



Site Information

Closure Report

Craig State #003H (07.16.21)

Eddy County, New Mexico

Unit C Sec 36 T25S R26E

Incident #: NAPP2121533263

32.092229 °, -104.249344 °

Crude Oil Release

Source: Equipment malfunction at the flare

Release Date: 7/16/2021

Volume Released: 3 bbls/Crude Oil

Volume Recovered: 0 bbls/Crude Oil

Prepared for:

COG Operating, LLC

15 West London Rd

Loving, NM 88256

Prepared by:

NTG Environmental

701 Tradewinds Blvd

Suite C

Midland, TX 79706



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

November 19, 2021

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

**Re: Closure Report
Craig State #003H (07.16.21)
Concho Operating, LLC
Site Location: Unit C, S36, T25S, R26E
(Lat 32.092229 °, Long -104.249344 °)
Eddy County, New Mexico**

To whom it may concern:

On behalf of Concho Operating, LLC (COG), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment and remediation activities for Craig State #003H. The site is located at 32.092229°, -104.249344° within Unit C, S36, T25S, R26E, and approximately 13.84 miles southwest of Malaga, New Mexico, in Eddy County (Figures 1 and 2).

Background

Based on the initial C-141 submitted to the New Mexico Oil Conservation Division (NMOCD), a three (3) barrel crude oil release was discovered on July 16, 2021, due to equipment malfunction at the flare. No oil recovery was achieved. The impacted area measured approximately 12' x 12', as shown in Figure 3. The initial C-141 form is attached in Appendix A.

Site Characterization

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is no known water source within a ½ mile radius of the location. The nearest identified well is located approximately 0.84 miles Northeast of the site in S25, T25S, R26E. The well has a reported depth to groundwater of 13.96' feet below ground surface (ft bgs). A copy of the associated *Point of Diversion Summary* report is attached in Appendix B.

Regulatory Criteria

In accordance with the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

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

Site Assessment

On October 6, 2021, NTGE personnel were on site to horizontally and vertically define the release. A total of one (1) sample point S-1 and four (4) horizontal sample points H-1 through H-4 were installed to total depths ranging from surface to 1.0 ft below the surface. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 1. The sample locations are shown on Figure 3.

Referring to Table 1, the area of S-1 showed a high chloride concentration of 2,520 mg/kg at a depth of surface to 1.0 ft bgs. The areas of H-1, H-2, H-3, and H-4 were all below the NMOCD regulatory criteria for TPH, BTEX, and chloride.

Remediation Activities and Confirmation Sampling

New Tech Global Environmental personnel were on site on October 13, 2021, to supervise the remediation activities and collect confirmation samples. The area of CS-1 and CS-2 was excavated to a depth of 1.0'-1.5' below the surface.

A total of two (2) confirmation samples were collected (CS-1 and CS-2), and five (5) sidewall samples (SW-1 through SW-5) were collected every 200 square feet to ensure proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 2. The excavation depths and confirmation sample locations are shown in Figure 4.

All the final confirmation samples were below the 19.15.29.12 NMAC criteria. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 18 cubic yards of material were excavated and transported offsite for proper disposal.

Conclusions

Based on the assessment finding and the analytical results, no further actions are required at the site. The final C-141 is attached, and Concho Operating, LLC formally requests closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-0263.

Sincerely,

NTG Environmental



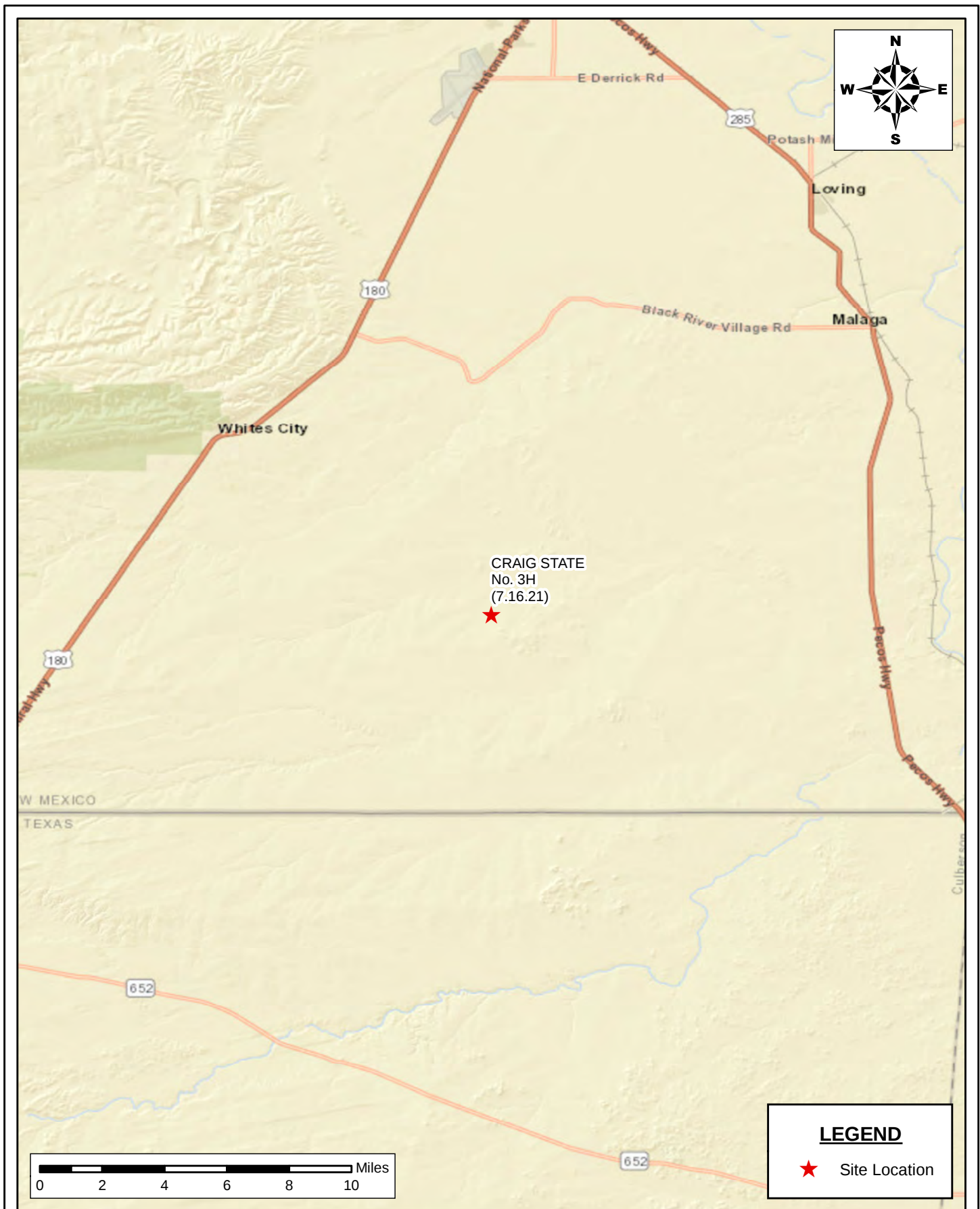
Mike Carmona
Senior Project Manager



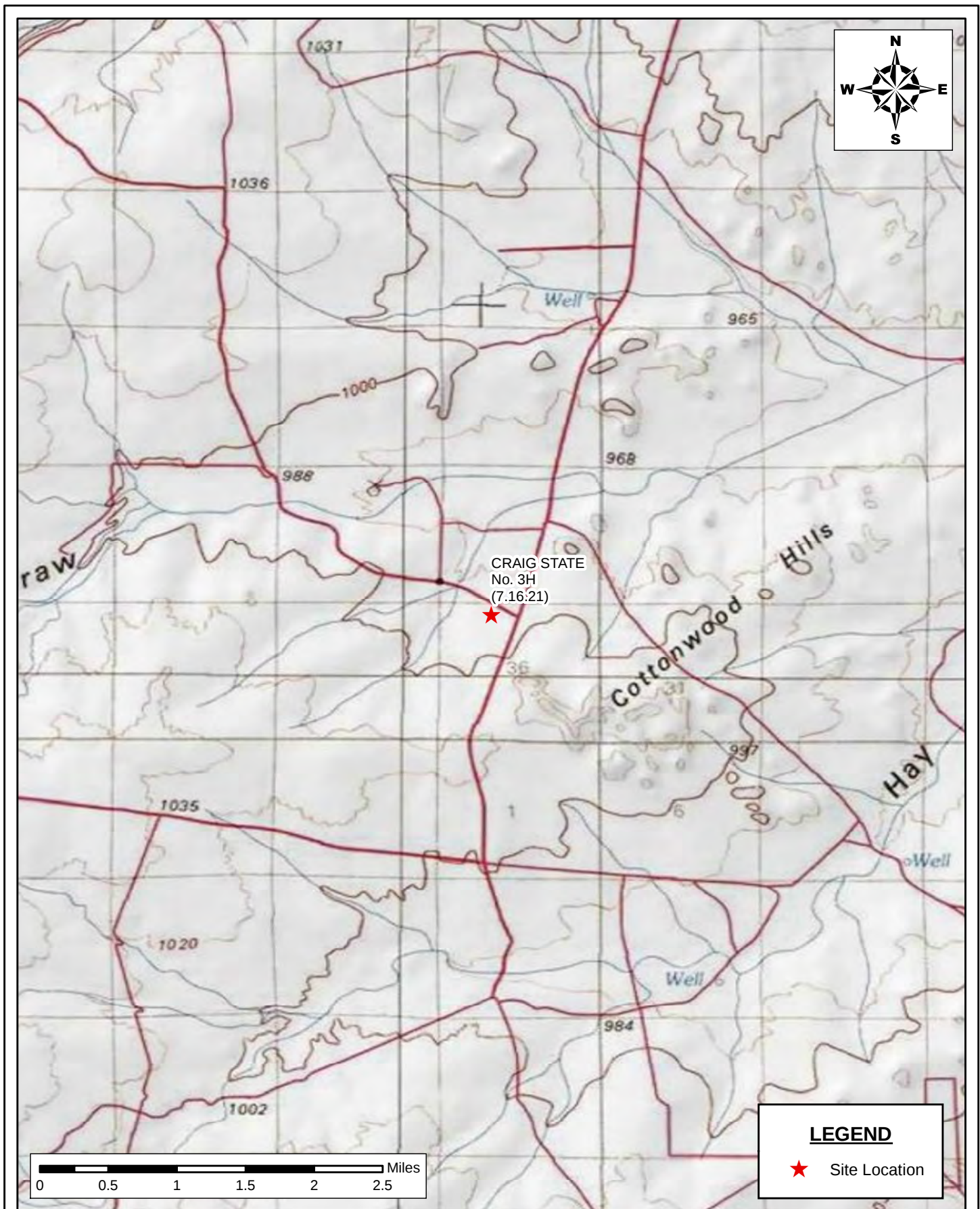
Clinton Merritt
Project Manager



Figures



SITE LOCATION MAP COG OPERATING, LLC CRAIG STATE No. 3H (7.16.21) EDDY COUNTY, NEW MEXICO 32.092229°, -104.249344°	 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	DRAWING NUMBER: FIGURE 1 SHEET NUMBER: 1 of 1
SCALE: As Shown Date: 10/15/2021 Project #:214741			



