911 Regional Park Drive
Houston, Texas 77060
Tel. 281.872.9300
www.ntglobal.com

June 21, 2022

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

Re: Closure Report
Talon 5-8 Fed Com 1H-5H
Caza Operating, LLC
Unit B, S5, T20S, R35E
Site Coordinates: 32.6091049, -103.47562836
Lea County, New Mexico
Incident ID: nAPP2218824341

Mr. Bratcher:

On behalf of Caza Operating, LLC, New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment and remedial action activities at the Talon 5-8 Fed Com 1H-5H (Site). The Site is located approximately 21.6 miles west of Monument, New Mexico in Lea County (Figures 1 and 2).

Background

On January 7, 2022, a release of approximately 80 barrels (bbls) of crude oil / produced water occurred at the Site. Upon discovery, the well was shut-in and area was secured. The release was the result of an onsite compressor which provides pressure the 3-phase separator to lose power. The power loss caused the separator to fail and resulted in the release. A vacuum truck was utilized to recover free fluids and the release area was scraped with a backhoe. The release is shown on Figure 3. The initial C-141 form is attached.

Site Characterization

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a ½ mile radius of the location. The nearest identified well is located 0.63 miles south of the Site in S5 T20S R35E. The well was drilled in 1959 and the reported depth to groundwater is 64’ feet below ground surface (ft bgs). A copy of the site characterization information and the associated USGS summary report is attached.

Regulatory Criteria

In accordance with the NMOCD regulatory criteria established in 19.15.29.12 NMAC, due to the lack of recent groundwater data in the vicinity of the Site, the following criteria are applicable to 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

On January 19, 2022, NTGE conducted site assessment activities to assess the horizontal and vertical extent of impacts at the Site. A total of 2 sample points (S-1 through S-2) were installed within the release area to characterize the impacts. Additionally, 4 horizontal delineation sample points (H-1 through H-4) were installed to define the extent of impacts. Soil samples were collected in 0.5 ft depth intervals from depths ranging from 0 – 0.5 ft bgs with a geotechnical handauger. The handauger was decontaminated with Alconox and deionized water between soil borings to prevent cross-contamination. Sample locations are shown on Figure 3.

Soil samples were placed directly into laboratory provided samples containers, placed on ice, and transported under proper chain-of-custody protocol to Pace Analytical in Mt. Juliet, Tennessee for chemical analysis. Soil samples were analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8015/8021B), and chloride (EPA method 9056A). The analytical results are included in Table 1. Laboratory reports containing analytical methods and chain-of-custody documents are attached.

Analytical results identified elevated TPH and/or chloride concentrations across the release area (S1 – S2). Soil impacts were not vertically within the release area; however, additional sampling conducted following the remedial action activities described in a subsequent section of this letter were successful in defining the vertical extent of impacts. All horizontal delineation sample points exhibited constituent concentrations below the regulatory limits.

Remedial Action Activities and Confirmation Sampling

Based on the analytical results, Caza proceeded with remedial action activities at the Site to include the excavation and disposal of impacted soils above the regulatory limits. The entire release area was excavated to a depth of 1 - 1.5 ft bgs. The excavation area is illustrated on Figure 4.

The soils were field screened during excavation activities to aide in determining final excavation depths, primarily in the areas of S1 – S2, where the vertical delineation of impacts was not achieved during site assessment activities. A total of 8 confirmation samples were collected from the excavation base (CS-1 - CS-8) and 8 confirmation samples were collected from the excavation sidewalls (SW-1 - SW-8) to ensure impacted soil was removed.

The confirmation samples were collected every 200 square feet and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (EPA method 300.0). The excavation was backfilled and returned to near-natural grade. The final excavation extent and confirmation sample locations are shown on Figure 4. Analytical results of the confirmation samples are included in Table 2.

Closing

Based on the assessment and subsequent remedial action activities, the Site is in compliance with the regulatory limits and no further actions are required at the site. A copy of the final C- 141 is attached and Caza formally request a no further action designation for the Site. If you have any questions regarding this report or need additional information, please contact us at 281-872-9300.

Sincerely,
NTG Environmental

Gordon Banks
Operations Manager

Attachments:

Initial And Final C-141
Site Characterization Information
Tables
Figures
Photographic Log
Laboratory Reports and Chain-of-Custody Documents

INITIAL AND FINAL C-141

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	nAPP2218824341
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Caza Operating, LLC	OGRID 249099
Contact Name Kevin Garrett	Contact Telephone 432-682-7424
Contact email kgarrett@cazapetro.com	Incident # *(assigned by OCD)*
Contact mailing address 200 N Loraine Street, Suite 1550 Midland, TX 79701	

Location of Release Source

Latitude 32.609323 Longitude -103.476126
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Talon 5-8 State Federal Lease Tank Battery	Site Type Tank Battery
Date Release Discovered 01/07/2022	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
B	5	20S	35E	Lea

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

Nature and Volume of Release

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

☑ Crude Oil	Volume Released (bbls) 40	Volume Recovered (bbls)
☑ Produced Water	Volume Released (bbls) 40	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☑ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

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Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2218824341
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☑ No	If YES, for what reason(s) does the responsible party consider this a major release? The released volume is >25 bbls

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

No, immediate notice was not given

Initial Response

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

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

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

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

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

Printed Name: Steve Morris Title: Engineer

Signature: _____ Date: 6/22/2022

email: steve.morris@morcorengineering.com Telephone: 985-415-9729

OCD Only

Received by: Jocelyn Harimon Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2218824341
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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	64 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☑ No

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

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

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

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

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Page 4

State of New Mexico
Oil Conservation Division

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

Printed Name: Steve Morris Title: Engineer

Signature: Date: 6/22/2022

email: steve.morris@morcorengineering.com Telephone: 985-415-9729

OCD Only

Received by: Date:

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2218824341
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☑ Description of remediation activities

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

Printed Name: Steve Morris Title: Engineer

Signature: _____ Date: 6/22/2022

email: steve.morris@morcorengineering.com Telephone: 985-415-9729

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: 07/14/2022

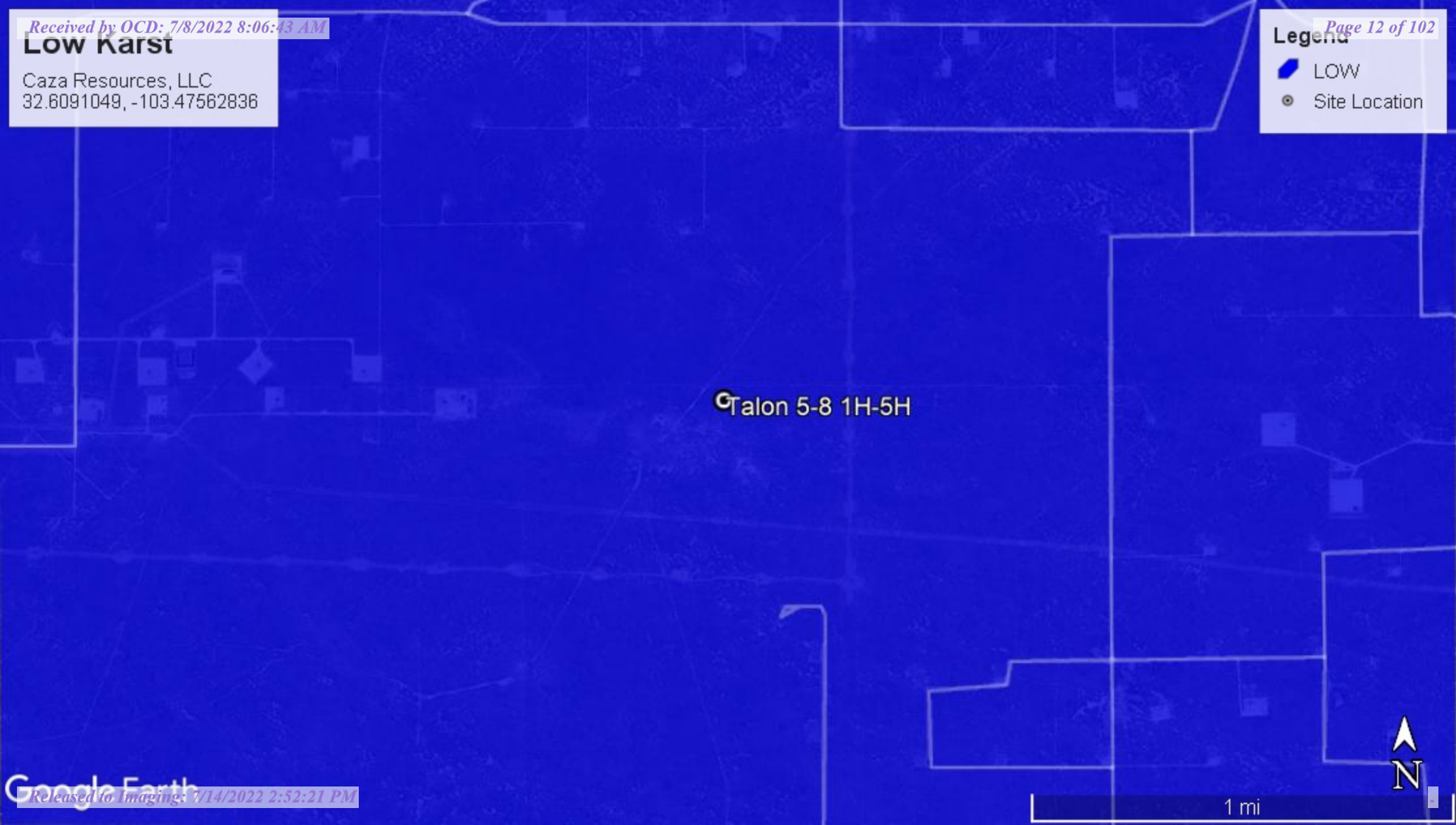
Printed Name: Jennifer Nobui Title: Environmental Specialist A

SITE CHARACTERIZATION INFORMATION

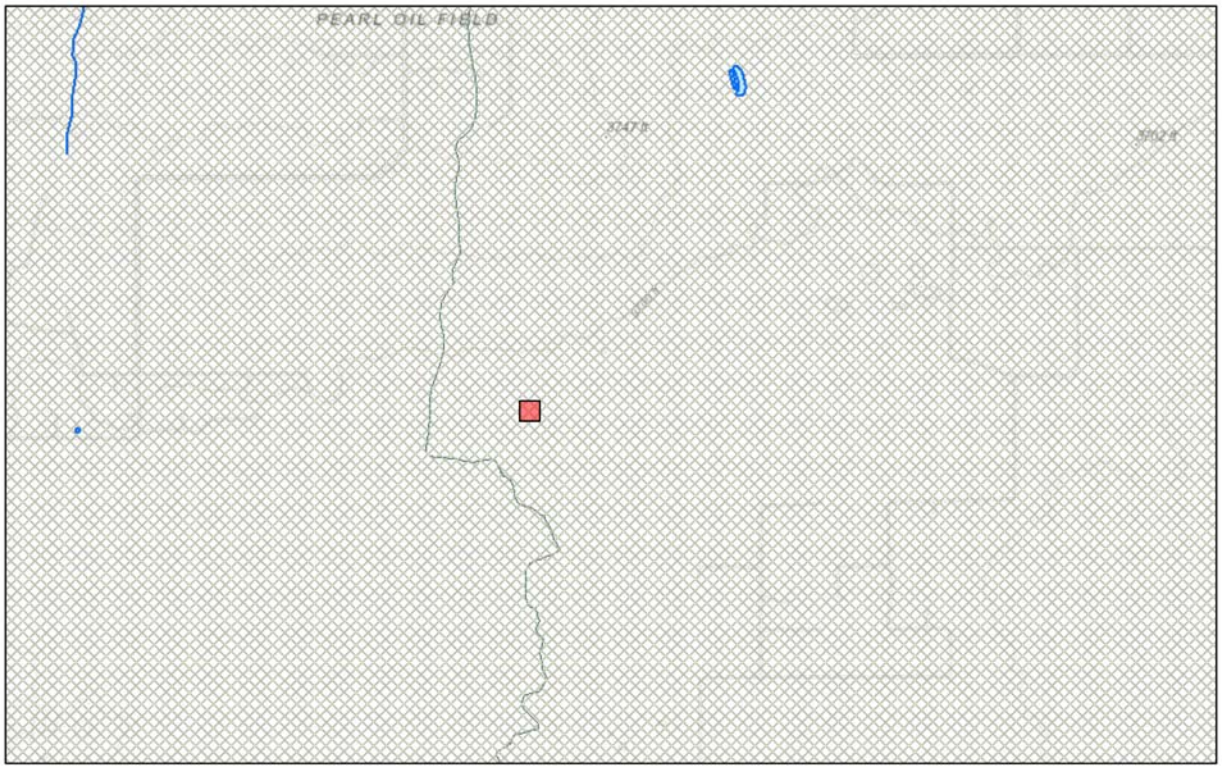
Caza Resources, LLC - Talon 5-8 1H-5H
Sec 5 T20S R35E Unit B
32.6091049Â°, -103.47562836Â°
Lea County, New Mexico

Site Characterization
-No water features within specified distances of 1/2 mile radius
-Low Karst
-NMSEO Groundwater is 64' below surface, .63 miles South of the site, 1959 drilled, Section 5, T20S, R35E
-USGS Groundwater is 31.91' below surface, 1.15 miles East of the site, 1986 drilled, Section 4, T20S, R35E
-USGS Groundwater is 53.48' below surface, .82 miles South of the site, 1996 drilled, Section 5, T20S, R35E

RRALs due to insufficient groundwater data
-Chlorides 600 mg/kg
-TPH GRO+DRO+MRO 100 mg/kg
-BTEX 50 mg/kg
-Benzene 10 mg/kg



