/22 04:41	SM	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Client Sample ID: SW-8

Date Collected: 08/12/22 00:00
Date Received: 08/12/22 12:22

Lab Sample ID: 880-18042-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	32166	08/15/22 11:32	KS	EET MID
Soluble	Analysis	300.0		1			32251	08/18/22 03:20	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET 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:

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

Sample Summary

Client: NT Global
Project/Site: Ironhouse 24 State Com 2

Job ID: 880-18042-1
SDG: Lea Co., NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-18042-1	CS-1 (4')	Solid	08/12/22 00:00	08/12/22 12:22
880-18042-2	CS-2 (4')	Solid	08/12/22 00:00	08/12/22 12:22
880-18042-3	CS-3 (4')	Solid	08/12/22 00:00	08/12/22 12:22
880-18042-4	CS-4 (4')	Solid	08/12/22 00:00	08/12/22 12:22
880-18042-5	CS-5 (4')	Solid	08/12/22 00:00	08/12/22 12:22
880-18042-6	CS-6 (4')	Solid	08/12/22 00:00	08/12/22 12:22
880-18042-7	CS-7 (4')	Solid	08/12/22 00:00	08/12/22 12:22
880-18042-8	CS-8 (2')	Solid	08/12/22 00:00	08/12/22 12:22
880-18042-9	CS-9 (2')	Solid	08/12/22 00:00	08/12/22 12:22
880-18042-10	SW-1	Solid	08/12/22 00:00	08/12/22 12:22
880-18042-11	SW-2	Solid	08/12/22 00:00	08/12/22 12:22
880-18042-12	SW-3	Solid	08/12/22 00:00	08/12/22 12:22
880-18042-13	SW-4	Solid	08/12/22 00:00	08/12/22 12:22
880-18042-14	SW-5	Solid	08/12/22 00:00	08/12/22 12:22
880-18042-15	SW-6	Solid	08/12/22 00:00	08/12/22 12:22
880-18042-16	SW-7	Solid	08/12/22 00:00	08/12/22 12:22
880-18042-17	SW-8	Solid	08/12/22 00:00	08/12/22 12:22

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: 18042

Page 1 of 2

Project Manager	Gordon Banks	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address	701 Tradewinds BLVD	Address.	
City, State ZIP	Midland, TX 79706	City, State ZIP	
Phone		Email	GBanks@ntglobal com

Work Order Comments

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

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Ironhouse 24 State Com 2	Turn Around	
Project Number	214799	☐ Routine ☑ Rush	
Project Location	Lea Co, NM	Due Date	72 Hrs
Sampler's Name:	NH	TAT starts the day received by the lab, if received by 4 30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR8
Cooler Custody Seals	Yes No (N/A)	Correction Factor	.20
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	5.8
Total Containers.		Corrected Temperature.	6.0

ANALYSIS REQUEST

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL HC; HNO_3 HN; H_2SO_4 H_2; NaOH Na; H_3PO_4 HP; $NaHSO_4$ NABIS; $Na_2S_2O_3$ $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
CS-1 (4')	8/12/2022	-	X	-	C	1		X	X	X		
CS-2 (4')	8/12/2022	-	X	-	C	1		X	X	X		
CS-3 (4')	8/12/2022	-	X	-	C	1		X	X	X		
CS-4 (4')	8/12/2022	-	X	-	C	1		X	X	X		
CS-5 (4')	8/12/2022	-	X	-	C	1		X	X	X		
CS-6 (4')	8/12/2022	-	X	-	C	1		X	X	X		
CS-7 (4')	8/12/2022	-	X	-	C	1		X	X	X		
CS-8 (2')	8/12/2022	-	X	-	C	1		X	X	X		
CS-9 (2')	8/12/2022	-	X	-	C	1		X	X	X		
SW-1	8/12/2022	-	X	-	C	1		X	X	X		

880-18042 Chain of Custody

Additoinal Comments:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Nicholas		8/12/22 12:22	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: 18042

Page 2 of 2

Project Manager	Gordon Banks	Bill to: (if different)	
Company Name	NTG Environmental	Company Name	
Address.	701 Tradewinds BLVD	Address.	
City, State ZIP	Midland, TX 79706	City, State ZIP	
Phone:		Email	GBanks@ntglobal.com

Work Order Comments

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

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name.	Ironhouse 24 State Com 2	Turn Around			
Project Number	214799	☐ Routine	☑ Rush		
Project Location	Lea Co, NM	Due Date	72 Hrs		
Sampler's Name:	NH	TAT starts the day received by the lab if received by 4 30pm			
PO #:					
SAMPLE RECEIPT	Temp Blank. Yes No	Wet Ice: Yes No			
Received Intact:	Yes No	Thermometer ID			
Cooler Custody Seals.	Yes No N/A	Correction Factor			
Sample Custody Seals.	Yes No N/A	Temperature Reading			
Total Containers.		Corrected Temperature:			