AREA MAP
COG OPERATING, LLC
CRAIG STATE No. 3H (7.16.21)
EDDY COUNTY, NEW MEXICO
32.092229°, -104.249344°

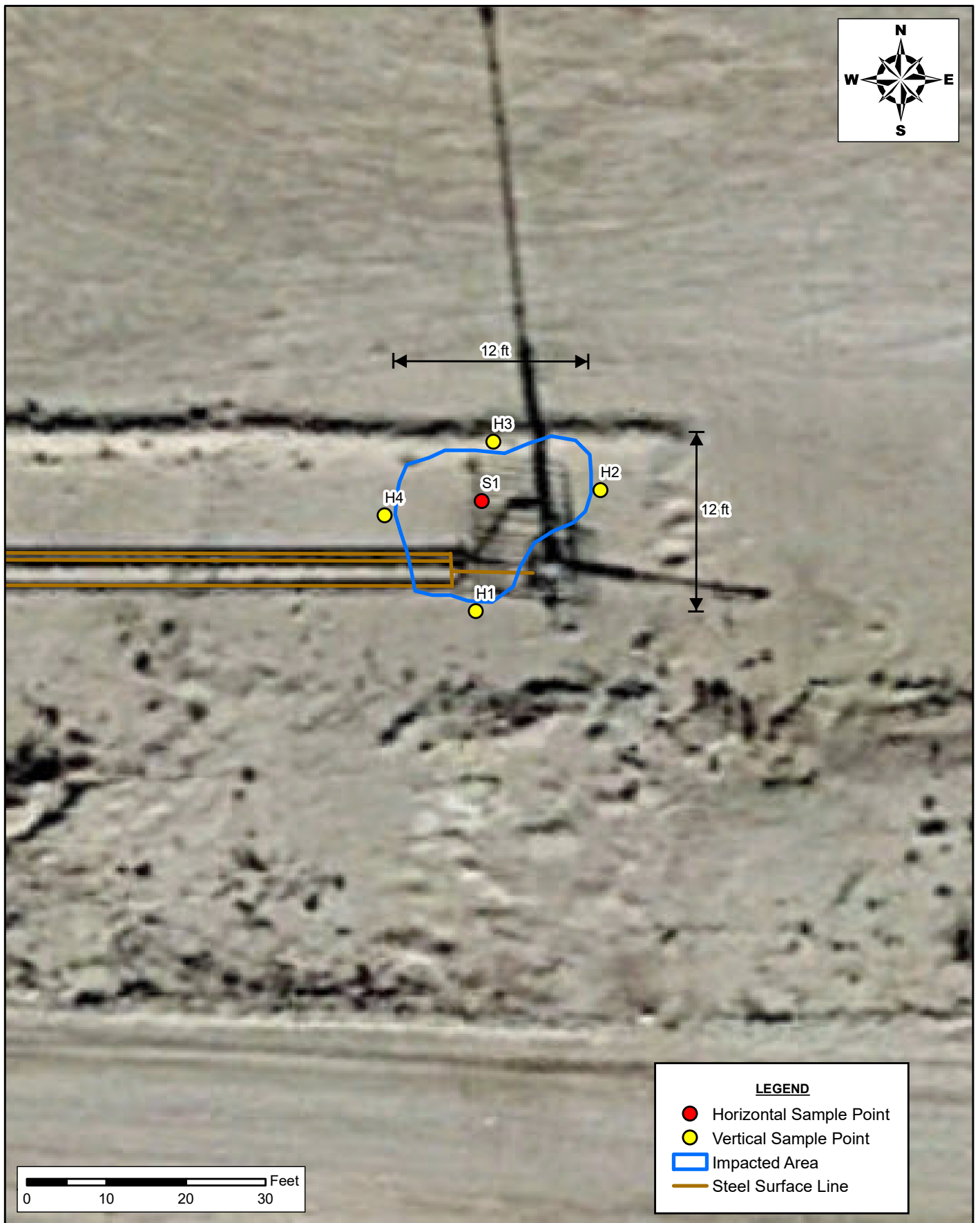
SCALE: As Shown Date: 10/15/2021 Project #:214741


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

DRAWING NUMBER:
FIGURE 2
SHEET NUMBER:
1 of 1

Document Path: P:\2021 PROJECTS\COG\RSC\214741 Craig State #003H 2147417 - Figures\Figure_3_Craig_Sample Location Map.mxd



SAMPLE LOCATION MAP
COG OPERATING, LLC
CRAIG STATE No. 3H (7.16.21)
EDDY COUNTY, NEW MEXICO
32.092229°, -104.249344°

SCALE: As Shown Date: 10/27/2021 Project #: 214741

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: Google Earth
2. Map Projection: NAD 1983

DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1

Document Path: P:\2021 PROJECTS\COG\IRSC\214741 Craig State #003H 2147417 - Figures\Figure_4_Craig_Excavation Map.mxd



EXCAVATION DEPTH MAP
COG OPERATING, LLC
CRAIG STATE No. 3H (7.16.21)
EDDY COUNTY, NEW MEXICO
32.092229°, -104.249344°

SCALE: As Shown Date: 10/28/2021 Project #: 214741

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



NOTES:

1. Base Image: Google Earth
2. Map Projection: NAD 1983

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

1 of 1



Tables

Table 1
COG Operating
Craig State #003H (07.16.21)
Eddy County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	10/6/2021	0-1'	<49.9	<49.9	<49.9	<49.9	0.00427	0.0110	0.00386	0.0216	0.0408	2,520
H-1	10/6/2021	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	96.4
H-2	10/6/2021	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	80.3
H-3	10/6/2021	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	88.4
H-4	10/6/2021	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	86.8
Regulatory Limits						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

Removed

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

Table 2
COG Operating
Craig State #003H (07.16.21)
Eddy County, New Mexico

Sample ID	Date	Excavation Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	10/13/2021	1'-1.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	138
CS-2	10/13/2021	1'-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	174
SW-1	10/13/2021	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5.01
SW-2	10/13/2021	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.04
SW-3	10/13/2021	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.99
SW-4	10/13/2021	-	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.05
SW-5	10/13/2021	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	12.3
Regulatory Limits						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet



Photo Log

PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Craig State #003H (07.16.21)

County: Eddy County, New Mexico

Description:

View South, area of confirmation samples (1-2)



Photograph No. 2

Facility: Craig State #003H (07.16.21)

County: Eddy County, New Mexico

Description:

View Southeast, area of confirmation samples (1-2)



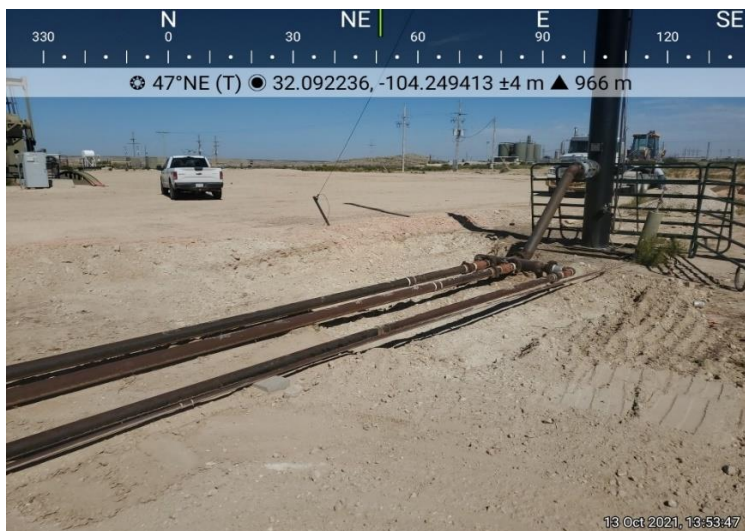
Photograph No. 3

Facility: Craig State #003H (07.16.21)

County: Eddy County, New Mexico

Description:

View Northeast, area of confirmation samples (1-2)





Appendix A

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

Cause of Release

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

Initial Response

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

☐ The source of the release has been stopped.	
☐ The impacted area has been secured to protect human health and the environment.	
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☐ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: _____	Title: _____
Signature: <u>Patricia Zapata</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: _____	Date: _____

L48 Spill Volume Estimate Form												
Facility Name & Number:		Craig State 3H										
Asset Area:		DBWN										
Release Discovery Date & Time:		7.16.21										
Release Type:		Oil										
Provide any known details about the event:		Equipment malfunction sent oil to flare										
Spill Calculation - On Pad Surface Pool Spill												
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Deepest point in each of the areas (in.)	No. of boundaries of "shore" in each area	Estimated <u>Pool</u> Area (sq. ft.)	Estimated Average Depth (ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	30.0	55.0	0.50	4	1650.000	0.010	3.059	0.001	3.061			
Rectangle B					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle C					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle D					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle E					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle F					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle J					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Total Volume Release:									3.061			

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 39533

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 39533
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
marcus	None	8/3/2021

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

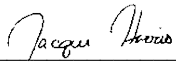
State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature:  Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

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: _____ Title: _____

Signature: *Jacqueline Harris* Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: *Jennifer Nobui* Date: _____