New Mexico NFHL Data



May 25, 2022

1:36,112

0 0.25 0.5 1 mi

0 0.4 0.8 1.6 km

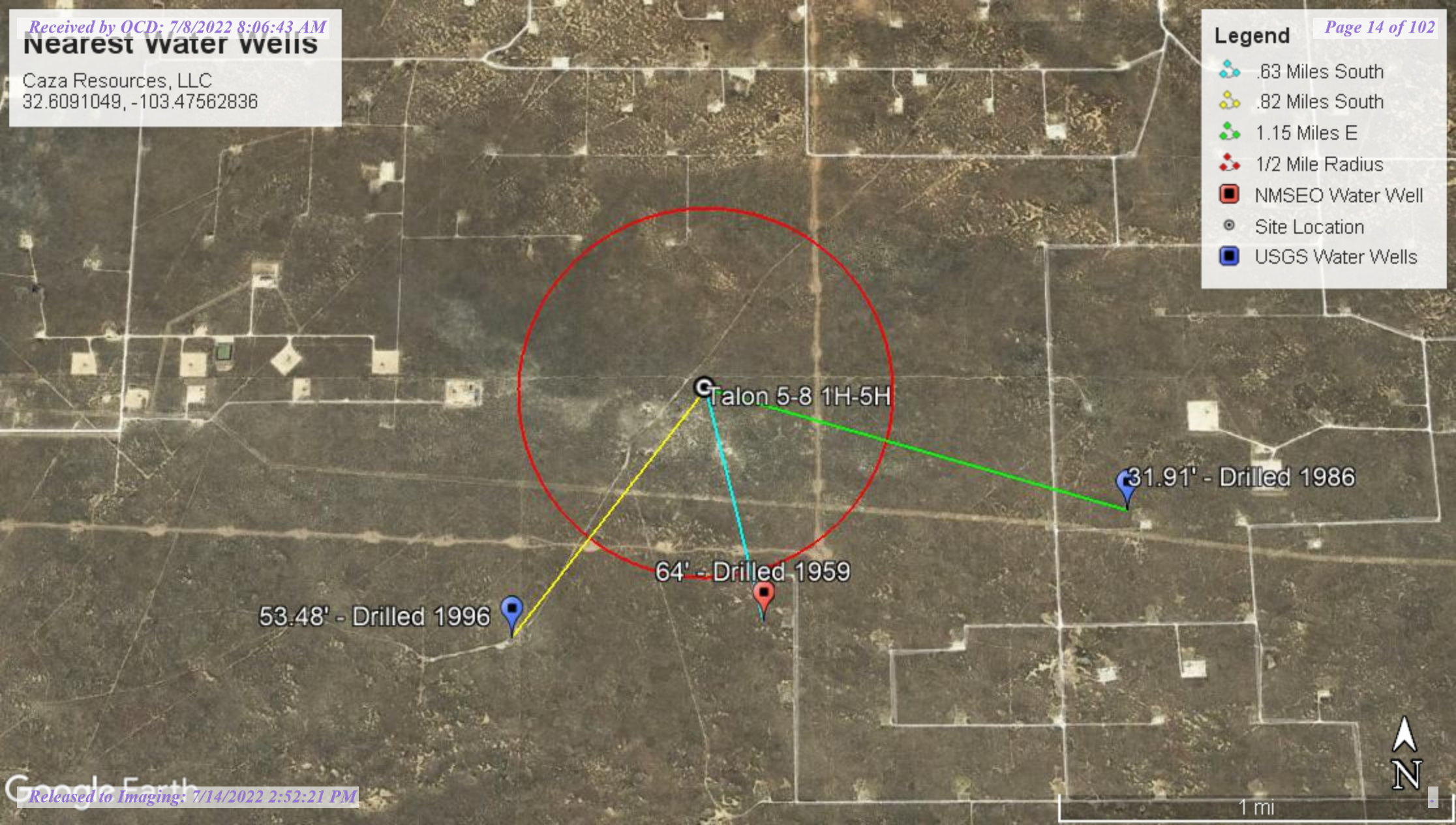
FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

nmflood.org is made possible through a collaboration with NMDHSEM,

This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

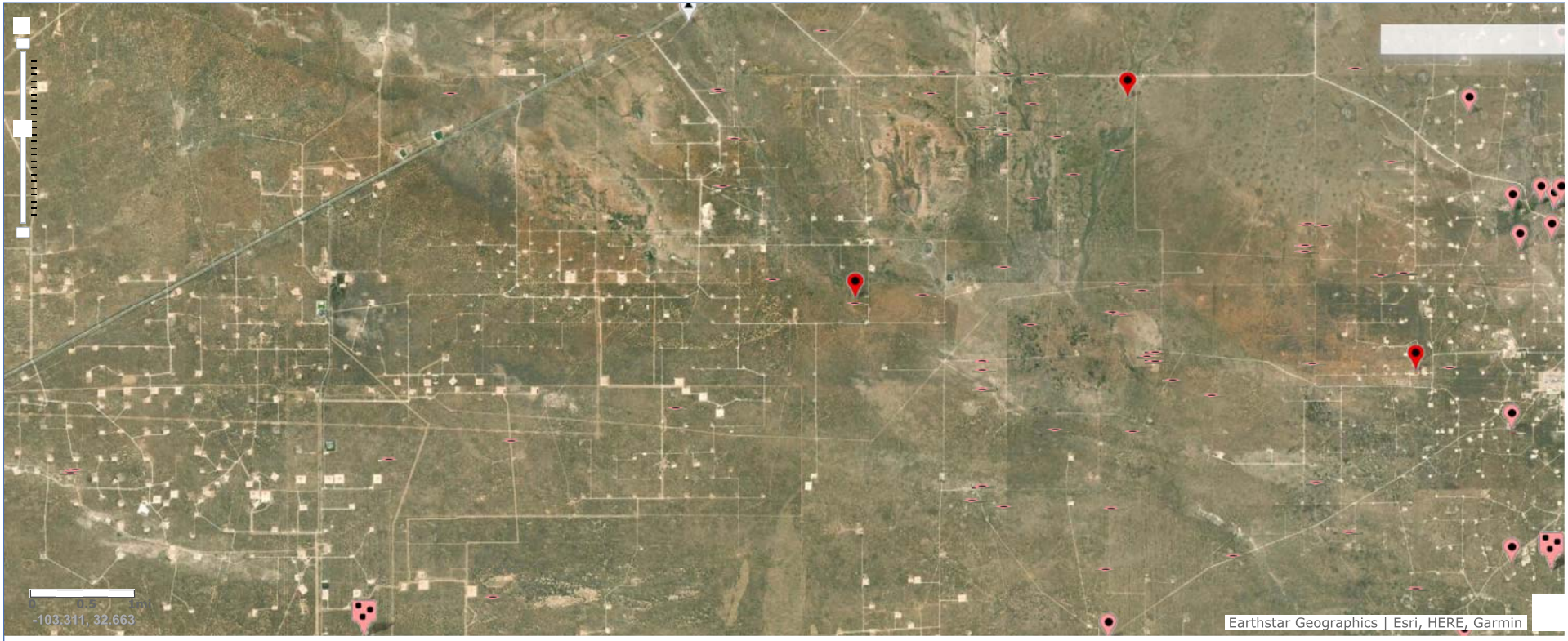
Nearest Water Wells

Caza Resources, LLC
32.6091049, -103.47562836



National Water Information System: Mapper

Help



Site Information

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	L 04158	2	4		05	20S	35E	643290	3608008*

Driller License:	208	**Driller Company:**	VAN NOY, W.L.		
Driller Name:					
Drill Start Date:	12/11/1959	**Drill Finish Date:**	12/12/1959	**Plug Date:**	
Log File Date:	12/18/1959	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	5.00	**Depth Well:**	70 feet	**Depth Water:**	64 feet

Water Bearing Stratifications:	Top	Bottom	Description
	65	68	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	50	70

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

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 04158	L	LE	2	4	05	20S	35E	643290	3608008*		1004	70	64	6

Average Depth to Water: **64 feet**

Minimum Depth: **64 feet**

Maximum Depth: **64 feet**

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 643032.22 **Northing (Y):** 3608979.16 **Radius:** 1100

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

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Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 323616103272401

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

USGS 323616103272401 20S.35E.04.22131

Lea County, New Mexico
Latitude 32°36'16", Longitude 103°27'24" NAD27
Land-surface elevation 3,687 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1961-02-28		D	62610		3652.15	NGVD29	P	Z			A
1961-02-28		D	62611		3653.67	NAVD88	P	Z			A
1961-02-28		D	72019	33.33			P	Z			A
1966-02-09		D	62610		3648.63	NGVD29	P	Z			A
1966-02-09		D	62611		3650.15	NAVD88	P	Z			A
1966-02-09		D	72019	36.85			P	Z			A
1971-01-27		D	62610		3651.85	NGVD29	1	Z			A
1971-01-27		D	62611		3653.37	NAVD88	1	Z			A
1971-01-27		D	72019	33.63			1	Z			A
1976-01-30		D	62610		3652.65	NGVD29	1	Z			A
1976-01-30		D	62611		3654.17	NAVD88	1	Z			A
1976-01-30		D	72019	32.83			1	Z			A
1981-02-17		D	62610		3652.04	NGVD29	1	Z			A
1981-02-17		D	62611		3653.56	NAVD88	1	Z			A
1981-02-17		D	72019	33.44			1	Z			A
1986-04-02		D	62610		3653.57	NGVD29	1	Z			A
1986-04-02		D	62611		3655.09	NAVD88	1	Z			A
1986-04-02		D	72019	31.91			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet

Section	Code	Description
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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

Accessibility FOIA Privacy Policies and Notices

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

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-05-25 10:50:55 EDT
0.28 0.24 nadww02

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency

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Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 323545103285701

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

USGS 323545103285701 20S.35E.05.31424

Lea County, New Mexico
Latitude 32°35'59", Longitude 103°29'03" NAD27
Land-surface elevation 3,685.00 feet above NGVD29
The depth of the well is 70 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1961-03-08		D	62610		3623.44	NGVD29	P	Z			A
1961-03-08		D	62611		3624.98	NAVD88	P	Z			A
1961-03-08		D	72019	61.56			P	Z			A
1966-04-06		D	62610		3631.13	NGVD29	1	Z			A
1966-04-06		D	62611		3632.67	NAVD88	1	Z			A
1966-04-06		D	72019	53.87			1	Z			A
1971-01-21		D	62610		3630.42	NGVD29	P	Z			A
1971-01-21		D	62611		3631.96	NAVD88	P	Z			A
1971-01-21		D	72019	54.58			P	Z			A
1976-02-19		D	62610		3631.44	NGVD29	1	Z			A
1976-02-19		D	62611		3632.98	NAVD88	1	Z			A
1976-02-19		D	72019	53.56			1	Z			A
1981-02-17		D	62610		3631.60	NGVD29	1	Z			A
1981-02-17		D	62611		3633.14	NAVD88	1	Z			A
1981-02-17		D	72019	53.40			1	Z			A
1986-04-02		D	62610		3632.17	NGVD29	1	Z			A
1986-04-02		D	62611		3633.71	NAVD88	1	Z			A
1986-04-02		D	72019	52.83			1	Z			A
1991-07-03		D	62610		3630.77	NGVD29	1	S			A
1991-07-03		D	62611		3632.31	NAVD88	1	S			A
1991-07-03		D	72019	54.23			1	S			A
1996-01-25		D	62610		3631.52	NGVD29	1	S			A
1996-01-25		D	62611		3633.06	NAVD88	1	S			A
1996-01-25		D	72019	53.48			1	S			A

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency

Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions about sites/data?
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Data Tips
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TABLES

Table 1. Soil Analytical Results - Site Assessment
Caza Operating LLC
Talon 5-8 1H-5H
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				BTEX (mg/kg)					Chloride (mg/kg)
			GRO	DRO	MRO	Total	Benzene	Toluene	Ethlybenzene	Xylenes	Total	
S1	1/22/2021	0-0.5'	0.108	254	174	428.1	<0.000120	<0.000150	<0.000110	<0.000460	<0.001	6,450
S2	1/22/2021	0-0.5'	241	3,990	2,580	6,811	0.0471	1.74	3.41	9.32	14.5171	21,300
H1	1/22/2021	0-0.5'	<0.0217	16.0	36.6	53	<0.000120	<0.000150	<0.000110	<0.000460	<0.001	90.8
H2	1/22/2021	0-0.5'	<0.0217	15.5	37	53	<0.000120	<0.000150	<0.000110	<0.000460	<0.001	93.8
H3	1/22/2021	0-0.5'	<0.0217	11.5	28.1	40	<0.000120	<0.000150	<0.000110	<0.000460	<0.001	98.8
H4	1/22/2021	0-0.5'	<0.0217	14.2	25.8	40	<0.000120	<0.000150	<0.000110	<0.000460	<0.001	88.7
Regulatory Limits [A]			-	-	-	**100 mg/kg**	**10 mg/kg**	-	-	-	**50 mg/kg**	**600 mg/kg**

- exceeds regulatory limit

(-) not applicable

A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

Table 2. Soil Analytical Results - Excavation Confirmation Sampling
Caza Operating LLC
Talon 5-8 1H-5H
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				BTEX (mg/kg)					Chloride (mg/kg)
			GRO	DRO	MRO	Total	Benzene	Toluene	Ethlybenzene	Xylenes	Total	
Base Samples												
CS-1	4/28/2022	(1.0')	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	72.1
CS-2	4/28/2022	(1.0')	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	35.1
CS-3	4/28/2022	(1.0')	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	29.6
CS-4	4/28/2022	(1.0')	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	28.9
CS-5	4/28/2022	(1.0')	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	7.45
CS-6	4/28/2022	(1.0')	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	6.54
CS-7	4/28/2022	(1.0')	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	8.42
CS-8	4/28/2022	(1.5')	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	10.5
Sidewall Samples												
SW-1	4/28/2022	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	12.9
SW-2	4/28/2022	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	13.8
SW-3	4/28/2022	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	32.8
SW-4	4/28/2022	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	28.0
SW-5	4/28/2022	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	124
SW-6	4/28/2022	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	72.7
SW-7	4/28/2022	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	29.4
SW-8	4/28/2022	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	13.6
Regulatory Limits			-	-	-	**100 mg/kg**	**10 mg/kg**	-	-	-	**50 mg/kg**	**600 mg/kg**

(-) not applicable

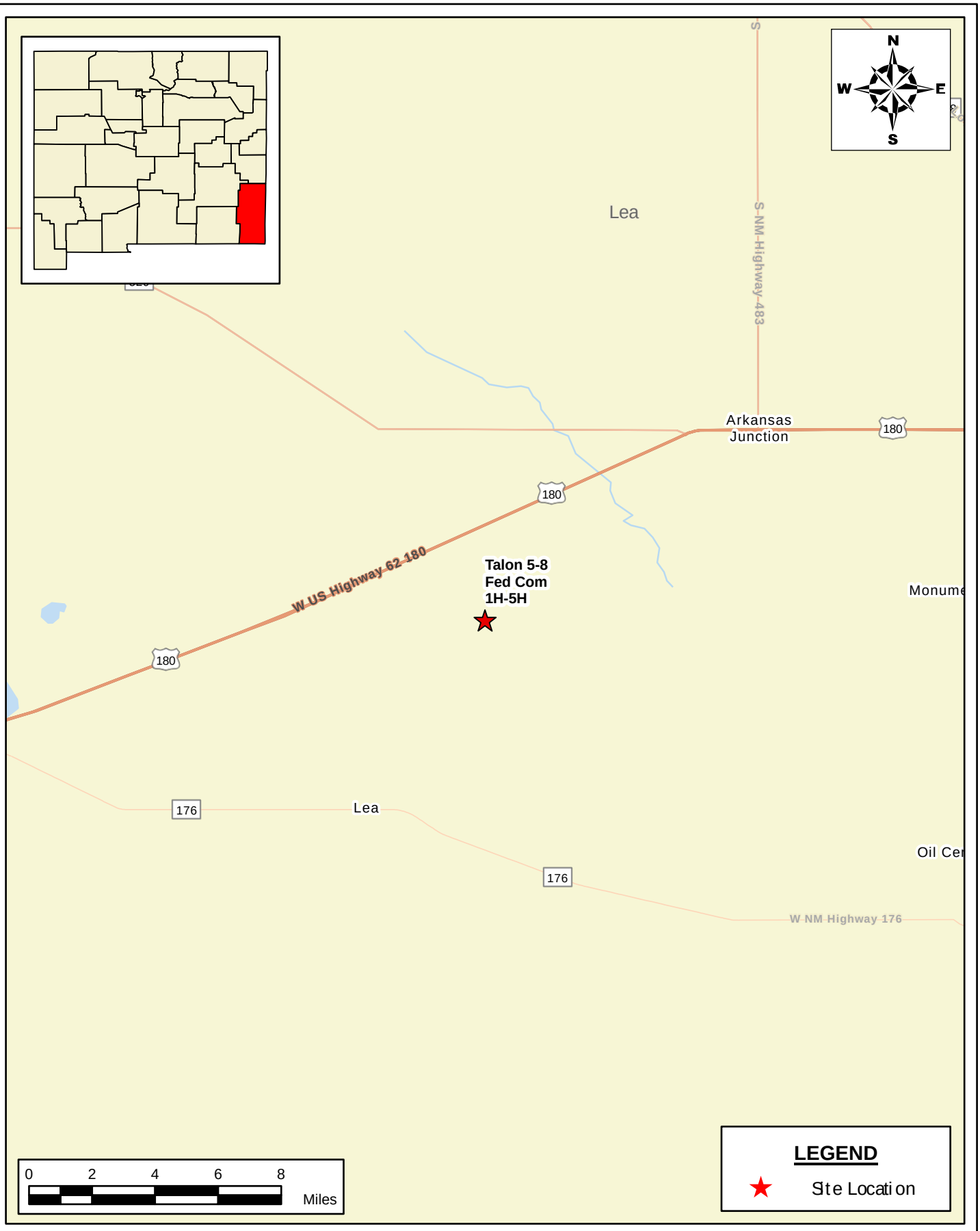
A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

FIGURES



SITE LOCATION MAP
CAZA OPERATING LLC
TALON 5-8 FED COM 1H-5H
LEA COUNTY, NEW MEXICO
32.609323, -103.476126

SCALE: As Shown | Date: 5/9/2022 | PROJECT #: 225211

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

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

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FIGURE 1
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1 of 1