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL HC HNO_3 HN

H_2S0_4 H_2 NaOH Na

H_3PO_4 HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$. $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
SW-2	8/12/2022	-	X	-	C	1		X	X	X		
SW-3	8/12/2022	-	X	-	C	1		X	X	X		
SW-4	8/12/2022	-	X	-	C	1		X	X	X		
SW-5	8/12/2022	-	X	-	C	1		X	X	X		
SW-6	8/12/2022	-	X	-	C	1		X	X	X		
SW-7	8/12/2022	-	X	-	C	1		X	X	X		
SW-8	8/12/2022	-	X	-	C	1		X	X	X		

Loc: 880
18042

Additoinal Comments:

	Relinquished by (Signature)	Received by: (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1	Nick Hard		8/12/22	2		
3			12:22	4		
5				6		

Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-18042-1
SDG Number: Lea Co., NM

Login Number: 18042
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 880-19019-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Ironhouse 24 State Com #002H

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Gordon Banks

JKramer

Authorized for release by:
9/21/2022 5:14:33 PM

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Client: NT Global
Project/Site: Ironhouse 24 State Com #002H

Laboratory Job ID: 880-19019-1
SDG: Lea Co, NM

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: Ironhouse 24 State Com #002H

Job ID: 880-19019-1
SDG: Lea Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD 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.
¤	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: Ironhouse 24 State Com #002H

Job ID: 880-19019-1
SDG: Lea Co, NM

Job ID: 880-19019-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-19019-1

Receipt
The samples were received on 9/8/2022 5:09 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 5.5°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-34693 and analytical batch 880-34745 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-34858 and analytical batch 880-34895 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.

GC Semi VOA
Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-34030 and analytical batch 880-34046 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-34030 and analytical batch 880-34046 was outside control limits. Sample non-homogeneity is suspected.

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: Ironhouse 24 State Com #002H

Job ID: 880-19019-1
SDG: Lea Co, NM

Client Sample ID: CS-2 (4.5')

Lab Sample ID: 880-19019-1
Matrix: Solid
Date Collected: 09/08/22 00:00
Date Received: 09/08/22 17:09

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F2 F1	0.00201		mg/Kg		09/19/22 15:06	09/21/22 05:41	1
Toluene	<0.00201	U F2 F1	0.00201		mg/Kg		09/19/22 15:06	09/21/22 05:41	1
Ethylbenzene	<0.00201	U F2 F1	0.00201		mg/Kg		09/19/22 15:06	09/21/22 05:41	1
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.00402		mg/Kg		09/19/22 15:06	09/21/22 05:41	1
o-Xylene	<0.00201	U F2 F1	0.00201		mg/Kg		09/19/22 15:06	09/21/22 05:41	1
Xylenes, Total	<0.00402	U F2 F1	0.00402		mg/Kg		09/19/22 15:06	09/21/22 05:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*09/19/22 15:06*	*09/21/22 05:41*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*09/19/22 15:06*	*09/21/22 05:41*	*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			09/19/22 09:42	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			09/12/22 09:55	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 *1	49.9		mg/Kg		09/09/22 11:40	09/10/22 01:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/09/22 11:40	09/10/22 01:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/09/22 11:40	09/10/22 01:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*09/09/22 11:40*	*09/10/22 01:27*	*1*
o-Terphenyl	*96*		*70 - 130*	*09/09/22 11:40*	*09/10/22 01:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**146**		5.03		mg/Kg			09/13/22 06:24	1

Client Sample ID: CS-6 (4.5')

Lab Sample ID: 880-19019-2
Matrix: Solid
Date Collected: 09/08/22 00:00
Date Received: 09/08/22 17:09

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		09/19/22 15:06	09/21/22 06:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/22 15:06	09/21/22 06:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/22 15:06	09/21/22 06:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/22 15:06	09/21/22 06:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/22 15:06	09/21/22 06:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/22 15:06	09/21/22 06:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*09/19/22 15:06*	*09/21/22 06:02*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*09/19/22 15:06*	*09/21/22 06:02*	*1*

Client Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com #002H

Job ID: 880-19019-1
SDG: Lea Co, NM

Client Sample ID: CS-6 (4.5')

Lab Sample ID: 880-19019-2
Date Collected: 09/08/22 00:00
Matrix: Solid
Date Received: 09/08/22 17:09