Printed Name: _____ Title: _____



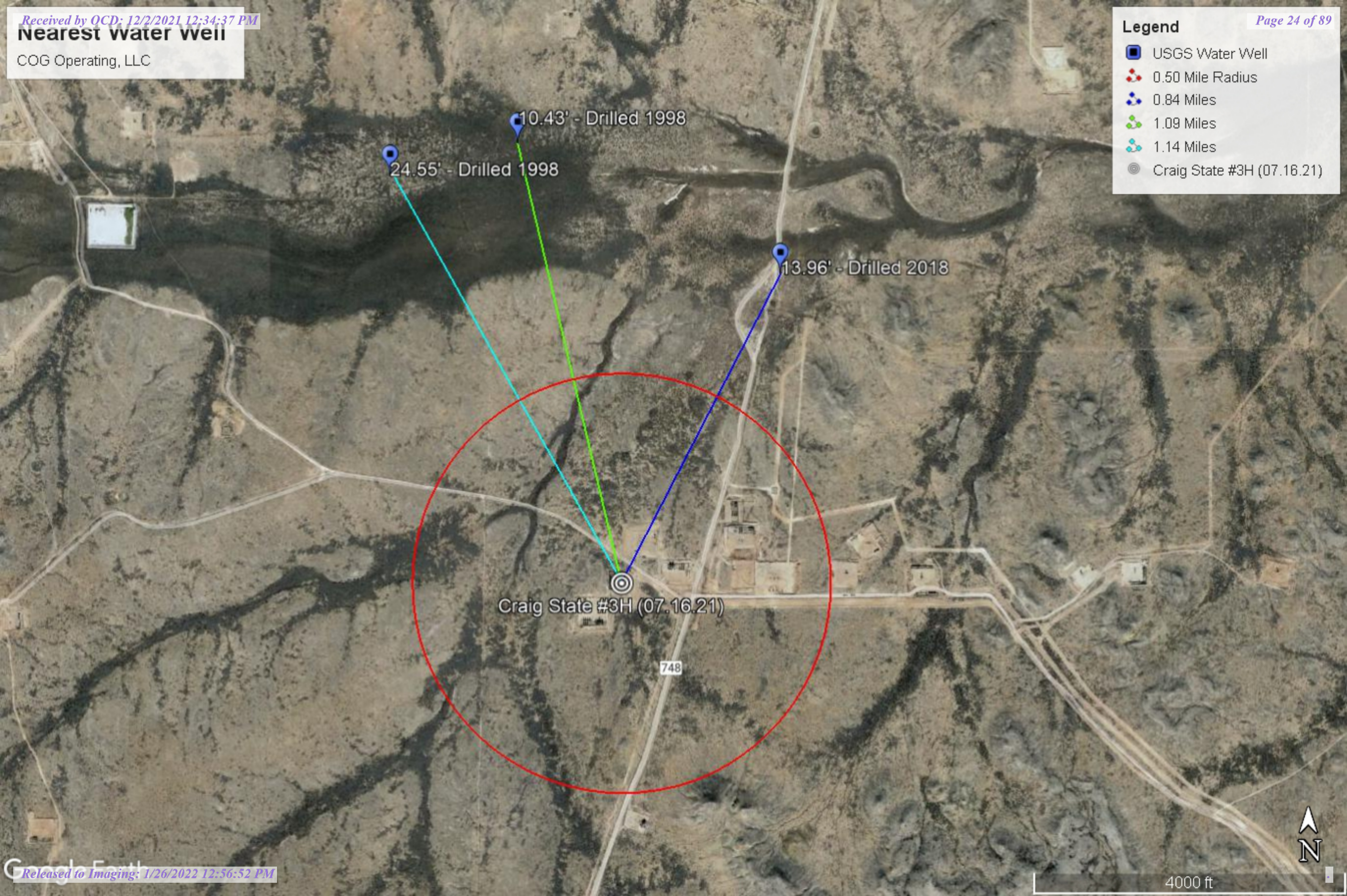
Appendix B

Nearest water well

COG Operating, LLC

Legend

- USGS Water Well
- 0.50 Mile Radius
- 0.84 Miles
- 1.09 Miles
- 1.14 Miles
- Craig State #3H (07.16.21)



Medium Karst

COG Operating, LLC

Legend

-  Craig State #3H (07.16.21)
-  CRIT
-  HIGH
-  MEDIUM

 Craig State #3H (07.16.21)

748



1 mi



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 01013	C	ED		4	25	25S	26E			571505	3551456*	245		
C 01089	C	ED		3	4	1	03	25S	26E	567505	3558398*	96	45	51
C 01368	C	ED		1	1	22	25S	26E		567261	3554059*	143	118	25
C 02220	CUB	ED		3	1	2	26	25S	26E	569598	3552352*	35		
C 02221	CUB	ED		4	3	2	25	25S	26E	571412	3551961*	35		
C 02675	C	ED		1	4	1	09	25S	26E	565907	3556978*	180	45	135
C 03258	C	ED		1	1	4	07	25S	26E	563073	3556546*	360		
C 03285	C	ED		4	4	2	07	25S	26E	563713	3556658	84	60	24
C 03569 POD1	CUB	ED		2	1	1	14	25S	26E	568862	3555746	30	0	30
C 03654 POD1	CUB	ED		2	3	1	24	25S	26E	570654	3553773			
C 03654 POD2	CUB	ED		2	3	1	24	25S	26E	554766	3562304			
C 03655 POD1	CUB	ED			4	22	25S	26E		550692	3561324			
C 03655 POD2	CUB	ED			4	22	25S	26E		550732	3561337			
C 03655 POD3	CUB	ED		1	4	4	22	25S	26E	568458	3553019			
C 03655 POD4	CUB	ED			4	22	25S	26E		550684	3561362			
C 04036 POD1	C	ED		1	4	3	06	25S	26E	562745	3557733	160	125	35
C 04049 POD1	CUB	ED		3	2	3	06	25S	26E	562592	3557864	165	120	45
C 04050 POD1	CUB	ED		1	4	3	06	25S	26E	562695	3557776	165	125	40
C 04329 POD1	C	ED		2	2	2	27	25S	26E	568577	3552567	57	14	43

Average Depth to Water: **72 feet**

Minimum Depth: **0 feet**

Maximum Depth: **125 feet**

Record Count: 19

PLSS Search:

Township: 25S

Range: 26E

*UTM location was derived from PLSS - see Help

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

10/5/21 10:04 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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Agency code = usgs

site_no list =

- 320616104142801

Minimum number of levels = 1

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USGS 320616104142801 25S.26E.25.23231

Eddy County, New Mexico

Latitude 32°06'12.6", Longitude 104°14'33.9" NAD83

Land-surface elevation 3,188.60 feet above NGVD29

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

This well is completed in the Castile Formation (312CSTL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1978-01-25			D 62610		3184.39	NGVD29	1		Z	
1978-01-25			D 62611		3186.05	NAVD88	1		Z	
1978-01-25			D 72019	4.21			1		Z	
1983-02-01			D 62610		3185.96	NGVD29	1		Z	
1983-02-01			D 62611		3187.62	NAVD88	1		Z	
1983-02-01			D 72019	2.64			1		Z	
1987-10-08			D 62610		3185.63	NGVD29	1		Z	
1987-10-08			D 62611		3187.29	NAVD88	1		Z	
1987-10-08			D 72019	2.97			1		Z	
1992-11-04			D 62610		3186.55	NGVD29	1		S	
1992-11-04			D 62611		3188.21	NAVD88	1		S	
1992-11-04			D 72019	2.05			1		S	
1998-01-07			D 62610		3186.62	NGVD29	1		S	
1998-01-07			D 62611		3188.28	NAVD88	1		S	
1998-01-07			D 72019	1.98			1		S	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
2003-01-28			D	62610	3181.38	NGVD29	1	S	USGS	
2003-01-28			D	62611	3183.04	NAVD88	1	S	USGS	
2003-01-28			D	72019	7.22		1	S	USGS	
2013-01-09	22:45 UTC		m	62610	3177.78	NGVD29	1	S	USGS	
2013-01-09	22:45 UTC		m	62611	3179.44	NAVD88	1	S	USGS	
2013-01-09	22:45 UTC		m	72019	10.82		1	S	USGS	
2018-02-13	22:15 UTC		m	62610	3174.64	NGVD29	1	S	USGS	
2018-02-13	22:15 UTC		m	62611	3176.30	NAVD88	1	S	USGS	
2018-02-13	22:15 UTC		m	72019	13.96		1	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for New Mexico: Water Levels

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

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

Page Last Modified: 2021-10-05 12:40:36 EDT

0.31 0.27 nadww02





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Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320629104151301

Minimum number of levels = 1

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USGS 320629104151301 25S.26E.26.22231

Eddy County, New Mexico

Latitude 32°06'29", Longitude 104°15'13" NAD27

Land-surface elevation 3,212 feet above NAVD88

The depth of the well is 16 feet below land surface.

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

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1983-02-01			D 62610		3195.46	NGVD29	1		Z	
1983-02-01			D 62611		3197.12	NAVD88	1		Z	
1983-02-01			D 72019	14.88			1		Z	
1987-10-08			D 62610		3198.45	NGVD29	1		Z	
1987-10-08			D 62611		3200.11	NAVD88	1		Z	
1987-10-08			D 72019	11.89			1		Z	
1992-11-04			D 62610		3199.71	NGVD29	1		S	
1992-11-04			D 62611		3201.37	NAVD88	1		S	
1992-11-04			D 72019	10.63			1		S	
1998-01-07			D 62610		3199.91	NGVD29	1		S	
1998-01-07			D 62611		3201.57	NAVD88	1		S	
1998-01-07			D 72019	10.43			1		S	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for New Mexico: Water Levels

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



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0.28 0.25 nadww01



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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320625104153201

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

USGS 320625104153201 25S.26E.26.213213

Eddy County, New Mexico
Latitude 32°06'25", Longitude 104°15'32" NAD27
Land-surface elevation 3,219 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1983-02-01			D 62610		3199.04	NGVD29	1		Z	
1983-02-01			D 62611		3200.71	NAVD88	1		Z	
1983-02-01			D 72019	18.29			1		Z	
1987-10-08			D 62610		3202.18	NGVD29	1		Z	
1987-10-08			D 62611		3203.85	NAVD88	1		Z	
1987-10-08			D 72019	15.15			1		Z	
1992-11-04			D 62610		3202.16	NGVD29	1		S	
1992-11-04			D 62611		3203.83	NAVD88	1		S	
1992-11-04			D 72019	15.17			1		S	
1998-01-07			D 62610		3192.78	NGVD29	1		S	
1998-01-07			D 62611		3194.45	NAVD88	1		S	
1998-01-07			D 72019	24.55			1		S	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for New Mexico: Water Levels

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



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

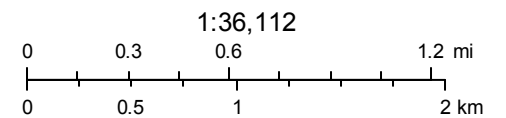
Page Last Modified: 2021-10-05 12:41:26 EDT