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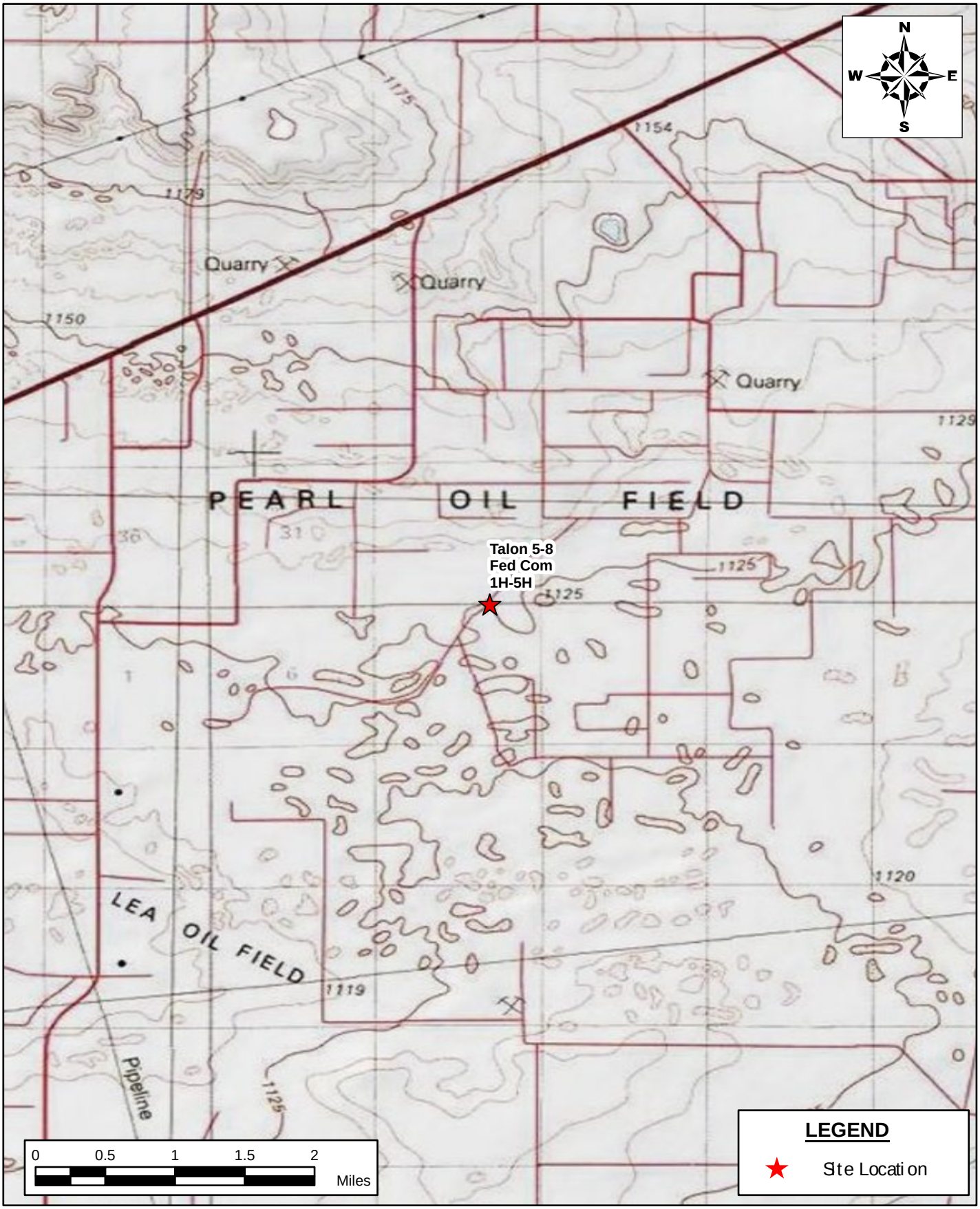

AREA MAP
CAZA OPERATING LLC
TALON 5-8 FED COM 1H-5H
LEA COUNTY, NEW MEXICO
32.609323, -103.476126

SCALE: As Shown | Date: 5/9/2022 | PROJECT #: 225211

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

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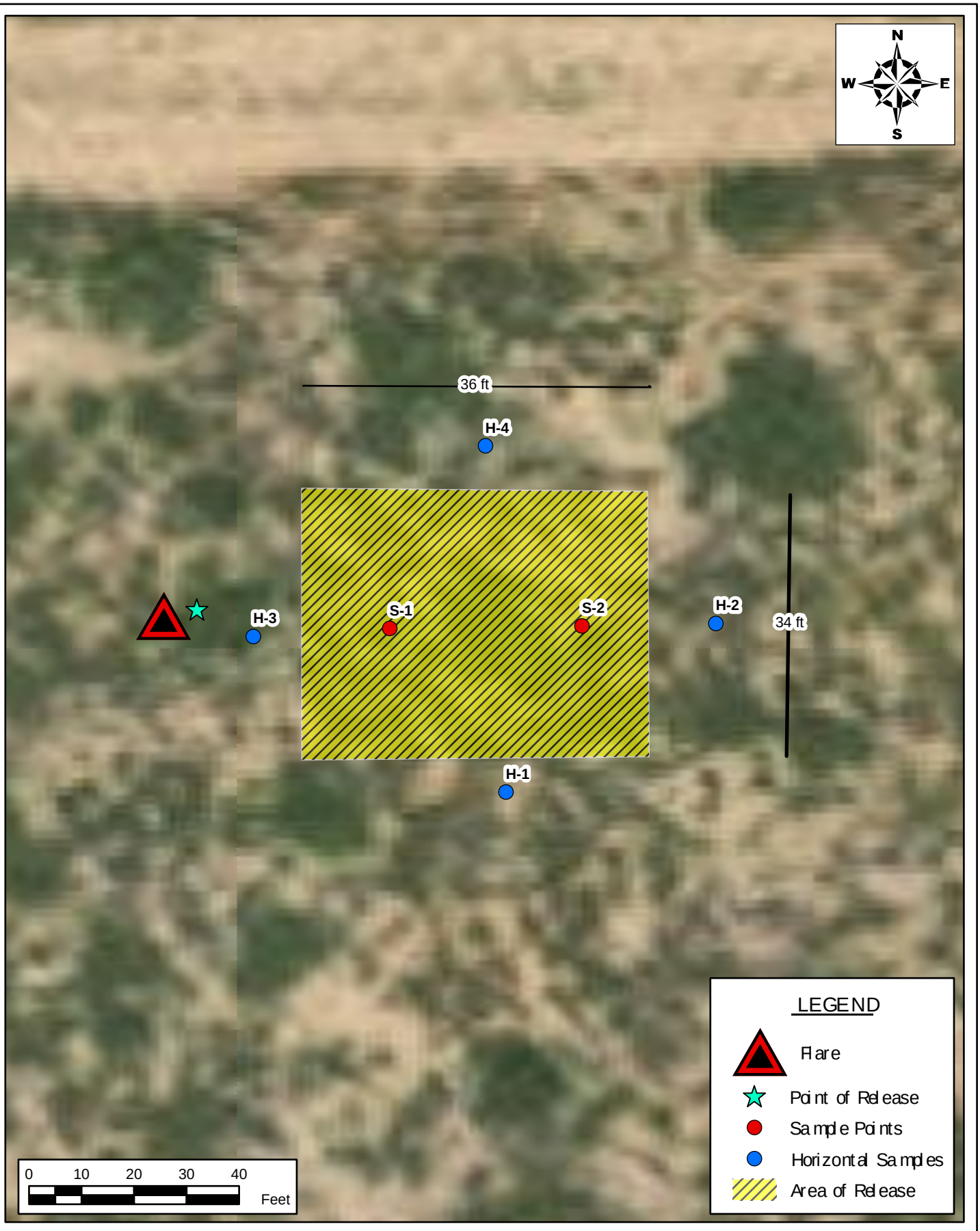

SAMPLE LOCATION MAP
CAZA OPERATING LLC
TALON 5-8 FED COM 1H-5H
LEA COUNTY, NEW MEXICO
32.609323, -103.476126

SCALE: As Shown | Date: 5/12/2022 | PROJECT #: 225211

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

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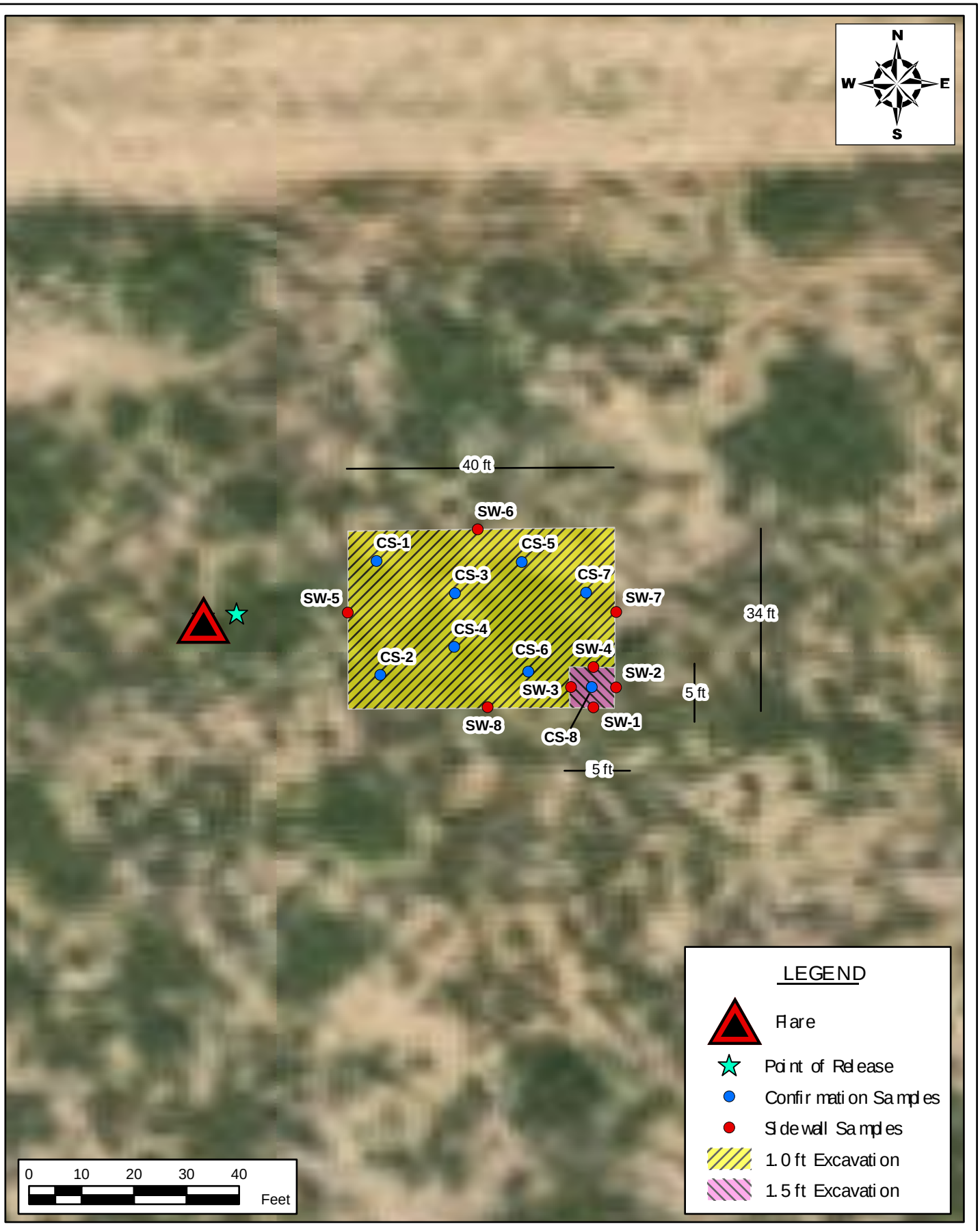

EXCAVATION MAP
CAZA OPERATING LLC
TALON 5-8 FED COM 1H-5H
LEA COUNTY, NEW MEXICO
32.609323, -103.476126

SCALE: As Shown | Date: 5/12/2022 | PROJECT #: 225211

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FIGURE 4
SHEET NUMBER:
1 of 1

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PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Caza Resources, LLC

Photograph No. 1

Facility: Talon 5-8 1H-5H

County: Lea County, New Mexico

Description:
View of impacted area encountered during the site assessment activities

Photograph No. 2

Facility: Talon 5-8 1H-5H

County: Lea County, New Mexico

Description:
View of visible surface staining encountered during site assessment activities

Photograph No. 3

Facility: Talon 5-8 1H-5H

County: Lea County, New Mexico

Description:
Another view of staining during initial site assessment activities

PHOTOGRAPHIC LOG

Caza Resources, LLC

Photograph No. 4

Facility: Talon 5-8 1H-5H

County: Lea County, New Mexico

Description:
View of excavation during remedial action activities

Photograph No. 5

Facility: Talon 5-8 1H-5H

County: Lea County, New Mexico

Description:
View of excavation during remedial action activities

Photograph No. 6

Facility: Talon 5-8 1H-5H

County: Lea County, New Mexico

Description:
Another view of excavation during remedial action activities

LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

Pace Analytical®

ANALYTICAL REPORT

March 01, 2022

Revised Report

NTGE

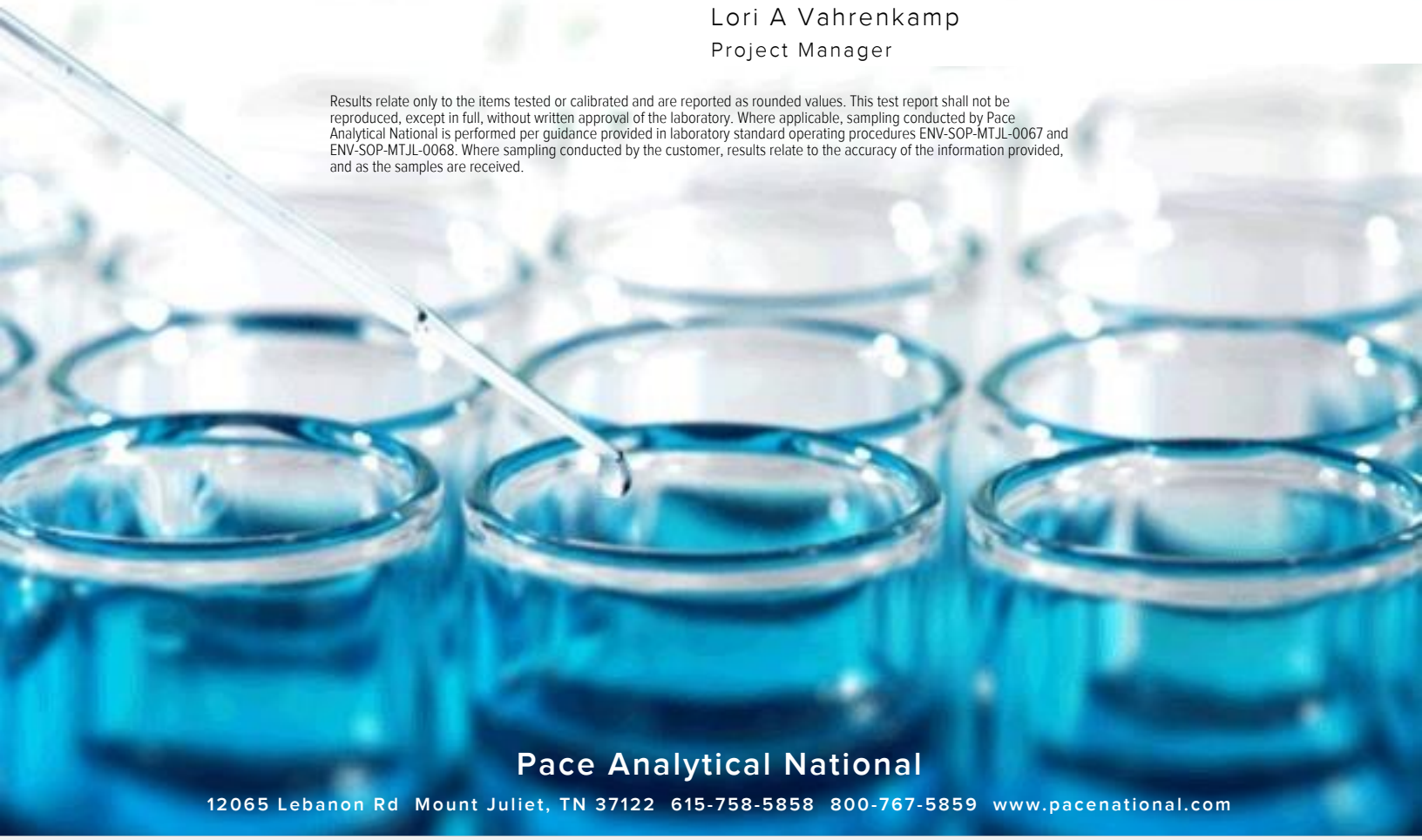
Sample Delivery Group:	L1453995
Samples Received:	01/22/2022
Project Number:	
Description:	Caza Talon 5-8 1H-5H