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			09/19/22 09:42	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			09/12/22 09:55	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 *1	50.0		mg/Kg		09/09/22 11:40	09/10/22 01:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/09/22 11:40	09/10/22 01:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/09/22 11:40	09/10/22 01:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*09/09/22 11:40*	*09/10/22 01:49*	*1*
o-Terphenyl	*94*		*70 - 130*	*09/09/22 11:40*	*09/10/22 01:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	328		5.05		mg/Kg			09/13/22 06:29	1

Client Sample ID: SW-9

Lab Sample ID: 880-19019-3
Date Collected: 09/08/22 00:00
Matrix: Solid
Date Received: 09/08/22 17:09

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		09/19/22 15:06	09/21/22 06:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/22 15:06	09/21/22 06:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/22 15:06	09/21/22 06:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/22 15:06	09/21/22 06:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/22 15:06	09/21/22 06:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/22 15:06	09/21/22 06:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*09/19/22 15:06*	*09/21/22 06:22*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*09/19/22 15:06*	*09/21/22 06:22*	*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			09/19/22 09:42	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			09/12/22 09:55	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 *1	49.9		mg/Kg		09/09/22 11:40	09/10/22 02:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/09/22 11:40	09/10/22 02:10	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com #002H

Job ID: 880-19019-1
SDG: Lea Co, NM

Client Sample ID: SW-9

Lab Sample ID: 880-19019-3
Matrix: Solid
Date Collected: 09/08/22 00:00
Date Received: 09/08/22 17:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/09/22 11:40	09/10/22 02:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*09/09/22 11:40*	*09/10/22 02:10*	*1*
o-Terphenyl	*92*		*70 - 130*	*09/09/22 11:40*	*09/10/22 02:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.0**		4.97		mg/Kg			09/13/22 06:44	1

Client Sample ID: SW-10

Lab Sample ID: 880-19019-4
Matrix: Solid
Date Collected: 09/08/22 00:00
Date Received: 09/08/22 17:09

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		09/19/22 15:06	09/21/22 06:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/22 15:06	09/21/22 06:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/22 15:06	09/21/22 06:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/22 15:06	09/21/22 06:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/22 15:06	09/21/22 06:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/22 15:06	09/21/22 06:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*09/19/22 15:06*	*09/21/22 06:43*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*09/19/22 15:06*	*09/21/22 06:43*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/19/22 09:42	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			09/12/22 09:55	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 *1	50.0		mg/Kg		09/09/22 11:40	09/10/22 02:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/09/22 11:40	09/10/22 02:32	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/09/22 11:40	09/10/22 02:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*09/09/22 11:40*	*09/10/22 02:32*	*1*
o-Terphenyl	*86*		*70 - 130*	*09/09/22 11:40*	*09/10/22 02:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**293**		4.95		mg/Kg			09/13/22 06:48	1

Client Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com #002H

Job ID: 880-19019-1
SDG: Lea Co, NM

Client Sample ID: SW-11

Lab Sample ID: 880-19019-5
Matrix: Solid
Date Collected: 09/08/22 00:00
Date Received: 09/08/22 17:09

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		09/19/22 15:06	09/21/22 07:03	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/19/22 15:06	09/21/22 07:03	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/19/22 15:06	09/21/22 07:03	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/19/22 15:06	09/21/22 07:03	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/19/22 15:06	09/21/22 07:03	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/19/22 15:06	09/21/22 07:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*09/19/22 15:06*	*09/21/22 07:03*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*09/19/22 15:06*	*09/21/22 07:03*	*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			09/19/22 09:42	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			09/12/22 09:55	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 *1	49.9		mg/Kg		09/09/22 11:40	09/10/22 02:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/09/22 11:40	09/10/22 02:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/09/22 11:40	09/10/22 02:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*09/09/22 11:40*	*09/10/22 02:53*	*1*
o-Terphenyl	*91*		*70 - 130*	*09/09/22 11:40*	*09/10/22 02:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**116**		5.00		mg/Kg			09/13/22 06:53	1

Client Sample ID: SW-12

Lab Sample ID: 880-19019-6
Matrix: Solid
Date Collected: 09/08/22 00:00
Date Received: 09/08/22 17:09

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		09/16/22 16:25	09/19/22 07:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/16/22 16:25	09/19/22 07:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/16/22 16:25	09/19/22 07:15	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/16/22 16:25	09/19/22 07:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/16/22 16:25	09/19/22 07:15	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/16/22 16:25	09/19/22 07:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*09/16/22 16:25*	*09/19/22 07:15*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*09/16/22 16:25*	*09/19/22 07:15*	*1*