0.29 0.25 nadww02

New Mexico NFHL Data



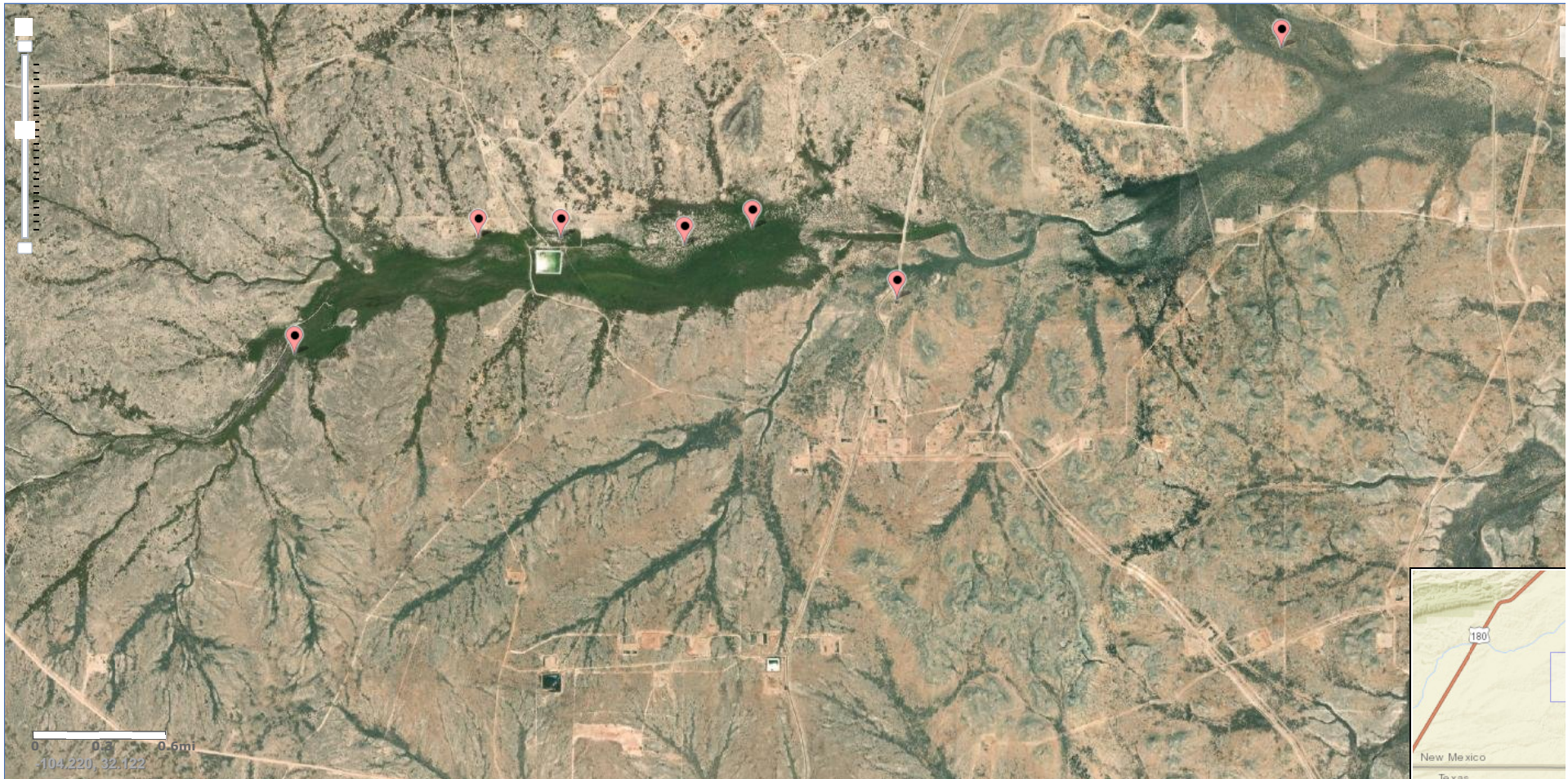
October 5, 2021



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



National Water Information System: Mapper



Site Information



Appendix C



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-6934-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Craig State #003H (07.16.21)

For:

NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

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

Authorized for release by:
10/11/2021 7:12:50 PM

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

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

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

Client: NT Global
Project/Site: Craig State #003H (07.16.21)

Laboratory Job ID: 880-6934-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: NT Global

Job ID: 880-6934-1

Project/Site: Craig State #003H (07.16.21)

SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Eurofins Xenco, Midland

Case Narrative

Client: NT Global
Project/Site: Craig State #003H (07.16.21)

Job ID: 880-6934-1
SDG: Eddy Co, NM

Job ID: 880-6934-1**Laboratory: Eurofins Xenco, Midland****Narrative****Job Narrative
880-6934-1****Receipt**

The samples were received on 10/6/2021 5:10 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 5.1°C

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-9049 and analytical batch 880-9027 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: (MB 880-9049/1-A), (880-6937-A-1-A), (880-6937-A-1-B MS) and (880-6937-A-1-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-1 (0-1') (880-6934-1). 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: Craig State #003H (07.16.21)

Job ID: 880-6934-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-6934-1

Date Collected: 10/06/21 00:00

Matrix: Solid

Date Received: 10/06/21 17:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00427		0.00199		mg/Kg		10/08/21 09:24	10/08/21 17:08	1
Toluene	0.0110		0.00199		mg/Kg		10/08/21 09:24	10/08/21 17:08	1
Ethylbenzene	0.00386		0.00199		mg/Kg		10/08/21 09:24	10/08/21 17:08	1
m-Xylene & p-Xylene	0.0179		0.00398		mg/Kg		10/08/21 09:24	10/08/21 17:08	1
o-Xylene	0.00374		0.00199		mg/Kg		10/08/21 09:24	10/08/21 17:08	1
Xylenes, Total	0.0216		0.00398		mg/Kg		10/08/21 09:24	10/08/21 17:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	10/08/21 09:24	10/08/21 17:08	1
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130	10/08/21 09:24	10/08/21 17:08	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0408		0.00398		mg/Kg			10/11/21 10:24	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			10/11/21 10:15	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		10/08/21 13:24	10/09/21 12:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/08/21 13:24	10/09/21 12:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/08/21 13:24	10/09/21 12:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				10/08/21 13:24	10/09/21 12:11	1
o-Terphenyl	132	S1+	70 - 130				10/08/21 13:24	10/09/21 12:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2520		24.8		mg/Kg			10/07/21 19:14	5

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

Lab Sample ID: 880-6934-2

Date Collected: 10/06/21 00:00

Matrix: Solid

Date Received: 10/06/21 17:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 08:05	10/11/21 11:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 08:05	10/11/21 11:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 08:05	10/11/21 11:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/21 08:05	10/11/21 11:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 08:05	10/11/21 11:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/21 08:05	10/11/21 11:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	10/11/21 08:05	10/11/21 11:29	1
1,4-Difluorobenzene (Surr)	80		70 - 130	10/11/21 08:05	10/11/21 11:29	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Craig State #003H (07.16.21)

Job ID: 880-6934-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-6934-2

Date Collected: 10/06/21 00:00

Matrix: Solid

Date Received: 10/06/21 17:10

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/11/21 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/08/21 13:24	10/09/21 13:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/08/21 13:24	10/09/21 13:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/08/21 13:24	10/09/21 13:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				10/08/21 13:24	10/09/21 13:14	1
o-Terphenyl	119		70 - 130				10/08/21 13:24	10/09/21 13:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.4		4.99		mg/Kg			10/07/21 19:20	1

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

Lab Sample ID: 880-6934-3

Date Collected: 10/06/21 00:00

Matrix: Solid

Date Received: 10/06/21 17:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/21 08:05	10/11/21 11:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/21 08:05	10/11/21 11:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/21 08:05	10/11/21 11:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/21 08:05	10/11/21 11:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/21 08:05	10/11/21 11:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/21 08:05	10/11/21 11:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				10/11/21 08:05	10/11/21 11:50	1
1,4-Difluorobenzene (Surr)	78		70 - 130				10/11/21 08:05	10/11/21 11:50	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/11/21 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/21 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/07/21 09:44	10/08/21 04:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/07/21 09:44	10/08/21 04:08	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Craig State #003H (07.16.21)

Job ID: 880-6934-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-6934-3

Date Collected: 10/06/21 00:00

Matrix: Solid

Date Received: 10/06/21 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/07/21 09:44	10/08/21 04:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				10/07/21 09:44	10/08/21 04:08	1
o-Terphenyl	126		70 - 130				10/07/21 09:44	10/08/21 04:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.3		4.98		mg/Kg			10/07/21 19:26	1

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

Lab Sample ID: 880-6934-4

Date Collected: 10/06/21 00:00

Matrix: Solid

Date Received: 10/06/21 17:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/11/21 08:05	10/11/21 12:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/21 08:05	10/11/21 12:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/21 08:05	10/11/21 12:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/21 08:05	10/11/21 12:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/21 08:05	10/11/21 12:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/21 08:05	10/11/21 12:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				10/11/21 08:05	10/11/21 12:10	1
1,4-Difluorobenzene (Surr)	75		70 - 130				10/11/21 08:05	10/11/21 12:10	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			10/11/21 10:24	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			10/11/21 10:15	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		10/07/21 09:44	10/08/21 04:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/07/21 09:44	10/08/21 04:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/07/21 09:44	10/08/21 04:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				10/07/21 09:44	10/08/21 04:30	1
o-Terphenyl	131	S1+	70 - 130				10/07/21 09:44	10/08/21 04:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.4	F1	4.95		mg/Kg			10/07/21 19:31	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Craig State #003H (07.16.21)

Job ID: 880-6934-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-6934-5

Date Collected: 10/06/21 00:00

Matrix: Solid

Date Received: 10/06/21 17:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/11/21 08:05	10/11/21 12:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/21 08:05	10/11/21 12:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/21 08:05	10/11/21 12:30	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/11/21 08:05	10/11/21 12:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/21 08:05	10/11/21 12:30	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/11/21 08:05	10/11/21 12:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	10/11/21 08:05	10/11/21 12:30	1
1,4-Difluorobenzene (Surr)	81		70 - 130	10/11/21 08:05	10/11/21 12:30	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/11/21 10:24	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			10/11/21 10:15	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		10/07/21 09:44	10/08/21 04:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/07/21 09:44	10/08/21 04:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/07/21 09:44	10/08/21 04:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	10/07/21 09:44	10/08/21 04:52	1
o-Terphenyl	148	S1+	70 - 130	10/07/21 09:44	10/08/21 04:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.8		5.02		mg/Kg			10/07/21 20:05	1