Report To: Gordon Banks
911 Regional Park Dr
Houston, TX 77060

Entire Report Reviewed By:

Lori A Vahrenkamp
Project Manager

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



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

TABLE OF CONTENTS

SAMPLE SUMMARY

S1 L1453995-01 Solid

Collected by	Collected date/time	Received date/time
	01/19/22 10:45	01/22/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1807592	1	01/27/22 08:33	01/27/22 08:42	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1806766	20	01/23/22 20:02	01/24/22 00:19	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG1808769	1	01/19/22 10:45	01/27/22 20:20	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021	WG1807745	1	01/25/22 14:19	01/25/22 17:15	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1809369	1	01/27/22 22:46	01/28/22 04:39	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1818517	1	01/27/22 22:46	01/28/22 04:39	JDG	Mt. Juliet, TN

S2 L1453995-02 Solid

Collected by	Collected date/time	Received date/time
	01/19/22 10:50	01/22/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1807592	1	01/27/22 08:33	01/27/22 08:42	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1806766	100	01/23/22 20:02	01/24/22 00:34	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1808768	50	01/19/22 10:50	01/27/22 22:42	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1809369	20	01/27/22 22:46	01/28/22 06:00	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1818517	20	01/27/22 22:46	01/28/22 06:00	JDG	Mt. Juliet, TN

H2 L1453995-03 Solid

Collected by	Collected date/time	Received date/time
	01/19/22 11:14	01/22/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1807649	1	01/26/22 14:40	01/26/22 14:53	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1806766	1	01/23/22 20:02	01/24/22 00:49	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1808769	1	01/19/22 11:14	01/27/22 20:44	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1809369	1	01/27/22 22:46	01/28/22 04:53	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1818517	1	01/27/22 22:46	01/28/22 04:53	JDG	Mt. Juliet, TN

H3 L1453995-04 Solid

Collected by	Collected date/time	Received date/time
	01/19/22 11:23	01/22/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1807649	1	01/26/22 14:40	01/26/22 14:53	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1806766	1	01/23/22 20:02	01/24/22 01:04	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1807745	1	01/23/22 03:27	01/25/22 18:20	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1809369	1	01/27/22 22:46	01/28/22 05:06	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1818517	1	01/27/22 22:46	01/28/22 05:06	JDG	Mt. Juliet, TN

H1 L1453995-05 Solid

Collected by	Collected date/time	Received date/time
	01/19/22 11:07	01/22/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1807649	1	01/26/22 14:40	01/26/22 14:53	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1806766	1	01/23/22 20:02	01/24/22 01:19	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1807745	1	01/23/22 03:27	01/25/22 18:42	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1809369	1	01/27/22 22:46	01/28/22 05:20	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1818517	1	01/27/22 22:46	01/28/22 05:20	JDG	Mt. Juliet, TN

SAMPLE SUMMARY

H4 L1453995-06 Solid

	Collected by	Collected date/time	Received date/time
		01/19/22 11:35	01/22/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1807649	1	01/26/22 14:40	01/26/22 14:53	CMK	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1806766	1	01/23/22 20:02	01/24/22 02:48	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1807745	1	01/23/22 03:27	01/25/22 19:03	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1809369	1	01/27/22 22:46	01/28/22 03:45	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1818517	1	01/27/22 22:46	01/28/22 03:45	JDG	Mt. Juliet, TN

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

Lori A Vahrenkamp
Project Manager

Report Revision History

Level II Report - Version 1: 02/01/22 09:10

Project Narrative

Revised Report Issued 3/1/22.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.5		1	01/27/2022 08:42	WG1807592

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	6450		184	20.0	400	20	01/24/2022 00:19	WG1806766

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000120	0.000500	0.000500	1	01/25/2022 17:15	WG1807745
Toluene	U		0.000150	0.00500	0.00500	1	01/25/2022 17:15	WG1807745
Ethylbenzene	U		0.000110	0.000500	0.000500	1	01/25/2022 17:15	WG1807745
Total Xylene	U		0.000460	0.00150	0.00150	1	01/25/2022 17:15	WG1807745
TPH (GC/FID) Low Fraction	0.108		0.0217	0.100	0.100	1	01/27/2022 20:20	WG1808769
(S) a,a,a-Trifluorotoluene(FID)	*112*				*77.0-120*		*01/25/2022 17:15*	WG1807745
(S) a,a,a-Trifluorotoluene(FID)	*94.9*				*77.0-120*		*01/27/2022 20:20*	WG1808769
(S) a,a,a-Trifluorotoluene(PID)	*99.6*				*72.0-128*		*01/25/2022 17:15*	WG1807745
(S) a,a,a-Trifluorotoluene(PID)	*97.6*				*72.0-128*		*01/27/2022 20:20*	WG1808769

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) High Fraction	254		0.769	4.00	4.00	1	01/28/2022 04:39	WG1809369
(S) o-Terphenyl	*45.9*				*18.0-148*		*01/28/2022 04:39*	WG1809369

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

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	254		1.61	4.00	4.00	1	01/28/2022 04:39	WG1818517
C28-C36 Motor Oil Range	174	E	0.274	4.00	4.00	1	01/28/2022 04:39	WG1818517
(S) o-Terphenyl	*45.9*				*18.0-148*		*01/28/2022 04:39*	WG1818517

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.0		1	01/27/2022 08:42	WG1807592

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	21300		920	20.0	2000	100	01/24/2022 00:34	WG1806766

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.0471	B	0.00600	0.000500	0.0250	50	01/27/2022 22:42	WG1808768
Toluene	1.74		0.00750	0.00500	0.250	50	01/27/2022 22:42	WG1808768
Ethylbenzene	3.41		0.00550	0.000500	0.0250	50	01/27/2022 22:42	WG1808768
Total Xylene	9.32		0.0230	0.00150	0.0750	50	01/27/2022 22:42	WG1808768
TPH (GC/FID) Low Fraction	241		1.09	0.100	5.00	50	01/27/2022 22:42	WG1808768
(S) a,a,a-Trifluorotoluene(FID)	*95.8*				*77.0-120*		*01/27/2022 22:42*	WG1808768
(S) a,a,a-Trifluorotoluene(PID)	*101*				*72.0-128*		*01/27/2022 22:42*	WG1808768

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) High Fraction	3990		15.4	4.00	80.0	20	01/28/2022 06:00	WG1809369
(S) o-Terphenyl	*0.000*	J7			*18.0-148*		*01/28/2022 06:00*	WG1809369

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

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	3990		32.2	4.00	80.0	20	01/28/2022 06:00	WG1818517
C28-C36 Motor Oil Range	2580		5.48	4.00	80.0	20	01/28/2022 06:00	WG1818517
(S) o-Terphenyl	*0.000*	J7			*18.0-148*		*01/28/2022 06:00*	WG1818517

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.2		1	01/26/2022 14:53	WG1807649

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	93.8		9.20	20.0	20.0	1	01/24/2022 00:49	WG1806766

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000120	0.000500	0.000500	1	01/27/2022 20:44	WG1808769
Toluene	U		0.000150	0.00500	0.00500	1	01/27/2022 20:44	WG1808769
Ethylbenzene	0.000189	J	0.000110	0.000500	0.000500	1	01/27/2022 20:44	WG1808769
Total Xylene	0.000793	J	0.000460	0.00150	0.00150	1	01/27/2022 20:44	WG1808769
TPH (GC/FID) Low Fraction	U		0.0217	0.100	0.100	1	01/27/2022 20:44	WG1808769
(S) a,a,a-Trifluorotoluene(FID)	*94.0*				*77.0-120*		*01/27/2022 20:44*	WG1808769
(S) a,a,a-Trifluorotoluene(PID)	*96.6*				*72.0-128*		*01/27/2022 20:44*	WG1808769

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) High Fraction	15.5	B	0.769	4.00	4.00	1	01/28/2022 04:53	WG1809369
(S) o-Terphenyl	*64.0*				*18.0-148*		*01/28/2022 04:53*	WG1809369

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

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	15.5	B	1.61	4.00	4.00	1	01/28/2022 04:53	WG1818517
C28-C36 Motor Oil Range	37.0		0.274	4.00	4.00	1	01/28/2022 04:53	WG1818517
(S) o-Terphenyl	*64.0*				*18.0-148*		*01/28/2022 04:53*	WG1818517

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.6		1	01/26/2022 14:53	WG1807649

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	98.8		9.20	20.0	20.0	1	01/24/2022 01:04	WG1806766

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000120	0.000500	0.000500	1	01/25/2022 18:20	WG1807745
Toluene	U		0.000150	0.00500	0.00500	1	01/25/2022 18:20	WG1807745
Ethylbenzene	U		0.000110	0.000500	0.000500	1	01/25/2022 18:20	WG1807745
Total Xylene	U		0.000460	0.00150	0.00150	1	01/25/2022 18:20	WG1807745
TPH (GC/FID) Low Fraction	U		0.0217	0.100	0.100	1	01/25/2022 18:20	WG1807745
(S) a,a,a-Trifluorotoluene(FID)	*112*				*77.0-120*		*01/25/2022 18:20*	WG1807745
(S) a,a,a-Trifluorotoluene(PID)	*101*				*72.0-128*		*01/25/2022 18:20*	WG1807745

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) High Fraction	11.5	B	0.769	4.00	4.00	1	01/28/2022 05:06	WG1809369
(S) o-Terphenyl	*43.5*				*18.0-148*		*01/28/2022 05:06*	WG1809369

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

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	11.5	B	1.61	4.00	4.00	1	01/28/2022 05:06	WG1818517
C28-C36 Motor Oil Range	28.1		0.274	4.00	4.00	1	01/28/2022 05:06	WG1818517
(S) o-Terphenyl	*43.5*				*18.0-148*		*01/28/2022 05:06*	WG1818517

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.6		1	01/26/2022 14:53	WG1807649

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	90.8		9.20	20.0	20.0	1	01/24/2022 01:19	WG1806766

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000120	0.000500	0.000500	1	01/25/2022 18:42	WG1807745
Toluene	U		0.000150	0.00500	0.00500	1	01/25/2022 18:42	WG1807745
Ethylbenzene	U		0.000110	0.000500	0.000500	1	01/25/2022 18:42	WG1807745
Total Xylene	U		0.000460	0.00150	0.00150	1	01/25/2022 18:42	WG1807745
TPH (GC/FID) Low Fraction	U		0.0217	0.100	0.100	1	01/25/2022 18:42	WG1807745
(S) a,a,a-Trifluorotoluene(FID)	*112*				*77.0-120*		*01/25/2022 18:42*	WG1807745
(S) a,a,a-Trifluorotoluene(PID)	*101*				*72.0-128*		*01/25/2022 18:42*	WG1807745

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) High Fraction	16.0	B	0.769	4.00	4.00	1	01/28/2022 05:20	WG1809369
(S) o-Terphenyl	*56.4*				*18.0-148*		*01/28/2022 05:20*	WG1809369

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

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	16.0	B	1.61	4.00	4.00	1	01/28/2022 05:20	WG1818517
C28-C36 Motor Oil Range	36.6		0.274	4.00	4.00	1	01/28/2022 05:20	WG1818517
(S) o-Terphenyl	*56.4*				*18.0-148*		*01/28/2022 05:20*	WG1818517

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.4		1	01/26/2022 14:53	WG1807649

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	88.7		9.20	20.0	20.0	1	01/24/2022 02:48	WG1806766

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000120	0.000500	0.000500	1	01/25/2022 19:03	WG1807745
Toluene	U		0.000150	0.00500	0.00500	1	01/25/2022 19:03	WG1807745
Ethylbenzene	U		0.000110	0.000500	0.000500	1	01/25/2022 19:03	WG1807745
Total Xylene	U		0.000460	0.00150	0.00150	1	01/25/2022 19:03	WG1807745
TPH (GC/FID) Low Fraction	U		0.0217	0.100	0.100	1	01/25/2022 19:03	WG1807745
(S) a,a,a-Trifluorotoluene(FID)	*112*				*77.0-120*		*01/25/2022 19:03*	WG1807745
(S) a,a,a-Trifluorotoluene(PID)	*100*				*72.0-128*		*01/25/2022 19:03*	WG1807745

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH (GC/FID) High Fraction	14.2	B	0.769	4.00	4.00	1	01/28/2022 03:45	WG1809369
(S) o-Terphenyl	*36.2*				*18.0-148*		*01/28/2022 03:45*	WG1809369

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

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	14.2	B	1.61	4.00	4.00	1	01/28/2022 03:45	WG1818517
C28-C36 Motor Oil Range	25.8		0.274	4.00	4.00	1	01/28/2022 03:45	WG1818517
(S) o-Terphenyl	*36.2*				*18.0-148*		*01/28/2022 03:45*	WG1818517

Method Blank (MB)

(MB) R3754537-1 01/27/22 08:42

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

L1453990-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1453990-13 01/27/22 08:42 • (DUP) R3754537-3 01/27/22 08:42

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	71.0	72.1	1	1.56		10

Laboratory Control Sample (LCS)

(LCS) R3754537-2 01/27/22 08:42

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

Method Blank (MB)

(MB) R3754109-1 01/26/22 14:53

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00300			

L1453995-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1453995-03 01/26/22 14:53 • (DUP) R3754109-3 01/26/22 14:53

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	97.2	96.6	1	0.616		10

Laboratory Control Sample (LCS)

(LCS) R3754109-2 01/26/22 14:53

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	85.0-115	

Method Blank (MB)

(MB) R3752979-1 01/23/22 20:12

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

L1453827-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1453827-01 01/23/22 22:05 • (DUP) R3752979-3 01/23/22 22:20

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	345	372	10.2	7.50		15

L1453995-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1453995-05 01/24/22 01:19 • (DUP) R3752979-4 01/24/22 01:33

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	90.8	94.3	1	3.82		15

Laboratory Control Sample (LCS)

(LCS) R3752979-2 01/23/22 20:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	214	107	80.0-120	

L1453995-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1453995-05 01/24/22 01:19 • (MS) R3752979-5 01/24/22 01:48 • (MSD) R3752979-6 01/24/22 02:03

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	500	90.8	632	628	108	108	1.01	80.0-120			0.567	15

Method Blank (MB)

(MB) R3753972-3 01/25/22 14:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000120	0.000500
Toluene	U		0.000150	0.00500
Ethylbenzene	U		0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*114*			*77.0-120*
(S) a,a,a-Trifluorotoluene(PID)	*103*			*72.0-128*

Laboratory Control Sample (LCS)

(LCS) R3753972-1 01/25/22 13:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.12	93.1	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*107*	*77.0-120*	
(S) a,a,a-Trifluorotoluene(PID)			*107*	*72.0-128*	

Laboratory Control Sample (LCS)