Client Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com #002H

Job ID: 880-19019-1
SDG: Lea Co, NM

Client Sample ID: SW-12

Date Collected: 09/08/22 00:00
Date Received: 09/08/22 17:09

Lab Sample ID: 880-19019-6

Matrix: Solid

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			09/19/22 09:42	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			09/12/22 09:55	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 *1	49.9		mg/Kg		09/09/22 11:40	09/10/22 03:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/09/22 11:40	09/10/22 03:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/09/22 11:40	09/10/22 03:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*09/09/22 11:40*	*09/10/22 03:15*	*1*
o-Terphenyl	*91*		*70 - 130*	*09/09/22 11:40*	*09/10/22 03:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**261**		5.02		mg/Kg			09/13/22 06:58	1

Surrogate Summary

Client: NT Global
Project/Site: Ironhouse 24 State Com #002H

Job ID: 880-19019-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-19019-1	CS-2 (4.5')	91	113
880-19019-1 MS	CS-2 (4.5')	117	114
880-19019-1 MSD	CS-2 (4.5')	92	112
880-19019-2	CS-6 (4.5')	93	105
880-19019-3	SW-9	95	109
880-19019-4	SW-10	96	110
880-19019-5	SW-11	92	111
880-19019-6	SW-12	100	101
880-19317-A-1-G MS	Matrix Spike	108	94
880-19317-A-1-H MSD	Matrix Spike Duplicate	106	99
LCS 880-34693/1-A	Lab Control Sample	107	98
LCS 880-34858/1-A	Lab Control Sample	91	102
LCSD 880-34693/2-A	Lab Control Sample Dup	106	99
LCSD 880-34858/2-A	Lab Control Sample Dup	94	103
MB 880-34410/5-B	Method Blank	104	117
MB 880-34692/5-A	Method Blank	102	116
MB 880-34693/5-A	Method Blank	101	112
MB 880-34858/5-A	Method Blank	104	116

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-18986-A-41-E MS	Matrix Spike	96	87
880-18986-A-41-F MSD	Matrix Spike Duplicate	127	103
880-19019-1	CS-2 (4.5')	101	96
880-19019-2	CS-6 (4.5')	98	94
880-19019-3	SW-9	95	92
880-19019-4	SW-10	91	86
880-19019-5	SW-11	94	91
880-19019-6	SW-12	95	91
LCS 880-34030/2-A	Lab Control Sample	110	111
LCSD 880-34030/3-A	Lab Control Sample Dup	110	114
MB 880-34030/1-A	Method Blank	115	114

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com #002H

Job ID: 880-19019-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-34410/5-B
Matrix: Solid
Analysis Batch: 34745

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34410

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:00	09/18/22 17:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:00	09/18/22 17:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:00	09/18/22 17:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/13/22 14:00	09/18/22 17:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:00	09/18/22 17:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/13/22 14:00	09/18/22 17:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*09/13/22 14:00*	*09/18/22 17:48*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*09/13/22 14:00*	*09/18/22 17:48*	*1*

Lab Sample ID: MB 880-34692/5-A
Matrix: Solid
Analysis Batch: 34895

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34692

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/16/22 16:15	09/20/22 17:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/16/22 16:15	09/20/22 17:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/16/22 16:15	09/20/22 17:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/16/22 16:15	09/20/22 17:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/16/22 16:15	09/20/22 17:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/16/22 16:15	09/20/22 17:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*09/16/22 16:15*	*09/20/22 17:37*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*09/16/22 16:15*	*09/20/22 17:37*	*1*

Lab Sample ID: MB 880-34693/5-A
Matrix: Solid
Analysis Batch: 34745

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34693

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/16/22 16:25	09/19/22 05:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/16/22 16:25	09/19/22 05:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/16/22 16:25	09/19/22 05:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/16/22 16:25	09/19/22 05:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/16/22 16:25	09/19/22 05:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/16/22 16:25	09/19/22 05:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*09/16/22 16:25*	*09/19/22 05:25*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*09/16/22 16:25*	*09/19/22 05:25*	*1*

QC Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com #002H

Job ID: 880-19019-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-34693/1-A
Matrix: Solid
Analysis Batch: 34745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34693

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08533		mg/Kg		85	70 - 130		
Toluene			0.100	0.08574		mg/Kg		86	70 - 130		
Ethylbenzene			0.100	0.08382		mg/Kg		84	70 - 130		
m-Xylene & p-Xylene			0.200	0.1705		mg/Kg		85	70 - 130		
o-Xylene			0.100	0.08599		mg/Kg		86	70 - 130		

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

Lab Sample ID: LCSD 880-34693/2-A
Matrix: Solid
Analysis Batch: 34745

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 34693

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08638		mg/Kg		86	70 - 130	1	35
Toluene			0.100	0.08834		mg/Kg		88	70 - 130	3	35
Ethylbenzene			0.100	0.08742		mg/Kg		87	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.1843		mg/Kg		92	70 - 130	8	35
o-Xylene			0.100	0.09310		mg/Kg		93	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-19317-A-1-G MS
Matrix: Solid
Analysis Batch: 34745