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global
Project/Site: Craig State #003H (07.16.21)

Job ID: 880-6934-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-6924-A-19-D MS	Matrix Spike	101	100
880-6924-A-19-E MSD	Matrix Spike Duplicate	98	95
880-6934-1	S-1 (0-1')	88	63 S1-
880-6934-2	H-1 (0-0.5')	126	80
880-6934-2 MS	H-1 (0-0.5')	114	87
880-6934-2 MSD	H-1 (0-0.5')	114	83
880-6934-3	H-2 (0-0.5')	128	78
880-6934-4	H-3 (0-0.5')	128	75
880-6934-5	H-4 (0-0.5')	126	81
LCS 880-9096/1-A	Lab Control Sample	101	102
LCS 880-9182/1-A	Lab Control Sample	117	87
LCSD 880-9096/2-A	Lab Control Sample Dup	98	98
LCSD 880-9182/2-A	Lab Control Sample Dup	112	85
MB 880-8831/5-A	Method Blank	110	84
MB 880-9096/5-A	Method Blank	106	99
MB 880-9182/5-A	Method Blank	112	78
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-6934-1	S-1 (0-1')	122	132 S1+
880-6934-1 MS	S-1 (0-1')	103	101
880-6934-1 MSD	S-1 (0-1')	107	103
880-6934-2	H-1 (0-0.5')	108	119
880-6934-3	H-2 (0-0.5')	100	126
880-6934-4	H-3 (0-0.5')	111	131 S1+
880-6934-5	H-4 (0-0.5')	123	148 S1+
880-6937-A-1-B MS	Matrix Spike	128	139 S1+
880-6937-A-1-C MSD	Matrix Spike Duplicate	126	136 S1+
LCS 880-9049/2-A	Lab Control Sample	109	126
LCS 880-9117/2-A	Lab Control Sample	89	85
LCSD 880-9049/3-A	Lab Control Sample Dup	102	115
LCSD 880-9117/3-A	Lab Control Sample Dup	102	101
MB 880-9049/1-A	Method Blank	125	162 S1+
MB 880-9117/1-A	Method Blank	105	114
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Craig State #003H (07.16.21)

Job ID: 880-6934-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-8831/5-A

Matrix: Solid

Analysis Batch: 9112

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8831

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/04/21 13:46	10/11/21 00:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/04/21 13:46	10/11/21 00:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/04/21 13:46	10/11/21 00:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/04/21 13:46	10/11/21 00:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/04/21 13:46	10/11/21 00:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/04/21 13:46	10/11/21 00:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	10/04/21 13:46	10/11/21 00:15	1
1,4-Difluorobenzene (Surr)	84		70 - 130	10/04/21 13:46	10/11/21 00:15	1

Lab Sample ID: MB 880-9096/5-A

Matrix: Solid

Analysis Batch: 9094

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/21 09:24	10/08/21 13:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/21 09:24	10/08/21 13:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/21 09:24	10/08/21 13:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/08/21 09:24	10/08/21 13:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/21 09:24	10/08/21 13:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/08/21 09:24	10/08/21 13:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	10/08/21 09:24	10/08/21 13:07	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/08/21 09:24	10/08/21 13:07	1

Lab Sample ID: LCS 880-9096/1-A

Matrix: Solid

Analysis Batch: 9094

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9096

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08597		mg/Kg		86	70 - 130
Toluene	0.100	0.08746		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.08695		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1812		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09245		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-9096/2-A

Matrix: Solid

Analysis Batch: 9094

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 9096

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.08432		mg/Kg		84	70 - 130	2	35

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Craig State #003H (07.16.21)

Job ID: 880-6934-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-9096/2-A

Matrix: Solid

Analysis Batch: 9094

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 9096

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	0.100	0.08336		mg/Kg		83	70 - 130	5	35
Ethylbenzene	0.100	0.08327		mg/Kg		83	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1733		mg/Kg		87	70 - 130	4	35
o-Xylene	0.100	0.08942		mg/Kg		89	70 - 130	3	35

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

Lab Sample ID: 880-6924-A-19-D MS

Matrix: Solid

Analysis Batch: 9094

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 9096

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U	0.0998	0.08141		mg/Kg		81	70 - 130
Toluene	<0.00198	U	0.0998	0.07993		mg/Kg		80	70 - 130
Ethylbenzene	<0.00198	U	0.0998	0.07640		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	<0.00397	U	0.200	0.1586		mg/Kg		79	70 - 130
o-Xylene	<0.00198	U	0.0998	0.08088		mg/Kg		81	70 - 130

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

Lab Sample ID: 880-6924-A-19-E MSD

Matrix: Solid

Analysis Batch: 9094

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 9096

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.0994	0.08011		mg/Kg		80	70 - 130	2	35
Toluene	<0.00198	U	0.0994	0.07828		mg/Kg		79	70 - 130	2	35
Ethylbenzene	<0.00198	U	0.0994	0.07729		mg/Kg		78	70 - 130	1	35
m-Xylene & p-Xylene	<0.00397	U	0.199	0.1566		mg/Kg		79	70 - 130	1	35
o-Xylene	<0.00198	U	0.0994	0.07970		mg/Kg		80	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-9182/5-A

Matrix: Solid

Analysis Batch: 9112

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9182

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 08:05	10/11/21 11:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 08:05	10/11/21 11:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 08:05	10/11/21 11:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/21 08:05	10/11/21 11:08	1

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Craig State #003H (07.16.21)

Job ID: 880-6934-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-9182/5-A

Matrix: Solid

Analysis Batch: 9112

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9182

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 08:05	10/11/21 11:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/21 08:05	10/11/21 11:08	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				10/11/21 08:05	10/11/21 11:08	1
1,4-Difluorobenzene (Surr)	78		70 - 130				10/11/21 08:05	10/11/21 11:08	1

Lab Sample ID: LCS 880-9182/1-A

Matrix: Solid

Analysis Batch: 9112

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9182

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09072		mg/Kg		91	70 - 130
Toluene	0.100	0.09034		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09282		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1976		mg/Kg		99	70 - 130
o-Xylene	0.100	0.09927		mg/Kg		99	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	117		70 - 130				
1,4-Difluorobenzene (Surr)	87		70 - 130				

Lab Sample ID: LCSD 880-9182/2-A

Matrix: Solid

Analysis Batch: 9112

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 9182

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08352		mg/Kg		84	70 - 130	8	35
Toluene	0.100	0.08453		mg/Kg		85	70 - 130	7	35
Ethylbenzene	0.100	0.08717		mg/Kg		87	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1845		mg/Kg		92	70 - 130	7	35
o-Xylene	0.100	0.09318		mg/Kg		93	70 - 130	6	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	112		70 - 130						
1,4-Difluorobenzene (Surr)	85		70 - 130						

Lab Sample ID: 880-6934-2 MS

Matrix: Solid

Analysis Batch: 9112

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

Prep Type: Total/NA

Prep Batch: 9182

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.100	0.09225		mg/Kg		92	70 - 130
Toluene	<0.00200	U	0.100	0.09375		mg/Kg		94	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09649		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2049		mg/Kg		102	70 - 130
o-Xylene	<0.00200	U	0.100	0.1035		mg/Kg		103	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Craig State #003H (07.16.21)

Job ID: 880-6934-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-6934-2 MS

Matrix: Solid

Analysis Batch: 9112

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

Prep Type: Total/NA

Prep Batch: 9182

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 880-6934-2 MSD

Matrix: Solid

Analysis Batch: 9112

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

Prep Type: Total/NA

Prep Batch: 9182

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.09120		mg/Kg		92	70 - 130	1	35
Toluene	<0.00200	U	0.0990	0.09376		mg/Kg		95	70 - 130	0	35
Ethylbenzene	<0.00200	U	0.0990	0.09765		mg/Kg		99	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.198	0.2068		mg/Kg		104	70 - 130	1	35
o-Xylene	<0.00200	U	0.0990	0.1052		mg/Kg		106	70 - 130	2	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

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

Lab Sample ID: MB 880-9049/1-A

Matrix: Solid

Analysis Batch: 9027

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9049

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		10/07/21 09:44	10/07/21 19:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/07/21 09:44	10/07/21 19:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/07/21 09:44	10/07/21 19:43	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	125		70 - 130	10/07/21 09:44	10/07/21 19:43	1			
o-Terphenyl	162	S1+	70 - 130	10/07/21 09:44	10/07/21 19:43	1			

Lab Sample ID: LCS 880-9049/2-A

Matrix: Solid

Analysis Batch: 9027

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9049

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	931.1		mg/Kg		93	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1197		mg/Kg		120	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	126		70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Craig State #003H (07.16.21)

Job ID: 880-6934-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-9049/3-A

Matrix: Solid

Analysis Batch: 9027

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 9049

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	850.3		mg/Kg		85	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	1106		mg/Kg		111	70 - 130	8	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	102		70 - 130						
o-Terphenyl	115		70 - 130						

Lab Sample ID: 880-6937-A-1-B MS

Matrix: Solid

Analysis Batch: 9027

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 9049

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1190		mg/Kg		117	70 - 130		
Diesel Range Organics (Over C10-C28)	53.8	F1	997	1382	F1	mg/Kg		133	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	128		70 - 130								
o-Terphenyl	139	S1+	70 - 130								

Lab Sample ID: 880-6937-A-1-C MSD

Matrix: Solid

Analysis Batch: 9027

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 9049

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1041		mg/Kg		102	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	53.8	F1	1000	1360	F1	mg/Kg		131	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	126		70 - 130								
o-Terphenyl	136	S1+	70 - 130								

Lab Sample ID: MB 880-9117/1-A

Matrix: Solid

Analysis Batch: 9145

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9117

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		10/08/21 13:24	10/09/21 11:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/08/21 13:24	10/09/21 11:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/08/21 13:24	10/09/21 11:08	1

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QC Sample Results

Client: NT Global
Project/Site: Craig State #003H (07.16.21)

Job ID: 880-6934-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-9117/1-A

Matrix: Solid

Analysis Batch: 9145

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9117

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	10/08/21 13:24	10/09/21 11:08	1
o-Terphenyl	114		70 - 130	10/08/21 13:24	10/09/21 11:08	1