(LCS) R3753972-2 01/25/22 13:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0427	85.4	76.0-121	
Toluene	0.0500	0.0454	90.8	80.0-120	
Ethylbenzene	0.0500	0.0435	87.0	80.0-124	
Total Xylene	0.150	0.157	105	37.0-160	
(S) a,a,a-Trifluorotoluene(FID)			*114*	*77.0-120*	
(S) a,a,a-Trifluorotoluene(PID)			*101*	*72.0-128*	

Method Blank (MB)

(MB) R3754389-3 01/27/22 17:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	0.00308	J	0.00300	0.0125
Toluene	U		0.00375	0.125
Ethylbenzene	0.00377	J	0.00275	0.0125
Total Xylene	U		0.0115	0.0375
TPH (GC/FID) Low Fraction	0.867	J	0.543	2.50
(S) a,a,a-Trifluorotoluene(FID)	*95.7*			*77.0-120*
(S) a,a,a-Trifluorotoluene(PID)	*99.1*			*72.0-128*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3754389-1 01/27/22 16:04 • (LCSD) R3754389-4 01/27/22 18:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.0500	0.0418	0.0419	83.6	83.8	76.0-121			0.239	20
Toluene	0.0500	0.0437	0.0435	87.4	87.0	80.0-120			0.459	20
Ethylbenzene	0.0500	0.0403	0.0406	80.6	81.2	80.0-124			0.742	20
Total Xylene	0.150	0.124	0.125	82.7	83.3	37.0-160			0.803	20
(S) a,a,a-Trifluorotoluene(FID)				*97.1*	*96.4*	*77.0-120*				
(S) a,a,a-Trifluorotoluene(PID)				*99.9*	*99.6*	*72.0-128*				

Laboratory Control Sample (LCS)

(LCS) R3754389-2 01/27/22 16:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.91	89.3	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*102*	*77.0-120*	
(S) a,a,a-Trifluorotoluene(PID)			*108*	*72.0-128*	

Method Blank (MB)

(MB) R3754390-3 01/27/22 17:14

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000120	0.000500
Toluene	U		0.000150	0.00500
Ethylbenzene	U		0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*96.2*			*77.0-120*
(S) a,a,a-Trifluorotoluene(PID)	*99.8*			*72.0-128*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3754390-1 01/27/22 16:04 • (LCSD) R3754390-4 01/27/22 18:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.0500	0.0418	0.0419	83.6	83.8	76.0-121			0.239	20
Toluene	0.0500	0.0437	0.0435	87.4	87.0	80.0-120			0.459	20
Ethylbenzene	0.0500	0.0403	0.0406	80.6	81.2	80.0-124			0.742	20
Total Xylene	0.150	0.124	0.125	82.7	83.3	37.0-160			0.803	20
(S) a,a,a-Trifluorotoluene(FID)				*97.1*	*96.4*	*77.0-120*				
(S) a,a,a-Trifluorotoluene(PID)				*99.9*	*99.6*	*72.0-128*				

Laboratory Control Sample (LCS)

(LCS) R3754390-2 01/27/22 16:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.91	89.3	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*102*	*77.0-120*	
(S) a,a,a-Trifluorotoluene(PID)			*108*	*72.0-128*	

Method Blank (MB)

(MB) R3754514-1 01/28/22 00:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) High Fraction	3.10	J	0.769	4.00
(S) o-Terphenyl	*53.2*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3754514-2 01/28/22 00:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	50.0	31.6	63.2	50.0-150	
(S) o-Terphenyl			*73.6*	*18.0-148*	

L1453976-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1453976-05 01/28/22 01:57 • (MS) R3754514-3 01/28/22 02:11 • (MSD) R3754514-4 01/28/22 02:24

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	50.0	U	26.4	27.4	52.8	54.8	1	50.0-150			3.72	20
(S) o-Terphenyl					*61.4*	*65.0*		*18.0-148*				

Method Blank (MB)

(MB) R3760333-1 01/28/22 00:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	3.10	J	1.61	4.00
C28-C36 Motor Oil Range	2.24	J	0.274	4.00
(S) o-Terphenyl	*53.2*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3760333-2 01/28/22 00:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	31.6	63.2	50.0-150	
(S) o-Terphenyl			*73.6*	*18.0-148*	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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

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

[redacted]
NTG

Billing Information: NTG

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: Gordon Banks

Email To: gbanks@ntglobal.com

Project Description: Caza Talon 5-8 1H-5H

City/State Collected:

Phone:
Fax:

Client Project #

Lab Project #

L# 1453995

1046

Collected by (print):

Site/Facility ID #

P.O. #

Acctnum: NTGMTX

Template:

Prelogin:

TSR:

PB:

Collected by (signature):

Immediately
Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Remarks	Sample # (lab only)
S1	G	SS		01/19/22	10:45a	7		-01
S2	G	SS		01/19/22	10:50			-02
H2					11:14			-03
H3					11:23			-04
H1					11:07			-05
H4					11:35			-06

TPH 1005
BTEX ~~8260~~ 8021B
Cl
8015 Gro Dro Mro

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 1380 7991 3130

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	1-22-21	16:00	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	1-22-21	17:10	FedEx
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 1.3 °C Bottles Received: 6

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

01/22/22 L1453995 CEGHTX NCF

R5

Time estimate: oh **Time spent:** oh

Members

OT Oliva Turner (responsible) LV Lori Vahrenkamp

Due on *26 January 2022 5:00 PM* for target *Done*

- [ ] Login Clarification needed
- [ ] Chain of custody is incomplete
- [ ] Please specify Metals requested
- [ ] Please specify TCLP requested
- [ ] Received additional samples not listed on COC
- [ ] Sample IDs on containers do not match IDs on COC
- [x] Client did not "X" analysis
- [ ] Chain of Custody is missing
- [ ] If no COC: Received by:_____
- [ ] If no COC: Date/Time:_____
- [ ] If no COC: Temp./Cont.Rec./pH:_____
- [ ] If no COC: Carrier:_____
- [ ] If no COC: Tracking #:_____
- [ ] Client informed by call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

Comments

Oliva Turner *22 January 2022 4:16 PM*

Client did not "X" analysis.

Also, I am unsure if this is the right account. The one on the COC did not work. I looked this one up by the report to name

Lori Vahrenkamp *26 January 2022 1:01 PM*

CoCode: CEGHTX-Banks

Am confirming analyses with client now.

Lori Vahrenkamp *26 January 2022 1:07 PM*

Have all samples analyzed for all analyses listed on the Chain-of-Custody.

Oliva Turner *26 January 2022 1:10 PM*

Done

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-14234-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Talon 5-8 Fed 1H-5H

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Gordon Banks

JKRAMER

Authorized for release by:
5/12/2022 3:28:24 PM

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

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

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

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Laboratory Job ID: 880-14234-1
SDG: Lea Co, NM

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Job ID: 880-14234-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-14234-1

Receipt
The samples were received on 4/28/2022 4:38 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 5.0°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-25078 and analytical batch 880-25225 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-25305 and analytical batch 880-25307 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-24742 and analytical batch 880-24769 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-14234-A-1-E MS) and (880-14234-A-1-F MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-2 (1.0') (880-14234-2), CS-3 (1.0') (880-14234-3), CS-4 (1.0') (880-14234-4), CS-5 (1.0') (880-14234-5), CS-7 (1.0') (880-14234-7), CS-8 (1.5') (880-14234-8) and SW-1 (880-14234-9). Evidence of matrix interferences is not obvious.

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

HPLC/IC
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: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Client Sample ID: CS-1 (1.0')

Lab Sample ID: 880-14234-1
Date Collected: 04/28/22 00:00
Matrix: Solid
Date Received: 04/28/22 16:38

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		05/09/22 11:34	05/10/22 18:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/22 11:34	05/10/22 18:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/22 11:34	05/10/22 18:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/09/22 11:34	05/10/22 18:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/22 11:34	05/10/22 18:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/22 11:34	05/10/22 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/09/22 11:34*	*05/10/22 18:50*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/09/22 11:34*	*05/10/22 18:50*	*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			05/10/22 19:11	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			05/04/22 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 F1	50.0		mg/Kg		05/03/22 14:16	05/04/22 12:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1 F2	50.0		mg/Kg		05/03/22 14:16	05/04/22 12:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/03/22 14:16	05/04/22 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*05/03/22 14:16*	*05/04/22 12:04*	*1*
o-Terphenyl	*74*		*70 - 130*	*05/03/22 14:16*	*05/04/22 12:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**72.1**		5.00		mg/Kg			05/03/22 23:24	1

Client Sample ID: CS-2 (1.0')

Lab Sample ID: 880-14234-2
Date Collected: 04/28/22 00:00
Matrix: Solid
Date Received: 04/28/22 16:38

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		05/09/22 11:34	05/10/22 19:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/22 11:34	05/10/22 19:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/22 11:34	05/10/22 19:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/22 11:34	05/10/22 19:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/22 11:34	05/10/22 19:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/22 11:34	05/10/22 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/09/22 11:34*	*05/10/22 19:11*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/09/22 11:34*	*05/10/22 19:11*	*1*

Client Sample Results

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Client Sample ID: CS-2 (1.0')

Lab Sample ID: 880-14234-2
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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			05/10/22 19:11	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			05/04/22 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		05/03/22 14:16	05/04/22 19:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/03/22 14:16	05/04/22 19:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/03/22 14:16	05/04/22 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*05/03/22 14:16*	*05/04/22 19:41*	*1*
o-Terphenyl	*66*	*S1-*	*70 - 130*	*05/03/22 14:16*	*05/04/22 19:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.1**		4.95		mg/Kg			05/03/22 23:51	1

Client Sample ID: CS-3 (1.0')

Lab Sample ID: 880-14234-3
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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		05/09/22 11:34	05/10/22 19:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/22 11:34	05/10/22 19:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/22 11:34	05/10/22 19:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/22 11:34	05/10/22 19:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/22 11:34	05/10/22 19:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/22 11:34	05/10/22 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/09/22 11:34*	*05/10/22 19:31*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/09/22 11:34*	*05/10/22 19:31*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/10/22 19:11	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			05/04/22 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		05/03/22 14:16	05/04/22 13:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/03/22 14:16	05/04/22 13:53	1

Client Sample Results

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Client Sample ID: CS-3 (1.0')

Lab Sample ID: 880-14234-3
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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		05/03/22 14:16	05/04/22 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*52*	*S1-*	*70 - 130*	*05/03/22 14:16*	*05/04/22 13:53*	*1*
o-Terphenyl	*46*	*S1-*	*70 - 130*	*05/03/22 14:16*	*05/04/22 13:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29.6**		4.96		mg/Kg			05/04/22 00:00	1

Client Sample ID: CS-4 (1.0')

Lab Sample ID: 880-14234-4
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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		05/09/22 11:34	05/10/22 19:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/22 11:34	05/10/22 19:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/22 11:34	05/10/22 19:52	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/09/22 11:34	05/10/22 19:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/22 11:34	05/10/22 19:52	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/09/22 11:34	05/10/22 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/09/22 11:34*	*05/10/22 19:52*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/09/22 11:34*	*05/10/22 19:52*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/10/22 19:11	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			05/04/22 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		05/03/22 14:16	05/04/22 14:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/03/22 14:16	05/04/22 14:58	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/03/22 14:16	05/04/22 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*41*	*S1-*	*70 - 130*	*05/03/22 14:16*	*05/04/22 14:58*	*1*
o-Terphenyl	*38*	*S1-*	*70 - 130*	*05/03/22 14:16*	*05/04/22 14:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.9**		5.05		mg/Kg			05/04/22 00:26	1

Client Sample Results

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Client Sample ID: CS-5 (1.0')

Lab Sample ID: 880-14234-5
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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		05/09/22 11:44	05/10/22 14:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/22 11:44	05/10/22 14:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/22 11:44	05/10/22 14:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/09/22 11:44	05/10/22 14:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/22 11:44	05/10/22 14:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/09/22 11:44	05/10/22 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*05/09/22 11:44*	*05/10/22 14:28*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*05/09/22 11:44*	*05/10/22 14:28*	*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			05/10/22 19:11	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			05/04/22 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		05/03/22 14:16	05/04/22 15:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/03/22 14:16	05/04/22 15:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/03/22 14:16	05/04/22 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*05/03/22 14:16*	*05/04/22 15:20*	*1*
o-Terphenyl	*68*	*S1-*	*70 - 130*	*05/03/22 14:16*	*05/04/22 15:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.45**		4.99		mg/Kg			05/04/22 00:35	1

Client Sample ID: CS-6 (1.0')

Lab Sample ID: 880-14234-6
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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		05/09/22 11:44	05/10/22 17:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/22 11:44	05/10/22 17:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/22 11:44	05/10/22 17:28	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/09/22 11:44	05/10/22 17:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/22 11:44	05/10/22 17:28	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/09/22 11:44	05/10/22 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*05/09/22 11:44*	*05/10/22 17:28*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*05/09/22 11:44*	*05/10/22 17:28*	*1*

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Client Sample Results

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Client Sample ID: CS-6 (1.0')

Lab Sample ID: 880-14234-6
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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			05/10/22 19:11	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			05/04/22 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		05/03/22 14:16	05/04/22 15:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/03/22 14:16	05/04/22 15:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/03/22 14:16	05/04/22 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*05/03/22 14:16*	*05/04/22 15:41*	*1*
o-Terphenyl	*76*		*70 - 130*	*05/03/22 14:16*	*05/04/22 15:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.54**		4.98		mg/Kg			05/04/22 00:44	1

Client Sample ID: CS-7 (1.0')

Lab Sample ID: 880-14234-7
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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		05/09/22 11:44	05/10/22 17:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/22 11:44	05/10/22 17:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/22 11:44	05/10/22 17:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/09/22 11:44	05/10/22 17:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/22 11:44	05/10/22 17:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/22 11:44	05/10/22 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*05/09/22 11:44*	*05/10/22 17:54*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/09/22 11:44*	*05/10/22 17:54*	*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			05/10/22 19:11	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			05/04/22 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		05/03/22 14:16	05/04/22 16:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/03/22 14:16	05/04/22 16:03	1

Client Sample Results

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Client Sample ID: CS-7 (1.0')

Lab Sample ID: 880-14234-7
Date Collected: 04/28/22 00:00
Matrix: Solid
Date Received: 04/28/22 16:38

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		05/03/22 14:16	05/04/22 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*44*	*S1-*	*70 - 130*	*05/03/22 14:16*	*05/04/22 16:03*	*1*
o-Terphenyl	*34*	*S1-*	*70 - 130*	*05/03/22 14:16*	*05/04/22 16:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.42**		4.95		mg/Kg			05/04/22 00:53	1

Client Sample ID: CS-8 (1.5')

Lab Sample ID: 880-14234-8
Date Collected: 04/28/22 00:00
Matrix: Solid
Date Received: 04/28/22 16:38

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		05/09/22 11:44	05/10/22 18:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/22 11:44	05/10/22 18:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/22 11:44	05/10/22 18:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/22 11:44	05/10/22 18:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/22 11:44	05/10/22 18:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/22 11:44	05/10/22 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*05/09/22 11:44*	*05/10/22 18:19*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/09/22 11:44*	*05/10/22 18:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/10/22 19:11	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			05/04/22 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		05/03/22 14:16	05/04/22 16:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/03/22 14:16	05/04/22 16:25	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/03/22 14:16	05/04/22 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*64*	*S1-*	*70 - 130*	*05/03/22 14:16*	*05/04/22 16:25*	*1*
o-Terphenyl	*59*	*S1-*	*70 - 130*	*05/03/22 14:16*	*05/04/22 16:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.5**		4.97		mg/Kg			05/04/22 01:02	1

Client Sample Results

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Client Sample ID: SW-1

Lab Sample ID: 880-14234-9
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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		05/09/22 11:44	05/10/22 20:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/22 11:44	05/10/22 20:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/22 11:44	05/10/22 20:02	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/09/22 11:44	05/10/22 20:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/22 11:44	05/10/22 20:02	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/09/22 11:44	05/10/22 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*05/09/22 11:44*	*05/10/22 20:02*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*05/09/22 11:44*	*05/10/22 20:02*	*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			05/10/22 19:11	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			05/04/22 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		05/03/22 14:16	05/04/22 16:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/03/22 14:16	05/04/22 16:47	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/03/22 14:16	05/04/22 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*39*	*S1-*	*70 - 130*	*05/03/22 14:16*	*05/04/22 16:47*	*1*
o-Terphenyl	*32*	*S1-*	*70 - 130*	*05/03/22 14:16*	*05/04/22 16:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.9**		5.00		mg/Kg			05/04/22 01:10	1