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 34693

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U F1	0.0998	0.06447	F1	mg/Kg		65	70 - 130		
Toluene	<0.00199	U F1	0.0998	0.06048	F1	mg/Kg		61	70 - 130		
Ethylbenzene	<0.00199	U F1	0.0998	0.06015	F1	mg/Kg		60	70 - 130		
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1217	F1	mg/Kg		61	70 - 130		
o-Xylene	<0.00199	U F1	0.0998	0.06506	F1	mg/Kg		65	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-19317-A-1-H MSD
Matrix: Solid
Analysis Batch: 34745

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 34693

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.100	0.07072		mg/Kg		70	70 - 130	9	35
Toluene	<0.00199	U F1	0.100	0.05975	F1	mg/Kg		60	70 - 130	1	35
Ethylbenzene	<0.00199	U F1	0.100	0.05638	F1	mg/Kg		56	70 - 130	6	35

QC Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com #002H

Job ID: 880-19019-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-19317-A-1-H MSD
Matrix: Solid
Analysis Batch: 34745

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 34693

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U F1	0.201	0.1156	F1	mg/Kg		58	70 - 130	5	35
o-Xylene	<0.00199	U F1	0.100	0.06056	F1	mg/Kg		60	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 880-34858/5-A
Matrix: Solid
Analysis Batch: 34895

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34858

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/22 15:06	09/21/22 05:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/22 15:06	09/21/22 05:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/22 15:06	09/21/22 05:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/22 15:06	09/21/22 05:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/22 15:06	09/21/22 05:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/19/22 15:06	09/21/22 05:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*09/19/22 15:06*	*09/21/22 05:13*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*09/19/22 15:06*	*09/21/22 05:13*	*1*

Lab Sample ID: LCS 880-34858/1-A
Matrix: Solid
Analysis Batch: 34895

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34858

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09802		mg/Kg		98	70 - 130
Toluene	0.100	0.08583		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.08534		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1780		mg/Kg		89	70 - 130
o-Xylene	0.100	0.08903		mg/Kg		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-34858/2-A
Matrix: Solid
Analysis Batch: 34895

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 34858

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09393		mg/Kg		94	70 - 130	4	35
Toluene	0.100	0.08451		mg/Kg		85	70 - 130	2	35
Ethylbenzene	0.100	0.08316		mg/Kg		83	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1731		mg/Kg		87	70 - 130	3	35
o-Xylene	0.100	0.08797		mg/Kg		88	70 - 130	1	35

Eurofins Midland

QC Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com #002H

Job ID: 880-19019-1
SDG: Lea Co, NM

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-19019-1 MS — **Client Sample ID: CS-2 (4.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34895 — **Prep Batch: 34858**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F2 F1	0.0998	0.04876	F1	mg/Kg		49	70 - 130
Toluene	<0.00201	U F2 F1	0.0998	0.04594	F1	mg/Kg		46	70 - 130
Ethylbenzene	<0.00201	U F2 F1	0.0998	0.04536	F1	mg/Kg		45	70 - 130
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.200	0.09537	F1	mg/Kg		48	70 - 130
o-Xylene	<0.00201	U F2 F1	0.0998	0.05511	F1	mg/Kg		55	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: 880-19019-1 MSD — **Client Sample ID: CS-2 (4.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34895 — **Prep Batch: 34858**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F2 F1	0.0990	0.1026	F2	mg/Kg		104	70 - 130	71	35
Toluene	<0.00201	U F2 F1	0.0990	0.08240	F2	mg/Kg		83	70 - 130	57	35
Ethylbenzene	<0.00201	U F2 F1	0.0990	0.07768	F2	mg/Kg		78	70 - 130	53	35
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.198	0.1614	F2	mg/Kg		82	70 - 130	51	35
o-Xylene	<0.00201	U F2 F1	0.0990	0.08266	F2	mg/Kg		83	70 - 130	40	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

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

Lab Sample ID: MB 880-34030/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34046 — **Prep Batch: 34030**

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		09/08/22 15:39	09/09/22 18:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/08/22 15:39	09/09/22 18:37	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/08/22 15:39	09/09/22 18:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	09/08/22 15:39	09/09/22 18:37	1
o-Terphenyl	114		70 - 130	09/08/22 15:39	09/09/22 18:37	1

QC Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com #002H

Job ID: 880-19019-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-34030/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34046 — **Prep Batch: 34030**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	820.5		mg/Kg		82	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	841.9		mg/Kg		84	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Lab Sample ID: LCSD 880-34030/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34046 — **Prep Batch: 34030**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1009	*1	mg/Kg		101	70 - 130	21	20
Diesel Range Organics (Over C10-C28)			1000	877.9		mg/Kg		88	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*114*		*70 - 130*