Lab Sample ID: LCS 880-9117/2-A

Matrix: Solid

Analysis Batch: 9145

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9117

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1069		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1108		mg/Kg		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: LCSD 880-9117/3-A

Matrix: Solid

Analysis Batch: 9145

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 9117

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1065		mg/Kg		107	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1085		mg/Kg		108	70 - 130	2	20

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

Lab Sample ID: 880-6934-1 MS

Matrix: Solid

Analysis Batch: 9145

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

Prep Type: Total/NA

Prep Batch: 9117

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1060		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	976.2		mg/Kg		96	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	101		70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Craig State #003H (07.16.21)

Job ID: 880-6934-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-6934-1 MSD

Matrix: Solid

Analysis Batch: 9145

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

Prep Type: Total/NA

Prep Batch: 9117

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1157		mg/Kg		112	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1020		mg/Kg		100	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	107		70 - 130								
o-Terphenyl	103		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-9014/1-A

Matrix: Solid

Analysis Batch: 9067

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			10/07/21 17:56	1

Lab Sample ID: LCS 880-9014/2-A

Matrix: Solid

Analysis Batch: 9067

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	248.3		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-9014/3-A

Matrix: Solid

Analysis Batch: 9067

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	249.4		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-6934-4 MS

Matrix: Solid

Analysis Batch: 9067

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	88.4	F1	248	612.9	F1	mg/Kg		212	90 - 110

Lab Sample ID: 880-6934-4 MSD

Matrix: Solid

Analysis Batch: 9067

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	88.4	F1	248	612.2	F1	mg/Kg		212	90 - 110	0	20

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QC Association Summary

Client: NT Global
Project/Site: Craig State #003H (07.16.21)

Job ID: 880-6934-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 8831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-8831/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 9094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6934-1	S-1 (0-1')	Total/NA	Solid	8021B	9096
MB 880-9096/5-A	Method Blank	Total/NA	Solid	8021B	9096
LCS 880-9096/1-A	Lab Control Sample	Total/NA	Solid	8021B	9096
LCSD 880-9096/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	9096
880-6924-A-19-D MS	Matrix Spike	Total/NA	Solid	8021B	9096
880-6924-A-19-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	9096

Prep Batch: 9096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6934-1	S-1 (0-1')	Total/NA	Solid	5035	
MB 880-9096/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-9096/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-9096/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-6924-A-19-D MS	Matrix Spike	Total/NA	Solid	5035	
880-6924-A-19-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 9112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6934-2	H-1 (0-0.5')	Total/NA	Solid	8021B	9182
880-6934-3	H-2 (0-0.5')	Total/NA	Solid	8021B	9182
880-6934-4	H-3 (0-0.5')	Total/NA	Solid	8021B	9182
880-6934-5	H-4 (0-0.5')	Total/NA	Solid	8021B	9182
MB 880-8831/5-A	Method Blank	Total/NA	Solid	8021B	8831
MB 880-9182/5-A	Method Blank	Total/NA	Solid	8021B	9182
LCS 880-9182/1-A	Lab Control Sample	Total/NA	Solid	8021B	9182
LCSD 880-9182/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	9182
880-6934-2 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	9182
880-6934-2 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	9182

Analysis Batch: 9139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6934-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-6934-2	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-6934-3	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-6934-4	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-6934-5	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

Prep Batch: 9182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6934-2	H-1 (0-0.5')	Total/NA	Solid	5035	
880-6934-3	H-2 (0-0.5')	Total/NA	Solid	5035	
880-6934-4	H-3 (0-0.5')	Total/NA	Solid	5035	
880-6934-5	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-9182/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-9182/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-9182/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-6934-2 MS	H-1 (0-0.5')	Total/NA	Solid	5035	

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QC Association Summary

Client: NT Global
Project/Site: Craig State #003H (07.16.21)

Job ID: 880-6934-1
SDG: Eddy Co, NM

GC VOA (Continued)

Prep Batch: 9182 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6934-2 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 9027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6934-3	H-2 (0-0.5')	Total/NA	Solid	8015B NM	9049
880-6934-4	H-3 (0-0.5')	Total/NA	Solid	8015B NM	9049
880-6934-5	H-4 (0-0.5')	Total/NA	Solid	8015B NM	9049
MB 880-9049/1-A	Method Blank	Total/NA	Solid	8015B NM	9049
LCS 880-9049/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	9049
LCSD 880-9049/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	9049
880-6937-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	9049
880-6937-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	9049

Prep Batch: 9049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6934-3	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-6934-4	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-6934-5	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-9049/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-9049/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-9049/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-6937-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-6937-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 9117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6934-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-6934-2	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-9117/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-9117/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-9117/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-6934-1 MS	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-6934-1 MSD	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 9145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6934-1	S-1 (0-1')	Total/NA	Solid	8015B NM	9117
880-6934-2	H-1 (0-0.5')	Total/NA	Solid	8015B NM	9117
MB 880-9117/1-A	Method Blank	Total/NA	Solid	8015B NM	9117
LCS 880-9117/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	9117
LCSD 880-9117/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	9117
880-6934-1 MS	S-1 (0-1')	Total/NA	Solid	8015B NM	9117
880-6934-1 MSD	S-1 (0-1')	Total/NA	Solid	8015B NM	9117

Analysis Batch: 9189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6934-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-6934-2	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-6934-3	H-2 (0-0.5')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: NT Global
Project/Site: Craig State #003H (07.16.21)

Job ID: 880-6934-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 9189 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6934-4	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-6934-5	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 9014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6934-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-6934-2	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-6934-3	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-6934-4	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-6934-5	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-9014/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9014/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9014/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-6934-4 MS	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-6934-4 MSD	H-3 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 9067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6934-1	S-1 (0-1')	Soluble	Solid	300.0	9014
880-6934-2	H-1 (0-0.5')	Soluble	Solid	300.0	9014
880-6934-3	H-2 (0-0.5')	Soluble	Solid	300.0	9014
880-6934-4	H-3 (0-0.5')	Soluble	Solid	300.0	9014
880-6934-5	H-4 (0-0.5')	Soluble	Solid	300.0	9014
MB 880-9014/1-A	Method Blank	Soluble	Solid	300.0	9014
LCS 880-9014/2-A	Lab Control Sample	Soluble	Solid	300.0	9014
LCSD 880-9014/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9014
880-6934-4 MS	H-3 (0-0.5')	Soluble	Solid	300.0	9014
880-6934-4 MSD	H-3 (0-0.5')	Soluble	Solid	300.0	9014

Lab Chronicle

Client: NT Global
Project/Site: Craig State #003H (07.16.21)

Job ID: 880-6934-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-6934-1

Date Collected: 10/06/21 00:00

Matrix: Solid

Date Received: 10/06/21 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9096	10/08/21 09:24	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9094	10/08/21 17:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			9139	10/11/21 10:24	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9117	10/08/21 13:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9145	10/09/21 12:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9014	10/06/21 18:33	CA	XEN MID
Soluble	Analysis	300.0		5			9067	10/07/21 19:14	CH	XEN MID

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

Lab Sample ID: 880-6934-2

Date Collected: 10/06/21 00:00

Matrix: Solid

Date Received: 10/06/21 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	9182	10/11/21 08:05	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9112	10/11/21 11:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9139	10/11/21 10:24	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9117	10/08/21 13:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9145	10/09/21 13:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9014	10/06/21 18:33	CA	XEN MID
Soluble	Analysis	300.0		1			9067	10/07/21 19:20	CH	XEN MID

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

Lab Sample ID: 880-6934-3

Date Collected: 10/06/21 00:00

Matrix: Solid

Date Received: 10/06/21 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	9182	10/11/21 08:05	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9112	10/11/21 11:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9139	10/11/21 10:24	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9049	10/07/21 09:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9027	10/08/21 04:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9014	10/06/21 18:33	CA	XEN MID
Soluble	Analysis	300.0		1			9067	10/07/21 19:26	CH	XEN MID

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

Lab Sample ID: 880-6934-4

Date Collected: 10/06/21 00:00

Matrix: Solid

Date Received: 10/06/21 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	9182	10/11/21 08:05	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9112	10/11/21 12:10	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9139	10/11/21 10:24	KL	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Craig State #003H (07.16.21)

Job ID: 880-6934-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-6934-4

Date Collected: 10/06/21 00:00

Matrix: Solid

Date Received: 10/06/21 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	9049	10/07/21 09:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9027	10/08/21 04:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9014	10/06/21 18:33	CA	XEN MID
Soluble	Analysis	300.0		1			9067	10/07/21 19:31	CH	XEN MID

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

Lab Sample ID: 880-6934-5

Date Collected: 10/06/21 00:00

Matrix: Solid

Date Received: 10/06/21 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	9182	10/11/21 08:05	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9112	10/11/21 12:30	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9139	10/11/21 10:24	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9189	10/11/21 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	9049	10/07/21 09:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9027	10/08/21 04:52	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	9014	10/06/21 18:33	CA	XEN MID
Soluble	Analysis	300.0		1			9067	10/07/21 20:05	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: Craig State #003H (07.16.21)

Job ID: 880-6934-1
SDG: Eddy Co, NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

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

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

Method Summary

Client: NT Global

Job ID: 880-6934-1

Project/Site: Craig State #003H (07.16.21)

SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Xenco, Midland

Sample Summary

Client: NT Global
Project/Site: Craig State #003H (07.16.21)

Job ID: 880-6934-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-6934-1	S-1 (0-1')	Solid	10/06/21 00:00	10/06/21 17:10
880-6934-2	H-1 (0-0.5')	Solid	10/06/21 00:00	10/06/21 17:10
880-6934-3	H-2 (0-0.5')	Solid	10/06/21 00:00	10/06/21 17:10
880-6934-4	H-3 (0-0.5')	Solid	10/06/21 00:00	10/06/21 17:10
880-6934-5	H-4 (0-0.5')	Solid	10/06/21 00:00	10/06/21 17:10

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Chain of Custody



880-6934 Chain of Custody

No: 6934

Page 1 of 1

Project Manager	Mike Cairmona	Bill to: (if different)	Jacqu Harris
Company Name	NTG Environmental	Company Name	COG
Address:	701 Tradewinds Blvd	Address:	15 W Loving Rd
City, State ZIP	Midland, TX 79706	City, State ZIP	Loving NM 88256
Phone:	575-312-7736	Email	jacqui.harris@conocophillips.com