Client Sample ID: SW-2

Lab Sample ID: 880-14234-10
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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		05/11/22 08:21	05/11/22 19:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/22 08:21	05/11/22 19:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/22 08:21	05/11/22 19:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/11/22 08:21	05/11/22 19:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/22 08:21	05/11/22 19:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/11/22 08:21	05/11/22 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*05/11/22 08:21*	*05/11/22 19:45*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/11/22 08:21*	*05/11/22 19:45*	*1*

Client Sample Results

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Client Sample ID: SW-2

Lab Sample ID: 880-14234-10
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/10/22 19:11	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			05/04/22 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		05/02/22 16:14	05/04/22 04:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/02/22 16:14	05/04/22 04:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/02/22 16:14	05/04/22 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*05/02/22 16:14*	*05/04/22 04:12*	*1*
o-Terphenyl	*89*		*70 - 130*	*05/02/22 16:14*	*05/04/22 04:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.8**		5.01		mg/Kg			05/04/22 01:19	1

Client Sample ID: SW-3

Lab Sample ID: 880-14234-11
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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		05/09/22 11:44	05/10/22 20:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/22 11:44	05/10/22 20:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/22 11:44	05/10/22 20:53	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/09/22 11:44	05/10/22 20:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/22 11:44	05/10/22 20:53	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/09/22 11:44	05/10/22 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*05/09/22 11:44*	*05/10/22 20:53*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/09/22 11:44*	*05/10/22 20:53*	*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			05/10/22 19:11	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			05/04/22 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		05/02/22 16:14	05/04/22 04:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/02/22 16:14	05/04/22 04:34	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Client Sample ID: SW-3

Lab Sample ID: 880-14234-11
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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		05/02/22 16:14	05/04/22 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*05/02/22 16:14*	*05/04/22 04:34*	*1*
o-Terphenyl	*91*		*70 - 130*	*05/02/22 16:14*	*05/04/22 04:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.8**		5.00		mg/Kg			05/05/22 11:42	1

Client Sample ID: SW-4

Lab Sample ID: 880-14234-12
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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		05/09/22 11:44	05/10/22 21:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/22 11:44	05/10/22 21:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/22 11:44	05/10/22 21:19	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/09/22 11:44	05/10/22 21:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/22 11:44	05/10/22 21:19	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/09/22 11:44	05/10/22 21:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*05/09/22 11:44*	*05/10/22 21:19*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*05/09/22 11:44*	*05/10/22 21:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/10/22 19:11	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			05/04/22 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		05/02/22 16:14	05/04/22 04:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/02/22 16:14	05/04/22 04:56	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/02/22 16:14	05/04/22 04:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*05/02/22 16:14*	*05/04/22 04:56*	*1*
o-Terphenyl	*82*		*70 - 130*	*05/02/22 16:14*	*05/04/22 04:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.0**		5.00		mg/Kg			05/05/22 12:10	1

Client Sample Results

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Client Sample ID: SW-5

Lab Sample ID: 880-14234-13
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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		05/09/22 11:44	05/10/22 21:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/22 11:44	05/10/22 21:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/22 11:44	05/10/22 21:44	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/09/22 11:44	05/10/22 21:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/22 11:44	05/10/22 21:44	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/09/22 11:44	05/10/22 21:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*05/09/22 11:44*	*05/10/22 21:44*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*05/09/22 11:44*	*05/10/22 21:44*	*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			05/10/22 19:11	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			05/04/22 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		05/02/22 16:14	05/04/22 05:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/02/22 16:14	05/04/22 05:17	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/02/22 16:14	05/04/22 05:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*05/02/22 16:14*	*05/04/22 05:17*	*1*
o-Terphenyl	*110*		*70 - 130*	*05/02/22 16:14*	*05/04/22 05:17*	*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			05/05/22 12:19	1

Client Sample ID: SW-6

Lab Sample ID: 880-14234-14
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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		05/09/22 11:44	05/10/22 22:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/22 11:44	05/10/22 22:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/22 11:44	05/10/22 22:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/22 11:44	05/10/22 22:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/22 11:44	05/10/22 22:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/22 11:44	05/10/22 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*05/09/22 11:44*	*05/10/22 22:10*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*05/09/22 11:44*	*05/10/22 22:10*	*1*

Client Sample Results

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Client Sample ID: SW-6

Lab Sample ID: 880-14234-14
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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			05/10/22 19:11	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			05/04/22 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		05/02/22 16:14	05/04/22 05:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/02/22 16:14	05/04/22 05:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/02/22 16:14	05/04/22 05:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*05/02/22 16:14*	*05/04/22 05:38*	*1*
o-Terphenyl	*112*		*70 - 130*	*05/02/22 16:14*	*05/04/22 05:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**72.7**		4.97		mg/Kg			05/05/22 12:28	1

Client Sample ID: SW-7

Lab Sample ID: 880-14234-15
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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		05/09/22 11:44	05/10/22 22:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/22 11:44	05/10/22 22:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/22 11:44	05/10/22 22:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/22 11:44	05/10/22 22:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/22 11:44	05/10/22 22:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/22 11:44	05/10/22 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*05/09/22 11:44*	*05/10/22 22:36*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*05/09/22 11:44*	*05/10/22 22:36*	*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			05/10/22 19:11	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			05/04/22 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		05/02/22 16:14	05/04/22 05:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/02/22 16:14	05/04/22 05:58	1

Client Sample Results

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Client Sample ID: SW-7

Lab Sample ID: 880-14234-15
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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		05/02/22 16:14	05/04/22 05:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*05/02/22 16:14*	*05/04/22 05:58*	*1*
o-Terphenyl	*93*		*70 - 130*	*05/02/22 16:14*	*05/04/22 05:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29.4**		4.98		mg/Kg			05/05/22 12:37	1

Client Sample ID: SW-8

Lab Sample ID: 880-14234-16
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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		05/09/22 11:44	05/10/22 23:01	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/22 11:44	05/10/22 23:01	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/22 11:44	05/10/22 23:01	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/09/22 11:44	05/10/22 23:01	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/22 11:44	05/10/22 23:01	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/09/22 11:44	05/10/22 23:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*05/09/22 11:44*	*05/10/22 23:01*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*05/09/22 11:44*	*05/10/22 23:01*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/10/22 19:11	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			05/04/22 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		05/02/22 16:14	05/04/22 06:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/02/22 16:14	05/04/22 06:19	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/02/22 16:14	05/04/22 06:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*05/02/22 16:14*	*05/04/22 06:19*	*1*
o-Terphenyl	*98*		*70 - 130*	*05/02/22 16:14*	*05/04/22 06:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.6**		4.96		mg/Kg			05/05/22 12:47	1

Surrogate Summary

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
880-14233-A-15-C MS	Matrix Spike	107	94
880-14233-A-15-D MSD	Matrix Spike Duplicate	112	94
880-14234-1	CS-1 (1.0')	113	94
880-14234-2	CS-2 (1.0')	113	92
880-14234-3	CS-3 (1.0')	110	90
880-14234-4	CS-4 (1.0')	109	91
880-14234-5	CS-5 (1.0')	134 S1+	87
880-14234-5 MS	CS-5 (1.0')	127	92
880-14234-5 MSD	CS-5 (1.0')	124	93
880-14234-6	CS-6 (1.0')	127	87
880-14234-7	CS-7 (1.0')	124	90
880-14234-8	CS-8 (1.5')	128	90
880-14234-9	SW-1	131 S1+	81
880-14234-10	SW-2	114	94
880-14234-11	SW-3	128	95
880-14234-12	SW-4	134 S1+	88
880-14234-13	SW-5	134 S1+	86
880-14234-14	SW-6	136 S1+	88
880-14234-15	SW-7	133 S1+	89
880-14234-16	SW-8	108	83
880-14653-A-1-A MS	Matrix Spike	111	97
880-14653-A-1-B MSD	Matrix Spike Duplicate	99	91
LCS 880-25078/1-A	Lab Control Sample	104	95
LCS 880-25085/1-A	Lab Control Sample	117	91
LCS 880-25305/1-A	Lab Control Sample	106	95
LCSD 880-25078/2-A	Lab Control Sample Dup	108	96
LCSD 880-25085/2-A	Lab Control Sample Dup	121	95
LCSD 880-25305/2-A	Lab Control Sample Dup	105	95
MB 880-25078/5-A	Method Blank	100	91
MB 880-25085/5-A	Method Blank	86	78
MB 880-25305/5-A	Method Blank	104	89

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
880-14234-1	CS-1 (1.0')	74	74
880-14234-1 MS	CS-1 (1.0')	33 S1-	29 S1-
880-14234-1 MSD	CS-1 (1.0')	43 S1-	34 S1-
880-14234-2	CS-2 (1.0')	70	66 S1-
880-14234-3	CS-3 (1.0')	52 S1-	46 S1-
880-14234-4	CS-4 (1.0')	41 S1-	38 S1-
880-14234-5	CS-5 (1.0')	68 S1-	68 S1-
880-14234-6	CS-6 (1.0')	77	76

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Surrogate Summary

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-14234-7	CS-7 (1.0')	44 S1-	34 S1-										
880-14234-8	CS-8 (1.5')	64 S1-	59 S1-										
880-14234-9	SW-1	39 S1-	32 S1-										
880-14234-10	SW-2	93	89										
880-14234-11	SW-3	95	91										
880-14234-12	SW-4	86	82										
880-14234-13	SW-5	110	110										
880-14234-14	SW-6	109	112										
880-14234-15	SW-7	95	93										
880-14234-16	SW-8	103	98										
890-2256-A-1-C MS	Matrix Spike	86	78										
890-2256-A-1-D MSD	Matrix Spike Duplicate	84	77										
LCS 880-24682/2-A	Lab Control Sample	101	102										
LCS 880-24742/2-A	Lab Control Sample	105	104										
LCSD 880-24682/3-A	Lab Control Sample Dup	96	96										
LCSD 880-24742/3-A	Lab Control Sample Dup	113	110										
MB 880-24682/1-A	Method Blank	98	103										
MB 880-24742/1-A	Method Blank	86	97										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-25078/5-A
Matrix: Solid
Analysis Batch: 25225

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25078

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/22 11:34	05/10/22 11:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/22 11:34	05/10/22 11:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/22 11:34	05/10/22 11:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/22 11:34	05/10/22 11:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/22 11:34	05/10/22 11:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/22 11:34	05/10/22 11:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*05/09/22 11:34*	*05/10/22 11:39*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/09/22 11:34*	*05/10/22 11:39*	*1*

Lab Sample ID: LCS 880-25078/1-A
Matrix: Solid
Analysis Batch: 25225

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25078

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09945		mg/Kg		99	70 - 130
Toluene	0.100	0.1066		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1079		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2163		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1092		mg/Kg		109	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-25078/2-A
Matrix: Solid
Analysis Batch: 25225

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 25078

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09635		mg/Kg		96	70 - 130	3	35
Toluene	0.100	0.1017		mg/Kg		102	70 - 130	5	35
Ethylbenzene	0.100	0.1039		mg/Kg		104	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2060		mg/Kg		103	70 - 130	5	35
o-Xylene	0.100	0.1061		mg/Kg		106	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-14233-A-15-C MS
Matrix: Solid
Analysis Batch: 25225

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 25078

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F1	0.0998	0.07316		mg/Kg		73	70 - 130
Toluene	<0.00202	U	0.0998	0.08143		mg/Kg		82	70 - 130

QC Sample Results

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-14233-A-15-C MS | **Client Sample ID: Matrix Spike**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 25225 | **Prep Batch: 25078**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.0998	0.08404		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.200	0.1700		mg/Kg		85	70 - 130
o-Xylene	<0.00202	U	0.0998	0.08628		mg/Kg		86	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-14233-A-15-D MSD | **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 25225 | **Prep Batch: 25078**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F1	0.0994	0.06517	F1	mg/Kg		66	70 - 130	12	35
Toluene	<0.00202	U	0.0994	0.07453		mg/Kg		75	70 - 130	9	35
Ethylbenzene	<0.00202	U	0.0994	0.07683		mg/Kg		77	70 - 130	9	35
m-Xylene & p-Xylene	<0.00404	U	0.199	0.1568		mg/Kg		79	70 - 130	8	35
o-Xylene	<0.00202	U	0.0994	0.08023		mg/Kg		81	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: MB 880-25085/5-A | **Client Sample ID: Method Blank**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 25223 | **Prep Batch: 25085**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/22 11:44	05/10/22 14:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/22 11:44	05/10/22 14:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/22 11:44	05/10/22 14:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/22 11:44	05/10/22 14:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/22 11:44	05/10/22 14:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/22 11:44	05/10/22 14:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*05/09/22 11:44*	*05/10/22 14:03*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*05/09/22 11:44*	*05/10/22 14:03*	*1*

Lab Sample ID: LCS 880-25085/1-A | **Client Sample ID: Lab Control Sample**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 25223 | **Prep Batch: 25085**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1106		mg/Kg		111	70 - 130
Toluene	0.100	0.1079		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1173		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	0.200	0.2409		mg/Kg		120	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-25085/1-A
Matrix: Solid
Analysis Batch: 25223

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25085

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1158		mg/Kg		116	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 880-25085/2-A
Matrix: Solid
Analysis Batch: 25223

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 25085

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1100		mg/Kg		110	70 - 130	1	35
Toluene			0.100	0.1068		mg/Kg		107	70 - 130	1	35
Ethylbenzene			0.100	0.1202		mg/Kg		120	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2426		mg/Kg		121	70 - 130	1	35
o-Xylene			0.100	0.1208		mg/Kg		121	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 880-14234-5 MS
Matrix: Solid
Analysis Batch: 25223

Client Sample ID: CS-5 (1.0')
Prep Type: Total/NA
Prep Batch: 25085

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.0996	0.09251		mg/Kg		93	70 - 130		
Toluene	<0.00200	U	0.0996	0.09500		mg/Kg		95	70 - 130		
Ethylbenzene	<0.00200	U	0.0996	0.1036		mg/Kg		104	70 - 130		
m-Xylene & p-Xylene	<0.00401	U	0.199	0.2125		mg/Kg		107	70 - 130		
o-Xylene	<0.00200	U	0.0996	0.1063		mg/Kg		107	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 880-14234-5 MSD
Matrix: Solid
Analysis Batch: 25223

Client Sample ID: CS-5 (1.0')
Prep Type: Total/NA
Prep Batch: 25085

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0994	0.08813		mg/Kg		89	70 - 130	5	35
Toluene	<0.00200	U	0.0994	0.08995		mg/Kg		90	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.0994	0.09674		mg/Kg		97	70 - 130	7	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1987		mg/Kg		100	70 - 130	7	35
o-Xylene	<0.00200	U	0.0994	0.1001		mg/Kg		101	70 - 130	6	35

QC Sample Results

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-14234-5 MSD
Matrix: Solid
Analysis Batch: 25223

Client Sample ID: CS-5 (1.0')
Prep Type: Total/NA
Prep Batch: 25085

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: MB 880-25305/5-A
Matrix: Solid
Analysis Batch: 25307

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25305

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/11/22 08:21	05/11/22 11:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/22 08:21	05/11/22 11:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/22 08:21	05/11/22 11:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/11/22 08:21	05/11/22 11:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/22 08:21	05/11/22 11:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/11/22 08:21	05/11/22 11:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	05/11/22 08:21	05/11/22 11:51	1
1,4-Difluorobenzene (Surr)	89		70 - 130	05/11/22 08:21	05/11/22 11:51	1