Lab Sample ID: 880-18986-A-41-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34046 — **Prep Batch: 34030**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1 F2	999	865.6		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	999	986.2		mg/Kg		96	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*
o-Terphenyl	*87*		*70 - 130*

Lab Sample ID: 880-18986-A-41-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34046 — **Prep Batch: 34030**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1 F2	996	1148	F2	mg/Kg		115	70 - 130	28	20
Diesel Range Organics (Over C10-C28)	<50.0	U	996	1143		mg/Kg		112	70 - 130	15	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*127*		*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: Ironhouse 24 State Com #002H

Job ID: 880-19019-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-18986-A-41-F MSD
Matrix: Solid
Analysis Batch: 34046

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 34030

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-34057/1-A
Matrix: Solid
Analysis Batch: 34315

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			09/13/22 04:47	1

Lab Sample ID: LCS 880-34057/2-A
Matrix: Solid
Analysis Batch: 34315

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	242.0		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-34057/3-A
Matrix: Solid
Analysis Batch: 34315

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	242.5		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-19018-A-2-B MS
Matrix: Solid
Analysis Batch: 34315

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	124		250	367.9		mg/Kg		98	90 - 110		

Lab Sample ID: 880-19018-A-2-C MSD
Matrix: Solid
Analysis Batch: 34315

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	124		250	367.8		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: NT Global
Project/Site: Ironhouse 24 State Com #002H

Job ID: 880-19019-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 34410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-34410/5-B	Method Blank	Total/NA	Solid	5035	

Prep Batch: 34692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-34692/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 34693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19019-6	SW-12	Total/NA	Solid	5035	
MB 880-34693/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-34693/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-34693/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19317-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
880-19317-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 34745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19019-6	SW-12	Total/NA	Solid	8021B	34693
MB 880-34410/5-B	Method Blank	Total/NA	Solid	8021B	34410
MB 880-34693/5-A	Method Blank	Total/NA	Solid	8021B	34693
LCS 880-34693/1-A	Lab Control Sample	Total/NA	Solid	8021B	34693
LCSD 880-34693/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	34693
880-19317-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	34693
880-19317-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	34693

Analysis Batch: 34793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19019-1	CS-2 (4.5')	Total/NA	Solid	Total BTEX	
880-19019-2	CS-6 (4.5')	Total/NA	Solid	Total BTEX	
880-19019-3	SW-9	Total/NA	Solid	Total BTEX	
880-19019-4	SW-10	Total/NA	Solid	Total BTEX	
880-19019-5	SW-11	Total/NA	Solid	Total BTEX	
880-19019-6	SW-12	Total/NA	Solid	Total BTEX	

Prep Batch: 34858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19019-1	CS-2 (4.5')	Total/NA	Solid	5035	
880-19019-2	CS-6 (4.5')	Total/NA	Solid	5035	
880-19019-3	SW-9	Total/NA	Solid	5035	
880-19019-4	SW-10	Total/NA	Solid	5035	
880-19019-5	SW-11	Total/NA	Solid	5035	
MB 880-34858/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-34858/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-34858/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19019-1 MS	CS-2 (4.5')	Total/NA	Solid	5035	
880-19019-1 MSD	CS-2 (4.5')	Total/NA	Solid	5035	

Analysis Batch: 34895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19019-1	CS-2 (4.5')	Total/NA	Solid	8021B	34858
880-19019-2	CS-6 (4.5')	Total/NA	Solid	8021B	34858

QC Association Summary

Client: NT Global
Project/Site: Ironhouse 24 State Com #002H

Job ID: 880-19019-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 34895 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19019-3	SW-9	Total/NA	Solid	8021B	34858
880-19019-4	SW-10	Total/NA	Solid	8021B	34858
880-19019-5	SW-11	Total/NA	Solid	8021B	34858
MB 880-34692/5-A	Method Blank	Total/NA	Solid	8021B	34692
MB 880-34858/5-A	Method Blank	Total/NA	Solid	8021B	34858
LCS 880-34858/1-A	Lab Control Sample	Total/NA	Solid	8021B	34858
LCSD 880-34858/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	34858
880-19019-1 MS	CS-2 (4.5')	Total/NA	Solid	8021B	34858
880-19019-1 MSD	CS-2 (4.5')	Total/NA	Solid	8021B	34858