Project Name	Craig State #003H (07 16 21)	Turn Around	Pres. Code
Project Number	214741	☐ Routine ☒ Rush	
Project Location	Eddy Co, NM	Due Date	48 Hrs
Sample'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			
Cooler Custody Seals	Yes No	(N/A)	Correction Factor	1.28
Sample Custody Seals	Yes No	N/A	Temperature Reading	4.6
Total Containers:	5	Corrected Temperature:		5.1

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont
S-1 (0-1')	10/6/2021		X		G	1
H-1 (0-0.5')	10/6/2021		X		G	1
H-2 (0-0.5')	10/6/2021		X		G	1
H-3 (0-0.5')	10/6/2021		X		G	1
H-4 (0-0.5')	10/6/2021		X		G	1

ANALYSIS REQUEST	Preservative Codes
BTEX 8021B	None NO
TPH 8015M (GRO + DRO + MRO)	DI Water H ₂ O
Chloride 300 0	Cool Cool
	HCL HC
	H ₂ SO ₄ H ₂
	H ₃ PO ₄ HP
	NaHSO ₄ NABIS
	Na ₂ S ₂ O ₃ NaSO ₃
	Zn Acetate+NaOH Zn
	NaOH+Ascorbic Acid SAPC

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

Additoinal Comments:

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

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 New Len	2	10/6/21 710			
3					
5					

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-6934-1

SDG Number: Eddy Co, NM

Login Number: 6934

List Number: 1

Creator: Phillips, Kerianna

List Source: Eurofins Xenco, Midland

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-7231-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Craig State #003H (7.16.21)

For:

NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

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

Authorized for release by:
10/19/2021 10:12:32 AM

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

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

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

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Laboratory Job ID: 880-7231-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
SQL	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: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

Job ID: 880-7231-1

Laboratory: Eurofins Xenco, Midland**Narrative**

**Job Narrative
880-7231-1****Receipt**

The samples were received on 10/14/2021 10:28 AM and 10/14/2021 10:31 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.8°C

Receipt Exceptions

The following sample was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): SW-5 (880-7231-7)

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Client Sample Results

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-7231-1

Date Collected: 10/13/21 00:00

Matrix: Solid

Date Received: 10/14/21 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/21 10:35	10/15/21 14:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 10:35	10/15/21 14:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 10:35	10/15/21 14:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/14/21 10:35	10/15/21 14:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 10:35	10/15/21 14:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/14/21 10:35	10/15/21 14:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	10/14/21 10:35	10/15/21 14:28	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/14/21 10:35	10/15/21 14:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	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		10/18/21 17:14	10/19/21 02:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/18/21 17:14	10/19/21 02:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/18/21 17:14	10/19/21 02:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	10/18/21 17:14	10/19/21 02:35	1
o-Terphenyl	105		70 - 130	10/18/21 17:14	10/19/21 02:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	138		4.95		mg/Kg			10/14/21 16:44	1

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

Lab Sample ID: 880-7231-2

Date Collected: 10/13/21 00:00

Matrix: Solid

Date Received: 10/14/21 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/14/21 10:35	10/15/21 14:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/14/21 10:35	10/15/21 14:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/14/21 10:35	10/15/21 14:48	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/14/21 10:35	10/15/21 14:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/14/21 10:35	10/15/21 14:48	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/14/21 10:35	10/15/21 14:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	10/14/21 10:35	10/15/21 14:48	1
1,4-Difluorobenzene (Surr)	90		70 - 130	10/14/21 10:35	10/15/21 14:48	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-7231-2

Date Collected: 10/13/21 00:00

Matrix: Solid

Date Received: 10/14/21 10:31

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			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/21 14:08	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		10/18/21 17:14	10/19/21 02:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/18/21 17:14	10/19/21 02:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/21 17:14	10/19/21 02:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				10/18/21 17:14	10/19/21 02:55	1
o-Terphenyl	106		70 - 130				10/18/21 17:14	10/19/21 02:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	174		5.00		mg/Kg			10/14/21 16:51	1

Client Sample ID: SW-1

Lab Sample ID: 880-7231-3

Date Collected: 10/13/21 00:00

Matrix: Solid

Date Received: 10/14/21 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/14/21 10:35	10/15/21 15:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/21 10:35	10/15/21 15:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/21 10:35	10/15/21 15:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/21 10:35	10/15/21 15:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/21 10:35	10/15/21 15:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/21 10:35	10/15/21 15:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				10/14/21 10:35	10/15/21 15:09	1
1,4-Difluorobenzene (Surr)	97		70 - 130				10/14/21 10:35	10/15/21 15:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/21 14:08	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		10/18/21 17:14	10/19/21 03:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/18/21 17:14	10/19/21 03:15	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

Client Sample ID: SW-1

Lab Sample ID: 880-7231-3

Date Collected: 10/13/21 00:00

Matrix: Solid

Date Received: 10/14/21 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/21 17:14	10/19/21 03:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				10/18/21 17:14	10/19/21 03:15	1
o-Terphenyl	107		70 - 130				10/18/21 17:14	10/19/21 03:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.01		5.00		mg/Kg			10/14/21 16:57	1

Client Sample ID: SW-2

Lab Sample ID: 880-7231-4

Date Collected: 10/13/21 00:00

Matrix: Solid

Date Received: 10/14/21 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/14/21 10:35	10/15/21 15:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/21 10:35	10/15/21 15:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/21 10:35	10/15/21 15:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/21 10:35	10/15/21 15:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/21 10:35	10/15/21 15:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/21 10:35	10/15/21 15:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				10/14/21 10:35	10/15/21 15:29	1
1,4-Difluorobenzene (Surr)	91		70 - 130				10/14/21 10:35	10/15/21 15:29	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			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/21 14:08	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		10/18/21 17:14	10/19/21 03:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/18/21 17:14	10/19/21 03:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/21 17:14	10/19/21 03:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				10/18/21 17:14	10/19/21 03:56	1
o-Terphenyl	108		70 - 130				10/18/21 17:14	10/19/21 03:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			10/14/21 17:03	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

Client Sample ID: SW-3

Lab Sample ID: 880-7231-5

Date Collected: 10/13/21 00:00

Matrix: Solid

Date Received: 10/14/21 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/14/21 10:35	10/15/21 15:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/21 10:35	10/15/21 15:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/21 10:35	10/15/21 15:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/21 10:35	10/15/21 15:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/21 10:35	10/15/21 15:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/21 10:35	10/15/21 15:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	10/14/21 10:35	10/15/21 15:50	1
1,4-Difluorobenzene (Surr)	93		70 - 130	10/14/21 10:35	10/15/21 15:50	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/21 14:08	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		10/18/21 17:14	10/19/21 04:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/18/21 17:14	10/19/21 04:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/18/21 17:14	10/19/21 04:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	10/18/21 17:14	10/19/21 04:16	1
o-Terphenyl	113		70 - 130	10/18/21 17:14	10/19/21 04:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			10/14/21 17:09	1

Client Sample ID: SW-4

Lab Sample ID: 880-7231-6

Date Collected: 10/13/21 00:00

Matrix: Solid

Date Received: 10/14/21 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/14/21 10:35	10/15/21 16:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/21 10:35	10/15/21 16:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/21 10:35	10/15/21 16:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/21 10:35	10/15/21 16:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/21 10:35	10/15/21 16:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/21 10:35	10/15/21 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	10/14/21 10:35	10/15/21 16:10	1
1,4-Difluorobenzene (Surr)	93		70 - 130	10/14/21 10:35	10/15/21 16:10	1

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Client Sample Results

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

Client Sample ID: SW-4

Lab Sample ID: 880-7231-6

Date Collected: 10/13/21 00:00

Matrix: Solid

Date Received: 10/14/21 10:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/18/21 14:08	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	<50.1	U	50.1		mg/Kg		10/18/21 17:14	10/19/21 04:36	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		10/18/21 17:14	10/19/21 04:36	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/18/21 17:14	10/19/21 04:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				10/18/21 17:14	10/19/21 04:36	1
o-Terphenyl	103		70 - 130				10/18/21 17:14	10/19/21 04:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			10/14/21 17:16	1

Client Sample ID: SW-5

Lab Sample ID: 880-7231-7

Date Collected: 10/13/21 00:00

Matrix: Solid

Date Received: 10/14/21 10:28

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		10/14/21 10:35	10/15/21 16:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/14/21 10:35	10/15/21 16:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/14/21 10:35	10/15/21 16:31	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/14/21 10:35	10/15/21 16:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/14/21 10:35	10/15/21 16:31	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/14/21 10:35	10/15/21 16:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				10/14/21 10:35	10/15/21 16:31	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/14/21 10:35	10/15/21 16:31	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			10/18/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/21 14:08	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		10/18/21 17:14	10/19/21 04:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/18/21 17:14	10/19/21 04:57	1

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Client Sample Results

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

Client Sample ID: SW-5

Lab Sample ID: 880-7231-7

Date Collected: 10/13/21 00:00

Matrix: Solid

Date Received: 10/14/21 10:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/21 17:14	10/19/21 04:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	10/18/21 17:14	10/19/21 04:57	1
o-Terphenyl	106		70 - 130	10/18/21 17:14	10/19/21 04:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.3		5.05		mg/Kg			10/15/21 03:51	1

Surrogate Summary

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-7231-1	CS-1 (1'-1.5')	106	100
880-7231-1 MS	CS-1 (1'-1.5')	112	102
880-7231-1 MSD	CS-1 (1'-1.5')	110	102
880-7231-2	CS-2 (1'-1.5')	121	90
880-7231-3	SW-1	114	97
880-7231-4	SW-2	124	91
880-7231-5	SW-3	121	93
880-7231-6	SW-4	121	93
880-7231-7	SW-5	126	99
LCS 880-9108/1-A	Lab Control Sample	146 S1+	129
LCSD 880-9108/2-A	Lab Control Sample Dup	114	102
MB 880-9108/5-A	Method Blank	95	96
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-7231-1	CS-1 (1'-1.5')	95	105
880-7231-2	CS-2 (1'-1.5')	96	106
880-7231-3	SW-1	96	107
880-7231-4	SW-2	100	108
880-7231-5	SW-3	103	113
880-7231-6	SW-4	94	103
880-7231-7	SW-5	97	106
890-1439-A-21-F MS	Matrix Spike	104	103
890-1439-A-21-G MSD	Matrix Spike Duplicate	104	102
LCS 880-9818/2-A	Lab Control Sample	87	89
LCSD 880-9818/3-A	Lab Control Sample Dup	96	97
MB 880-9818/1-A	Method Blank	106	124
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-9108/5-A