Lab Sample ID: LCS 880-25305/1-A
Matrix: Solid
Analysis Batch: 25307

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25305

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09850		mg/Kg		99	70 - 130		
Toluene			0.100	0.1068		mg/Kg		107	70 - 130		
Ethylbenzene			0.100	0.1095		mg/Kg		110	70 - 130		
m-Xylene & p-Xylene			0.200	0.2241		mg/Kg		112	70 - 130		
o-Xylene			0.100	0.1114		mg/Kg		111	70 - 130		

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

Lab Sample ID: LCSD 880-25305/2-A
Matrix: Solid
Analysis Batch: 25307

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 25305

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09103		mg/Kg		91	70 - 130	8	35
Toluene			0.100	0.09804		mg/Kg		98	70 - 130	9	35
Ethylbenzene			0.100	0.1019		mg/Kg		102	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.2094		mg/Kg		105	70 - 130	7	35
o-Xylene			0.100	0.1045		mg/Kg		104	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-25305/2-A
Matrix: Solid
Analysis Batch: 25307

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 25305

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

Lab Sample ID: 880-14653-A-1-A MS
Matrix: Solid
Analysis Batch: 25307

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 25305

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F1	0.0996	0.06771	F1	mg/Kg		68	70 - 130
Toluene	<0.00202	U F1	0.0996	0.06501	F1	mg/Kg		65	70 - 130
Ethylbenzene	<0.00202	U F1	0.0996	0.06108	F1	mg/Kg		61	70 - 130
m-Xylene & p-Xylene	<0.00403	U F1	0.199	0.1934		mg/Kg		97	70 - 130
o-Xylene	<0.00202	U F1	0.0996	0.06101	F1	mg/Kg		61	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-14653-A-1-B MSD
Matrix: Solid
Analysis Batch: 25307

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 25305

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F1	0.101	<0.00202	U F1	mg/Kg		0	70 - 130	NC	35
Toluene	<0.00202	U F1	0.101	<0.00202	U F1	mg/Kg		0	70 - 130	NC	35
Ethylbenzene	<0.00202	U F1	0.101	<0.00202	U F1	mg/Kg		0	70 - 130	NC	35
m-Xylene & p-Xylene	<0.00403	U F1	0.202	<0.00404	U F1	mg/Kg		0	70 - 130	NC	35
o-Xylene	<0.00202	U F1	0.101	<0.00202	U F1	mg/Kg		0	70 - 130	NC	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

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

Lab Sample ID: MB 880-24682/1-A
Matrix: Solid
Analysis Batch: 24705

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24682

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		05/02/22 16:14	05/03/22 21:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/02/22 16:14	05/03/22 21:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/02/22 16:14	05/03/22 21:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	05/02/22 16:14	05/03/22 21:25	1
o-Terphenyl	103		70 - 130	05/02/22 16:14	05/03/22 21:25	1

QC Sample Results

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-24682/2-A
Matrix: Solid
Analysis Batch: 24705

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24682

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1047		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	933.3		mg/Kg		93	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

Lab Sample ID: LCSD 880-24682/3-A
Matrix: Solid
Analysis Batch: 24705

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 24682

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	960.1		mg/Kg		96	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	847.1		mg/Kg		85	70 - 130	10	20

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

Lab Sample ID: 890-2256-A-1-C MS
Matrix: Solid
Analysis Batch: 24705

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 24682

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	1000	993.4		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	758.8		mg/Kg		76	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*86*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

Lab Sample ID: 890-2256-A-1-D MSD
Matrix: Solid
Analysis Batch: 24705

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 24682

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	967.2		mg/Kg		94	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	758.0		mg/Kg		76	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*84*		*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

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

Lab Sample ID: 890-2256-A-1-D MSD
Matrix: Solid
Analysis Batch: 24705

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 24682

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	77		70 - 130

Lab Sample ID: MB 880-24742/1-A
Matrix: Solid
Analysis Batch: 24769

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24742

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		05/03/22 14:16	05/04/22 10:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/03/22 14:16	05/04/22 10:58	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/03/22 14:16	05/04/22 10:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	05/03/22 14:16	05/04/22 10:58	1
o-Terphenyl	97		70 - 130	05/03/22 14:16	05/04/22 10:58	1

Lab Sample ID: LCS 880-24742/2-A
Matrix: Solid
Analysis Batch: 24769

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24742

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	935.0		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	967.7		mg/Kg		97	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: LCSD 880-24742/3-A
Matrix: Solid
Analysis Batch: 24769

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 24742

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1022		mg/Kg		102	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	1040		mg/Kg		104	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	110		70 - 130

QC Sample Results

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-14234-1 MS
Matrix: Solid
Analysis Batch: 24769

Client Sample ID: CS-1 (1.0')
Prep Type: Total/NA
Prep Batch: 24742

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 F1	1000	331.2	F1	mg/Kg		33	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1 F2	1000	292.2	F1	mg/Kg		28	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*33*	*S1-*	*70 - 130*
o-Terphenyl	*29*	*S1-*	*70 - 130*

Lab Sample ID: 880-14234-1 MSD
Matrix: Solid
Analysis Batch: 24769

Client Sample ID: CS-1 (1.0')
Prep Type: Total/NA
Prep Batch: 24742

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 F1	998	374.5	F1	mg/Kg		38	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1 F2	998	363.9	F1 F2	mg/Kg		35	70 - 130	22	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*43*	*S1-*	*70 - 130*
o-Terphenyl	*34*	*S1-*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-24459/1-A
Matrix: Solid
Analysis Batch: 24752

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			05/03/22 20:54	1

Lab Sample ID: LCS 880-24459/2-A
Matrix: Solid
Analysis Batch: 24752

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.2		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-24459/3-A
Matrix: Solid
Analysis Batch: 24752

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	239.0		mg/Kg		96	90 - 110	1	20

QC Sample Results

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-14234-1 MS — **Client Sample ID: CS-1 (1.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 24752

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	72.1		250	316.9		mg/Kg		98	90 - 110

Lab Sample ID: 880-14234-1 MSD — **Client Sample ID: CS-1 (1.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 24752

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	72.1		250	312.8		mg/Kg		96	90 - 110	1	20

Lab Sample ID: MB 880-24460/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 24756

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/04/22 21:50	1

Lab Sample ID: LCS 880-24460/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 24756

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.6		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-24460/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 24756

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	259.4		mg/Kg		104	90 - 110	2	20

Lab Sample ID: 880-14193-A-5-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 24756

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.2		252	261.9		mg/Kg		96	90 - 110

Lab Sample ID: 880-14193-A-5-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 24756

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	20.2		252	255.8		mg/Kg		94	90 - 110	2	20

QC Association Summary

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 25078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14234-1	CS-1 (1.0')	Total/NA	Solid	5035	
880-14234-2	CS-2 (1.0')	Total/NA	Solid	5035	
880-14234-3	CS-3 (1.0')	Total/NA	Solid	5035	
880-14234-4	CS-4 (1.0')	Total/NA	Solid	5035	
MB 880-25078/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-25078/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-25078/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-14233-A-15-C MS	Matrix Spike	Total/NA	Solid	5035	
880-14233-A-15-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 25085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14234-5	CS-5 (1.0')	Total/NA	Solid	5035	
880-14234-6	CS-6 (1.0')	Total/NA	Solid	5035	
880-14234-7	CS-7 (1.0')	Total/NA	Solid	5035	
880-14234-8	CS-8 (1.5')	Total/NA	Solid	5035	
880-14234-9	SW-1	Total/NA	Solid	5035	
880-14234-11	SW-3	Total/NA	Solid	5035	
880-14234-12	SW-4	Total/NA	Solid	5035	
880-14234-13	SW-5	Total/NA	Solid	5035	
880-14234-14	SW-6	Total/NA	Solid	5035	
880-14234-15	SW-7	Total/NA	Solid	5035	
880-14234-16	SW-8	Total/NA	Solid	5035	
MB 880-25085/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-25085/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-25085/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-14234-5 MS	CS-5 (1.0')	Total/NA	Solid	5035	
880-14234-5 MSD	CS-5 (1.0')	Total/NA	Solid	5035	

Analysis Batch: 25223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14234-5	CS-5 (1.0')	Total/NA	Solid	8021B	25085
880-14234-6	CS-6 (1.0')	Total/NA	Solid	8021B	25085
880-14234-7	CS-7 (1.0')	Total/NA	Solid	8021B	25085
880-14234-8	CS-8 (1.5')	Total/NA	Solid	8021B	25085
880-14234-9	SW-1	Total/NA	Solid	8021B	25085
880-14234-11	SW-3	Total/NA	Solid	8021B	25085
880-14234-12	SW-4	Total/NA	Solid	8021B	25085
880-14234-13	SW-5	Total/NA	Solid	8021B	25085
880-14234-14	SW-6	Total/NA	Solid	8021B	25085
880-14234-15	SW-7	Total/NA	Solid	8021B	25085
880-14234-16	SW-8	Total/NA	Solid	8021B	25085
MB 880-25085/5-A	Method Blank	Total/NA	Solid	8021B	25085
LCS 880-25085/1-A	Lab Control Sample	Total/NA	Solid	8021B	25085
LCSD 880-25085/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	25085
880-14234-5 MS	CS-5 (1.0')	Total/NA	Solid	8021B	25085
880-14234-5 MSD	CS-5 (1.0')	Total/NA	Solid	8021B	25085

Analysis Batch: 25225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14234-1	CS-1 (1.0')	Total/NA	Solid	8021B	25078

QC Association Summary

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 25225 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14234-2	CS-2 (1.0')	Total/NA	Solid	8021B	25078
880-14234-3	CS-3 (1.0')	Total/NA	Solid	8021B	25078
880-14234-4	CS-4 (1.0')	Total/NA	Solid	8021B	25078
MB 880-25078/5-A	Method Blank	Total/NA	Solid	8021B	25078
LCS 880-25078/1-A	Lab Control Sample	Total/NA	Solid	8021B	25078
LCSD 880-25078/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	25078
880-14233-A-15-C MS	Matrix Spike	Total/NA	Solid	8021B	25078
880-14233-A-15-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	25078

Analysis Batch: 25292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14234-1	CS-1 (1.0')	Total/NA	Solid	Total BTEX	
880-14234-2	CS-2 (1.0')	Total/NA	Solid	Total BTEX	
880-14234-3	CS-3 (1.0')	Total/NA	Solid	Total BTEX	
880-14234-4	CS-4 (1.0')	Total/NA	Solid	Total BTEX	
880-14234-5	CS-5 (1.0')	Total/NA	Solid	Total BTEX	
880-14234-6	CS-6 (1.0')	Total/NA	Solid	Total BTEX	
880-14234-7	CS-7 (1.0')	Total/NA	Solid	Total BTEX	
880-14234-8	CS-8 (1.5')	Total/NA	Solid	Total BTEX	
880-14234-9	SW-1	Total/NA	Solid	Total BTEX	
880-14234-10	SW-2	Total/NA	Solid	Total BTEX	
880-14234-11	SW-3	Total/NA	Solid	Total BTEX	
880-14234-12	SW-4	Total/NA	Solid	Total BTEX	
880-14234-13	SW-5	Total/NA	Solid	Total BTEX	
880-14234-14	SW-6	Total/NA	Solid	Total BTEX	
880-14234-15	SW-7	Total/NA	Solid	Total BTEX	
880-14234-16	SW-8	Total/NA	Solid	Total BTEX	

Prep Batch: 25305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14234-10	SW-2	Total/NA	Solid	5035	
MB 880-25305/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-25305/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-25305/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-14653-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-14653-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 25307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14234-10	SW-2	Total/NA	Solid	8021B	25305
MB 880-25305/5-A	Method Blank	Total/NA	Solid	8021B	25305
LCS 880-25305/1-A	Lab Control Sample	Total/NA	Solid	8021B	25305
LCSD 880-25305/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	25305
880-14653-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	25305
880-14653-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	25305

GC Semi VOA

Prep Batch: 24682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14234-10	SW-2	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 24682 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14234-11	SW-3	Total/NA	Solid	8015NM Prep	
880-14234-12	SW-4	Total/NA	Solid	8015NM Prep	
880-14234-13	SW-5	Total/NA	Solid	8015NM Prep	
880-14234-14	SW-6	Total/NA	Solid	8015NM Prep	
880-14234-15	SW-7	Total/NA	Solid	8015NM Prep	
880-14234-16	SW-8	Total/NA	Solid	8015NM Prep	
MB 880-24682/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-24682/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-24682/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2256-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2256-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 24705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14234-10	SW-2	Total/NA	Solid	8015B NM	24682
880-14234-11	SW-3	Total/NA	Solid	8015B NM	24682
880-14234-12	SW-4	Total/NA	Solid	8015B NM	24682
880-14234-13	SW-5	Total/NA	Solid	8015B NM	24682
880-14234-14	SW-6	Total/NA	Solid	8015B NM	24682
880-14234-15	SW-7	Total/NA	Solid	8015B NM	24682
880-14234-16	SW-8	Total/NA	Solid	8015B NM	24682
MB 880-24682/1-A	Method Blank	Total/NA	Solid	8015B NM	24682
LCS 880-24682/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	24682
LCSD 880-24682/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	24682
890-2256-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	24682
890-2256-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	24682

Prep Batch: 24742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14234-1	CS-1 (1.0')	Total/NA	Solid	8015NM Prep	
880-14234-2	CS-2 (1.0')	Total/NA	Solid	8015NM Prep	
880-14234-3	CS-3 (1.0')	Total/NA	Solid	8015NM Prep	
880-14234-4	CS-4 (1.0')	Total/NA	Solid	8015NM Prep	
880-14234-5	CS-5 (1.0')	Total/NA	Solid	8015NM Prep	
880-14234-6	CS-6 (1.0')	Total/NA	Solid	8015NM Prep	
880-14234-7	CS-7 (1.0')	Total/NA	Solid	8015NM Prep	
880-14234-8	CS-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-14234-9	SW-1	Total/NA	Solid	8015NM Prep	
MB 880-24742/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-24742/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-24742/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-14234-1 MS	CS-1 (1.0')	Total/NA	Solid	8015NM Prep	
880-14234-1 MSD	CS-1 (1.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 24769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14234-1	CS-1 (1.0')	Total/NA	Solid	8015B NM	24742
880-14234-2	CS-2 (1.0')	Total/NA	Solid	8015B NM	24742
880-14234-3	CS-3 (1.0')	Total/NA	Solid	8015B NM	24742
880-14234-4	CS-4 (1.0')	Total/NA	Solid	8015B NM	24742
880-14234-5	CS-5 (1.0')	Total/NA	Solid	8015B NM	24742

QC Association Summary

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 24769 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14234-6	CS-6 (1.0')	Total/NA	Solid	8015B NM	24742
880-14234-7	CS-7 (1.0')	Total/NA	Solid	8015B NM	24742
880-14234-8	CS-8 (1.5')	Total/NA	Solid	8015B NM	24742
880-14234-9	SW-1	Total/NA	Solid	8015B NM	24742
MB 880-24742/1-A	Method Blank	Total/NA	Solid	8015B NM	24742
LCS 880-24742/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	24742
LCSD 880-24742/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	24742
880-14234-1 MS	CS-1 (1.0')	Total/NA	Solid	8015B NM	24742
880-14234-1 MSD	CS-1 (1.0')	Total/NA	Solid	8015B NM	24742