GC Semi VOA

Prep Batch: 34030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19019-1	CS-2 (4.5')	Total/NA	Solid	8015NM Prep	
880-19019-2	CS-6 (4.5')	Total/NA	Solid	8015NM Prep	
880-19019-3	SW-9	Total/NA	Solid	8015NM Prep	
880-19019-4	SW-10	Total/NA	Solid	8015NM Prep	
880-19019-5	SW-11	Total/NA	Solid	8015NM Prep	
880-19019-6	SW-12	Total/NA	Solid	8015NM Prep	
MB 880-34030/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-34030/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-34030/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-18986-A-41-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-18986-A-41-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 34046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19019-1	CS-2 (4.5')	Total/NA	Solid	8015B NM	34030
880-19019-2	CS-6 (4.5')	Total/NA	Solid	8015B NM	34030
880-19019-3	SW-9	Total/NA	Solid	8015B NM	34030
880-19019-4	SW-10	Total/NA	Solid	8015B NM	34030
880-19019-5	SW-11	Total/NA	Solid	8015B NM	34030
880-19019-6	SW-12	Total/NA	Solid	8015B NM	34030
MB 880-34030/1-A	Method Blank	Total/NA	Solid	8015B NM	34030
LCS 880-34030/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	34030
LCSD 880-34030/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	34030
880-18986-A-41-E MS	Matrix Spike	Total/NA	Solid	8015B NM	34030
880-18986-A-41-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	34030

Analysis Batch: 34243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19019-1	CS-2 (4.5')	Total/NA	Solid	8015 NM	
880-19019-2	CS-6 (4.5')	Total/NA	Solid	8015 NM	
880-19019-3	SW-9	Total/NA	Solid	8015 NM	
880-19019-4	SW-10	Total/NA	Solid	8015 NM	
880-19019-5	SW-11	Total/NA	Solid	8015 NM	
880-19019-6	SW-12	Total/NA	Solid	8015 NM	

QC Association Summary

Client: NT Global
Project/Site: Ironhouse 24 State Com #002H

Job ID: 880-19019-1
SDG: Lea Co, NM

HPLC/IC

Leach Batch: 34057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19019-1	CS-2 (4.5')	Soluble	Solid	DI Leach	
880-19019-2	CS-6 (4.5')	Soluble	Solid	DI Leach	
880-19019-3	SW-9	Soluble	Solid	DI Leach	
880-19019-4	SW-10	Soluble	Solid	DI Leach	
880-19019-5	SW-11	Soluble	Solid	DI Leach	
880-19019-6	SW-12	Soluble	Solid	DI Leach	
MB 880-34057/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-34057/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-34057/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19018-A-2-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-19018-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 34315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19019-1	CS-2 (4.5')	Soluble	Solid	300.0	34057
880-19019-2	CS-6 (4.5')	Soluble	Solid	300.0	34057
880-19019-3	SW-9	Soluble	Solid	300.0	34057
880-19019-4	SW-10	Soluble	Solid	300.0	34057
880-19019-5	SW-11	Soluble	Solid	300.0	34057
880-19019-6	SW-12	Soluble	Solid	300.0	34057
MB 880-34057/1-A	Method Blank	Soluble	Solid	300.0	34057
LCS 880-34057/2-A	Lab Control Sample	Soluble	Solid	300.0	34057
LCSD 880-34057/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	34057
880-19018-A-2-B MS	Matrix Spike	Soluble	Solid	300.0	34057
880-19018-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	34057

Lab Chronicle

Client: NT Global
Project/Site: Ironhouse 24 State Com #002H

Job ID: 880-19019-1
SDG: Lea Co, NM

Client Sample ID: CS-2 (4.5')

Lab Sample ID: 880-19019-1
Matrix: Solid
Date Collected: 09/08/22 00:00
Date Received: 09/08/22 17:09

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	34858	09/19/22 15:06	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34895	09/21/22 05:41	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34793	09/19/22 09:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34243	09/12/22 09:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34030	09/09/22 11:40	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34046	09/10/22 01:27	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	34057	09/09/22 08:53	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	34315	09/13/22 06:24	CH	EET MID

Client Sample ID: CS-6 (4.5')

Lab Sample ID: 880-19019-2
Matrix: Solid
Date Collected: 09/08/22 00:00
Date Received: 09/08/22 17:09

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	34858	09/19/22 15:06	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34895	09/21/22 06:02	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34793	09/19/22 09:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34243	09/12/22 09:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34030	09/09/22 11:40	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34046	09/10/22 01:49	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	34057	09/09/22 08:53	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	34315	09/13/22 06:29	CH	EET MID

Client Sample ID: SW-9

Lab Sample ID: 880-19019-3
Matrix: Solid
Date Collected: 09/08/22 00:00
Date Received: 09/08/22 17:09

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	34858	09/19/22 15:06	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34895	09/21/22 06:22	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34793	09/19/22 09:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34243	09/12/22 09:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34030	09/09/22 11:40	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34046	09/10/22 02:10	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	34057	09/09/22 08:53	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	34315	09/13/22 06:44	CH	EET MID

Client Sample ID: SW-10

Lab Sample ID: 880-19019-4
Matrix: Solid
Date Collected: 09/08/22 00:00
Date Received: 09/08/22 17:09

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	34858	09/19/22 15:06	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34895	09/21/22 06:43	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34793	09/19/22 09:42	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: NT Global
Project/Site: Ironhouse 24 State Com #002H

Job ID: 880-19019-1
SDG: Lea Co, NM

Client Sample ID: SW-10

Date Collected: 09/08/22 00:00
Date Received: 09/08/22 17:09

Lab Sample ID: 880-19019-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			34243	09/12/22 09:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34030	09/09/22 11:40	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34046	09/10/22 02:32	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	34057	09/09/22 08:53	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	34315	09/13/22 06:48	CH	EET MID

Client Sample ID: SW-11

Date Collected: 09/08/22 00:00
Date Received: 09/08/22 17:09

Lab Sample ID: 880-19019-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	34858	09/19/22 15:06	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34895	09/21/22 07:03	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34793	09/19/22 09:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34243	09/12/22 09:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34030	09/09/22 11:40	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34046	09/10/22 02:53	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	34057	09/09/22 08:53	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	34315	09/13/22 06:53	CH	EET MID

Client Sample ID: SW-12

Date Collected: 09/08/22 00:00
Date Received: 09/08/22 17:09

Lab Sample ID: 880-19019-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	34693	09/16/22 16:25	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34745	09/19/22 07:15	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34793	09/19/22 09:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34243	09/12/22 09:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34030	09/09/22 11:40	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34046	09/10/22 03:15	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	34057	09/09/22 08:53	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	34315	09/13/22 06:58	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: Ironhouse 24 State Com #002H

Job ID: 880-19019-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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: Ironhouse 24 State Com #002H

Job ID: 880-19019-1
SDG: Lea Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET 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:

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

Sample Summary

Client: NT Global
Project/Site: Ironhouse 24 State Com #002H

Job ID: 880-19019-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-19019-1	CS-2 (4.5')	Solid	09/08/22 00:00	09/08/22 17:09
880-19019-2	CS-6 (4.5')	Solid	09/08/22 00:00	09/08/22 17:09
880-19019-3	SW-9	Solid	09/08/22 00:00	09/08/22 17:09
880-19019-4	SW-10	Solid	09/08/22 00:00	09/08/22 17:09
880-19019-5	SW-11	Solid	09/08/22 00:00	09/08/22 17:09
880-19019-6	SW-12	Solid	09/08/22 00:00	09/08/22 17:09

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: 19019

9/21/2022

Page 1 of 1

Project Manager	Gordon Banks	Bill to (if different)	
Company Name	NTG Environmental	Company Name.	
Address.	701 Tradewinds BLVD	Address.	
City, State ZIP	Midland, TX 79706	City, State ZIP	
Phone.	Email.	Gbanks@ntglobal com	

Work Order Comments

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

State of Project.

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name:	Ironhouse 24 State Com #002H	Turn Around	
Project Number	214799	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date	Standard
Sampler's Name	AG	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice.	(Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR8
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	10.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading	5.3
Total Containers.		Corrected Temperature.	5.5

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD
CS-2 (4 5')	9/8/2022	-	X	-	C	1		X	X	X	
CS-6 (4 5')	9/8/2022	-	X	-	C	1		X	X	X	
SW-9	9/8/2022	-	X	-	C	1		X	X	X	
SW-10	9/8/2022	-	X	-	C	1		X	X	X	
SW-11	9/8/2022	-	X	-	C	1		X	X	X	
SW-12	9/8/2022	-	X	-	C	1		X	X	X	

Preservative Codes

None NO	DI Water H_2O
Cool Cool	MeOH Me
HCL HC	HNO_3. HN
H_2S0_4. H_2	NaOH Na
H_3PO_4 HP	
$NaHSO_4$ NABIS	
$Na_2S_2O_3$ $NaSO_3$	
Zn Acetate+NaOH Zn	
NaOH+Ascorbic Acid SAPC	

Sample Comments

880-19019 Chain of Custody

Additoinal 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 Hart		9/8/22	2		
3		1709	4		
5			6		

Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-19019-1
SDG Number: Lea Co, NM

Login Number: 19019
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins 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	

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 160562

CONDITIONS

Operator: Catena Resources Operating, LLC 1001 Fannin Street Houston, TX 77002	OGRID: 328449
	Action Number: 160562
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	12/19/2022