Analysis Batch: 24788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14234-1	CS-1 (1.0')	Total/NA	Solid	8015 NM	
880-14234-2	CS-2 (1.0')	Total/NA	Solid	8015 NM	
880-14234-3	CS-3 (1.0')	Total/NA	Solid	8015 NM	
880-14234-4	CS-4 (1.0')	Total/NA	Solid	8015 NM	
880-14234-5	CS-5 (1.0')	Total/NA	Solid	8015 NM	
880-14234-6	CS-6 (1.0')	Total/NA	Solid	8015 NM	
880-14234-7	CS-7 (1.0')	Total/NA	Solid	8015 NM	
880-14234-8	CS-8 (1.5')	Total/NA	Solid	8015 NM	
880-14234-9	SW-1	Total/NA	Solid	8015 NM	
880-14234-10	SW-2	Total/NA	Solid	8015 NM	
880-14234-11	SW-3	Total/NA	Solid	8015 NM	
880-14234-12	SW-4	Total/NA	Solid	8015 NM	
880-14234-13	SW-5	Total/NA	Solid	8015 NM	
880-14234-14	SW-6	Total/NA	Solid	8015 NM	
880-14234-15	SW-7	Total/NA	Solid	8015 NM	
880-14234-16	SW-8	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 24459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14234-1	CS-1 (1.0')	Soluble	Solid	DI Leach	
880-14234-2	CS-2 (1.0')	Soluble	Solid	DI Leach	
880-14234-3	CS-3 (1.0')	Soluble	Solid	DI Leach	
880-14234-4	CS-4 (1.0')	Soluble	Solid	DI Leach	
880-14234-5	CS-5 (1.0')	Soluble	Solid	DI Leach	
880-14234-6	CS-6 (1.0')	Soluble	Solid	DI Leach	
880-14234-7	CS-7 (1.0')	Soluble	Solid	DI Leach	
880-14234-8	CS-8 (1.5')	Soluble	Solid	DI Leach	
880-14234-9	SW-1	Soluble	Solid	DI Leach	
880-14234-10	SW-2	Soluble	Solid	DI Leach	
MB 880-24459/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-24459/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-24459/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-14234-1 MS	CS-1 (1.0')	Soluble	Solid	DI Leach	
880-14234-1 MSD	CS-1 (1.0')	Soluble	Solid	DI Leach	

QC Association Summary

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

HPLC/IC

Leach Batch: 24460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14234-11	SW-3	Soluble	Solid	DI Leach	
880-14234-12	SW-4	Soluble	Solid	DI Leach	
880-14234-13	SW-5	Soluble	Solid	DI Leach	
880-14234-14	SW-6	Soluble	Solid	DI Leach	
880-14234-15	SW-7	Soluble	Solid	DI Leach	
880-14234-16	SW-8	Soluble	Solid	DI Leach	
MB 880-24460/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-24460/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-24460/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-14193-A-5-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-14193-A-5-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 24752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14234-1	CS-1 (1.0')	Soluble	Solid	300.0	24459
880-14234-2	CS-2 (1.0')	Soluble	Solid	300.0	24459
880-14234-3	CS-3 (1.0')	Soluble	Solid	300.0	24459
880-14234-4	CS-4 (1.0')	Soluble	Solid	300.0	24459
880-14234-5	CS-5 (1.0')	Soluble	Solid	300.0	24459
880-14234-6	CS-6 (1.0')	Soluble	Solid	300.0	24459
880-14234-7	CS-7 (1.0')	Soluble	Solid	300.0	24459
880-14234-8	CS-8 (1.5')	Soluble	Solid	300.0	24459
880-14234-9	SW-1	Soluble	Solid	300.0	24459
880-14234-10	SW-2	Soluble	Solid	300.0	24459
MB 880-24459/1-A	Method Blank	Soluble	Solid	300.0	24459
LCS 880-24459/2-A	Lab Control Sample	Soluble	Solid	300.0	24459
LCSD 880-24459/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	24459
880-14234-1 MS	CS-1 (1.0')	Soluble	Solid	300.0	24459
880-14234-1 MSD	CS-1 (1.0')	Soluble	Solid	300.0	24459

Analysis Batch: 24756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14234-11	SW-3	Soluble	Solid	300.0	24460
880-14234-12	SW-4	Soluble	Solid	300.0	24460
880-14234-13	SW-5	Soluble	Solid	300.0	24460
880-14234-14	SW-6	Soluble	Solid	300.0	24460
880-14234-15	SW-7	Soluble	Solid	300.0	24460
880-14234-16	SW-8	Soluble	Solid	300.0	24460
MB 880-24460/1-A	Method Blank	Soluble	Solid	300.0	24460
LCS 880-24460/2-A	Lab Control Sample	Soluble	Solid	300.0	24460
LCSD 880-24460/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	24460
880-14193-A-5-C MS	Matrix Spike	Soluble	Solid	300.0	24460
880-14193-A-5-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	24460

Lab Chronicle

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Client Sample ID: CS-1 (1.0')

Lab Sample ID: 880-14234-1
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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	25078	05/09/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1			25225	05/10/22 18:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25292	05/10/22 19:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24788	05/04/22 10:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24742	05/03/22 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24769	05/04/22 12:04	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	24459	04/28/22 17:28	SC	XEN MID
Soluble	Analysis	300.0		1			24752	05/03/22 23:24	CH	XEN MID

Client Sample ID: CS-2 (1.0')

Lab Sample ID: 880-14234-2
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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	25078	05/09/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1			25225	05/10/22 19:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25292	05/10/22 19:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24788	05/04/22 10:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24742	05/03/22 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24769	05/04/22 19:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	24459	04/28/22 17:28	SC	XEN MID
Soluble	Analysis	300.0		1			24752	05/03/22 23:51	CH	XEN MID

Client Sample ID: CS-3 (1.0')

Lab Sample ID: 880-14234-3
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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	25078	05/09/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1			25225	05/10/22 19:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25292	05/10/22 19:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24788	05/04/22 10:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24742	05/03/22 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24769	05/04/22 13:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	24459	04/28/22 17:28	SC	XEN MID
Soluble	Analysis	300.0		1			24752	05/04/22 00:00	CH	XEN MID

Client Sample ID: CS-4 (1.0')

Lab Sample ID: 880-14234-4
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	25078	05/09/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1			25225	05/10/22 19:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25292	05/10/22 19:11	AJ	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Client Sample ID: CS-4 (1.0')

Lab Sample ID: 880-14234-4
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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			24788	05/04/22 10:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	24742	05/03/22 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24769	05/04/22 14:58	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	24459	04/28/22 17:28	SC	XEN MID
Soluble	Analysis	300.0		1			24752	05/04/22 00:26	CH	XEN MID

Client Sample ID: CS-5 (1.0')

Lab Sample ID: 880-14234-5
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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	25085	05/09/22 11:44	MR	XEN MID
Total/NA	Analysis	8021B		1			25223	05/10/22 14:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25292	05/10/22 19:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24788	05/04/22 10:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24742	05/03/22 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24769	05/04/22 15:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	24459	04/28/22 17:28	SC	XEN MID
Soluble	Analysis	300.0		1			24752	05/04/22 00:35	CH	XEN MID

Client Sample ID: CS-6 (1.0')

Lab Sample ID: 880-14234-6
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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	25085	05/09/22 11:44	MR	XEN MID
Total/NA	Analysis	8021B		1			25223	05/10/22 17:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25292	05/10/22 19:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24788	05/04/22 10:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24742	05/03/22 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24769	05/04/22 15:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	24459	04/28/22 17:28	SC	XEN MID
Soluble	Analysis	300.0		1			24752	05/04/22 00:44	CH	XEN MID

Client Sample ID: CS-7 (1.0')

Lab Sample ID: 880-14234-7
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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	25085	05/09/22 11:44	MR	XEN MID
Total/NA	Analysis	8021B		1			25223	05/10/22 17:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25292	05/10/22 19:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24788	05/04/22 10:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24742	05/03/22 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24769	05/04/22 16:03	AJ	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Client Sample ID: CS-7 (1.0')

Lab Sample ID: 880-14234-7
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	24459	04/28/22 17:28	SC	XEN MID
Soluble	Analysis	300.0		1			24752	05/04/22 00:53	CH	XEN MID

Client Sample ID: CS-8 (1.5')

Lab Sample ID: 880-14234-8
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	25085	05/09/22 11:44	MR	XEN MID
Total/NA	Analysis	8021B		1			25223	05/10/22 18:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25292	05/10/22 19:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24788	05/04/22 10:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24742	05/03/22 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24769	05/04/22 16:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	24459	04/28/22 17:28	SC	XEN MID
Soluble	Analysis	300.0		1			24752	05/04/22 01:02	CH	XEN MID

Client Sample ID: SW-1

Lab Sample ID: 880-14234-9
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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	25085	05/09/22 11:44	MR	XEN MID
Total/NA	Analysis	8021B		1			25223	05/10/22 20:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25292	05/10/22 19:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24788	05/04/22 10:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24742	05/03/22 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24769	05/04/22 16:47	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	24459	04/28/22 17:28	SC	XEN MID
Soluble	Analysis	300.0		1			24752	05/04/22 01:10	CH	XEN MID

Client Sample ID: SW-2

Lab Sample ID: 880-14234-10
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	25305	05/11/22 08:21	MR	XEN MID
Total/NA	Analysis	8021B		1			25307	05/11/22 19:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25292	05/10/22 19:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24788	05/04/22 10:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24682	05/02/22 16:14	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24705	05/04/22 04:12	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	24459	04/28/22 17:28	SC	XEN MID
Soluble	Analysis	300.0		1			24752	05/04/22 01:19	CH	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Client Sample ID: SW-3
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

Lab Sample ID: 880-14234-11
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	25085	05/09/22 11:44	MR	XEN MID
Total/NA	Analysis	8021B		1			25223	05/10/22 20:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25292	05/10/22 19:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24788	05/04/22 10:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24682	05/02/22 16:14	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24705	05/04/22 04:34	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	24460	04/28/22 17:31	SC	XEN MID
Soluble	Analysis	300.0		1			24756	05/05/22 11:42	CH	XEN MID

Client Sample ID: SW-4
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

Lab Sample ID: 880-14234-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	25085	05/09/22 11:44	MR	XEN MID
Total/NA	Analysis	8021B		1			25223	05/10/22 21:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25292	05/10/22 19:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24788	05/04/22 10:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24682	05/02/22 16:14	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24705	05/04/22 04:56	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	24460	04/28/22 17:31	SC	XEN MID
Soluble	Analysis	300.0		1			24756	05/05/22 12:10	CH	XEN MID

Client Sample ID: SW-5
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

Lab Sample ID: 880-14234-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	25085	05/09/22 11:44	MR	XEN MID
Total/NA	Analysis	8021B		1			25223	05/10/22 21:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25292	05/10/22 19:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24788	05/04/22 10:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	24682	05/02/22 16:14	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24705	05/04/22 05:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	24460	04/28/22 17:31	SC	XEN MID
Soluble	Analysis	300.0		1			24756	05/05/22 12:19	CH	XEN MID

Client Sample ID: SW-6
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

Lab Sample ID: 880-14234-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	25085	05/09/22 11:44	MR	XEN MID
Total/NA	Analysis	8021B		1			25223	05/10/22 22:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25292	05/10/22 19:11	AJ	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Client Sample ID: SW-6

Lab Sample ID: 880-14234-14
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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			24788	05/04/22 10:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24682	05/02/22 16:14	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24705	05/04/22 05:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	24460	04/28/22 17:31	SC	XEN MID
Soluble	Analysis	300.0		1			24756	05/05/22 12:28	CH	XEN MID

Client Sample ID: SW-7

Lab Sample ID: 880-14234-15
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

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	25085	05/09/22 11:44	MR	XEN MID
Total/NA	Analysis	8021B		1			25223	05/10/22 22:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25292	05/10/22 19:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24788	05/04/22 10:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24682	05/02/22 16:14	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24705	05/04/22 05:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	24460	04/28/22 17:31	SC	XEN MID
Soluble	Analysis	300.0		1			24756	05/05/22 12:37	CH	XEN MID

Client Sample ID: SW-8

Lab Sample ID: 880-14234-16
Matrix: Solid
Date Collected: 04/28/22 00:00
Date Received: 04/28/22 16:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	25085	05/09/22 11:44	MR	XEN MID
Total/NA	Analysis	8021B		1			25223	05/10/22 23:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25292	05/10/22 19:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24788	05/04/22 10:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24682	05/02/22 16:14	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24705	05/04/22 06:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	24460	04/28/22 17:31	SC	XEN MID
Soluble	Analysis	300.0		1			24756	05/05/22 12:47	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
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	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: Talon 5-8 Fed 1H-5H

Job ID: 880-14234-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-14234-1	CS-1 (1.0')	Solid	04/28/22 00:00	04/28/22 16:38
880-14234-2	CS-2 (1.0')	Solid	04/28/22 00:00	04/28/22 16:38
880-14234-3	CS-3 (1.0')	Solid	04/28/22 00:00	04/28/22 16:38
880-14234-4	CS-4 (1.0')	Solid	04/28/22 00:00	04/28/22 16:38
880-14234-5	CS-5 (1.0')	Solid	04/28/22 00:00	04/28/22 16:38
880-14234-6	CS-6 (1.0')	Solid	04/28/22 00:00	04/28/22 16:38
880-14234-7	CS-7 (1.0')	Solid	04/28/22 00:00	04/28/22 16:38
880-14234-8	CS-8 (1.5')	Solid	04/28/22 00:00	04/28/22 16:38
880-14234-9	SW-1	Solid	04/28/22 00:00	04/28/22 16:38
880-14234-10	SW-2	Solid	04/28/22 00:00	04/28/22 16:38
880-14234-11	SW-3	Solid	04/28/22 00:00	04/28/22 16:38
880-14234-12	SW-4	Solid	04/28/22 00:00	04/28/22 16:38
880-14234-13	SW-5	Solid	04/28/22 00:00	04/28/22 16:38
880-14234-14	SW-6	Solid	04/28/22 00:00	04/28/22 16:38
880-14234-15	SW-7	Solid	04/28/22 00:00	04/28/22 16:38
880-14234-16	SW-8	Solid	04/28/22 00:00	04/28/22 16:38

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: 14234

Page _____ of _____

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

Work Order Comments

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

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name:	Talon 5-8 Fed 1H-5H	Turn Around	
Project Number	225211	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date	
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	-.2
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	5.2
Total Containers.		Corrected Temperature.	5.0

ANALYSIS REQUEST

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL HC HNO_3 HN

H_2S0_4 H_2 NaOH Na

H_3PO_4 HP

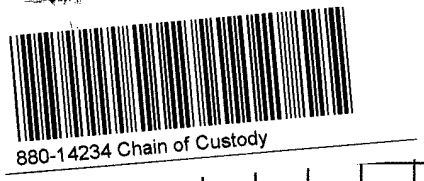
$NaHSO_4$ NABIS

$Na_2S_2O_3$. $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
CS-1 (1 0')	4/28/2022	-	X	-	C	1		X	X	X		
CS-2 (1 0')	4/28/2022	-	X	-	C	1		X	X	X		
CS-3 (1 0')	4/28/2022	-	X	-	C	1		X	X	X		
CS-4 (1 0')	4/28/2022	-	X	-	C	1		X	X	X		
CS-5 (1 0')	4/28/2022	-	X	-	C	1		X	X	X		
CS-6 (1 0')	4/28/2022	-	X	-	C	1		X	X	X		
CS-7 (1 0')	4/28/2022	-	X	-	C	1		X	X	X		
CS-8 (1 5')	4/28/2022	-	X	-	C	1		X	X	X		
SW-1	4/28/2022	-	X	-	C	1		X	X	X		
SW-2	4/28/2022	-	X	-	C	1		X	X	X		



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
Nick Hart		4/28/22 16:38	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: 14234

5/12/2022

Page _____ of _____

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

Work Order Comments

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

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Talon 5-8 Fed 1H-5H	Turn Around	
Project Number	225211	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date	
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:		

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD
SW-3	4/28/2022	-	X	-	C	1		X	X	X	
SW-4	4/28/2022	-	X	-	C	1		X	X	X	
SW-5	4/28/2022	-	X	-	C	1		X	X	X	
SW-6	4/28/2022	-	X	-	C	1		X	X	X	
SW-7	4/28/2022	-	X	-	C	1		X	X	X	
SW-8	4/28/2022	-	X	-	C	1		X	X	X	

Parameters

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

Loc: 880

14234

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
Nick Hart		4/28/22 16:30	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020 1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-14234-1
SDG Number: Lea Co, NM

Login Number: 14234
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

COMMENTS

Action 123642

COMMENTS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 123642
	Action Type: [C-141] Release Corrective Action (C-141)

COMMENTS

Created By	Comment	Comment Date
jharimon	No cause of release given on C-141	7/8/2022

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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State of New Mexico
Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

CONDITIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 123642
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	7/14/2022