Matrix: Solid

Analysis Batch: 9521

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9108

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/21 10:35	10/15/21 14:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/21 10:35	10/15/21 14:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/21 10:35	10/15/21 14:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/14/21 10:35	10/15/21 14:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/21 10:35	10/15/21 14:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/14/21 10:35	10/15/21 14:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	10/14/21 10:35	10/15/21 14:06	1
1,4-Difluorobenzene (Surr)	96		70 - 130	10/14/21 10:35	10/15/21 14:06	1

Lab Sample ID: LCS 880-9108/1-A

Matrix: Solid

Analysis Batch: 9521

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9108

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1197		mg/Kg		120	70 - 130
Toluene	0.100	0.1105		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1132		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2410		mg/Kg		121	70 - 130
o-Xylene	0.100	0.1185		mg/Kg		119	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130
1,4-Difluorobenzene (Surr)	129		70 - 130

Lab Sample ID: LCSD 880-9108/2-A

Matrix: Solid

Analysis Batch: 9521

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 9108

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09813		mg/Kg		98	70 - 130	20	35
Toluene	0.100	0.09437		mg/Kg		94	70 - 130	16	35
Ethylbenzene	0.100	0.09672		mg/Kg		97	70 - 130	16	35
m-Xylene & p-Xylene	0.200	0.2018		mg/Kg		101	70 - 130	18	35
o-Xylene	0.100	0.1008		mg/Kg		101	70 - 130	16	35

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

Lab Sample ID: 880-7231-1 MS

Matrix: Solid

Analysis Batch: 9521

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

Prep Type: Total/NA

Prep Batch: 9108

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.101	0.08113		mg/Kg		81	70 - 130
Toluene	<0.00200	U	0.101	0.07770		mg/Kg		77	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-7231-1 MS

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

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 9521

Prep Batch: 9108

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U	0.101	0.07827		mg/Kg		78	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.201	0.1629		mg/Kg		81	70 - 130
o-Xylene	<0.00200	U	0.101	0.08169		mg/Kg		81	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-7231-1 MSD

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

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 9521

Prep Batch: 9108

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.08154		mg/Kg		82	70 - 130	0	35
Toluene	<0.00200	U	0.0996	0.07477		mg/Kg		75	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.0996	0.07819		mg/Kg		79	70 - 130	0	35
m-Xylene & p-Xylene	<0.00399	U	0.199	0.1632		mg/Kg		82	70 - 130	0	35
o-Xylene	<0.00200	U	0.0996	0.08149		mg/Kg		82	70 - 130	0	35

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

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

Lab Sample ID: MB 880-9818/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 9617

Prep Batch: 9818

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		10/18/21 17:14	10/18/21 22:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/18/21 17:14	10/18/21 22:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/21 17:14	10/18/21 22:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	10/18/21 17:14	10/18/21 22:35	1
o-Terphenyl	124		70 - 130	10/18/21 17:14	10/18/21 22:35	1

Lab Sample ID: LCS 880-9818/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 9617

Prep Batch: 9818

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	958.6		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	837.9		mg/Kg		84	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-9818/2-A

Matrix: Solid

Analysis Batch: 9617

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9818

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: LCSD 880-9818/3-A

Matrix: Solid

Analysis Batch: 9617

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 9818

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1067		mg/Kg		107	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	868.5		mg/Kg		87	70 - 130	4	20

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

Lab Sample ID: 890-1439-A-21-F MS

Matrix: Solid

Analysis Batch: 9617

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 9818

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1149		mg/Kg		115	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	998	992.3		mg/Kg		99	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 890-1439-A-21-G MSD

Matrix: Solid

Analysis Batch: 9617

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 9818

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	999	1166		mg/Kg		117	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	988.2		mg/Kg		99	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	102		70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-9451/1-A

Matrix: Solid

Analysis Batch: 9481

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			10/14/21 13:30	1

Lab Sample ID: LCS 880-9451/2-A

Matrix: Solid

Analysis Batch: 9481

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	261.6		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-9451/3-A

Matrix: Solid

Analysis Batch: 9481

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	261.6		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-1411-A-7-B MS

Matrix: Solid

Analysis Batch: 9481

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	360		250	635.2		mg/Kg		110	90 - 110

Lab Sample ID: 890-1411-A-7-C MSD

Matrix: Solid

Analysis Batch: 9481

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	360		250	622.2		mg/Kg		105	90 - 110	2	20

Lab Sample ID: MB 880-9482/1-A

Matrix: Solid

Analysis Batch: 9502

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			10/15/21 03:34	1

Lab Sample ID: LCS 880-9482/2-A

Matrix: Solid

Analysis Batch: 9502

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	251.2		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-9482/3-A

Matrix: Solid

Analysis Batch: 9502

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	251.4		mg/Kg		101	90 - 110	0	20

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QC Sample Results

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-7231-7 MS

Matrix: Solid

Analysis Batch: 9502

Client Sample ID: SW-5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	12.3		253	243.6		mg/Kg		92	90 - 110

Lab Sample ID: 880-7231-7 MSD

Matrix: Solid

Analysis Batch: 9502

Client Sample ID: SW-5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	12.3		253	244.8		mg/Kg		92	90 - 110	1	20

QC Association Summary

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 9108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7231-1	CS-1 (1'-1.5')	Total/NA	Solid	5035	
880-7231-2	CS-2 (1'-1.5')	Total/NA	Solid	5035	
880-7231-3	SW-1	Total/NA	Solid	5035	
880-7231-4	SW-2	Total/NA	Solid	5035	
880-7231-5	SW-3	Total/NA	Solid	5035	
880-7231-6	SW-4	Total/NA	Solid	5035	
880-7231-7	SW-5	Total/NA	Solid	5035	
MB 880-9108/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-9108/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-9108/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-7231-1 MS	CS-1 (1'-1.5')	Total/NA	Solid	5035	
880-7231-1 MSD	CS-1 (1'-1.5')	Total/NA	Solid	5035	

Analysis Batch: 9521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7231-1	CS-1 (1'-1.5')	Total/NA	Solid	8021B	9108
880-7231-2	CS-2 (1'-1.5')	Total/NA	Solid	8021B	9108
880-7231-3	SW-1	Total/NA	Solid	8021B	9108
880-7231-4	SW-2	Total/NA	Solid	8021B	9108
880-7231-5	SW-3	Total/NA	Solid	8021B	9108
880-7231-6	SW-4	Total/NA	Solid	8021B	9108
880-7231-7	SW-5	Total/NA	Solid	8021B	9108
MB 880-9108/5-A	Method Blank	Total/NA	Solid	8021B	9108
LCS 880-9108/1-A	Lab Control Sample	Total/NA	Solid	8021B	9108
LCSD 880-9108/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	9108
880-7231-1 MS	CS-1 (1'-1.5')	Total/NA	Solid	8021B	9108
880-7231-1 MSD	CS-1 (1'-1.5')	Total/NA	Solid	8021B	9108

Analysis Batch: 9799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7231-1	CS-1 (1'-1.5')	Total/NA	Solid	Total BTEX	
880-7231-2	CS-2 (1'-1.5')	Total/NA	Solid	Total BTEX	
880-7231-3	SW-1	Total/NA	Solid	Total BTEX	
880-7231-4	SW-2	Total/NA	Solid	Total BTEX	
880-7231-5	SW-3	Total/NA	Solid	Total BTEX	
880-7231-6	SW-4	Total/NA	Solid	Total BTEX	
880-7231-7	SW-5	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 9617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7231-1	CS-1 (1'-1.5')	Total/NA	Solid	8015B NM	9818
880-7231-2	CS-2 (1'-1.5')	Total/NA	Solid	8015B NM	9818
880-7231-3	SW-1	Total/NA	Solid	8015B NM	9818
880-7231-4	SW-2	Total/NA	Solid	8015B NM	9818
880-7231-5	SW-3	Total/NA	Solid	8015B NM	9818
880-7231-6	SW-4	Total/NA	Solid	8015B NM	9818
880-7231-7	SW-5	Total/NA	Solid	8015B NM	9818
MB 880-9818/1-A	Method Blank	Total/NA	Solid	8015B NM	9818
LCS 880-9818/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	9818

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QC Association Summary

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 9617 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-9818/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	9818
890-1439-A-21-F MS	Matrix Spike	Total/NA	Solid	8015B NM	9818
890-1439-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	9818

Analysis Batch: 9749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7231-1	CS-1 (1'-1.5')	Total/NA	Solid	8015 NM	
880-7231-2	CS-2 (1'-1.5')	Total/NA	Solid	8015 NM	
880-7231-3	SW-1	Total/NA	Solid	8015 NM	
880-7231-4	SW-2	Total/NA	Solid	8015 NM	
880-7231-5	SW-3	Total/NA	Solid	8015 NM	
880-7231-6	SW-4	Total/NA	Solid	8015 NM	
880-7231-7	SW-5	Total/NA	Solid	8015 NM	

Prep Batch: 9818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7231-1	CS-1 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-7231-2	CS-2 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-7231-3	SW-1	Total/NA	Solid	8015NM Prep	
880-7231-4	SW-2	Total/NA	Solid	8015NM Prep	
880-7231-5	SW-3	Total/NA	Solid	8015NM Prep	
880-7231-6	SW-4	Total/NA	Solid	8015NM Prep	
880-7231-7	SW-5	Total/NA	Solid	8015NM Prep	
MB 880-9818/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-9818/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-9818/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1439-A-21-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1439-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 9451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7231-1	CS-1 (1'-1.5')	Soluble	Solid	DI Leach	
880-7231-2	CS-2 (1'-1.5')	Soluble	Solid	DI Leach	
880-7231-3	SW-1	Soluble	Solid	DI Leach	
880-7231-4	SW-2	Soluble	Solid	DI Leach	
880-7231-5	SW-3	Soluble	Solid	DI Leach	
880-7231-6	SW-4	Soluble	Solid	DI Leach	
MB 880-9451/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9451/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9451/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1411-A-7-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1411-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 9481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7231-1	CS-1 (1'-1.5')	Soluble	Solid	300.0	9451
880-7231-2	CS-2 (1'-1.5')	Soluble	Solid	300.0	9451
880-7231-3	SW-1	Soluble	Solid	300.0	9451
880-7231-4	SW-2	Soluble	Solid	300.0	9451

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QC Association Summary

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 9481 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7231-5	SW-3	Soluble	Solid	300.0	9451
880-7231-6	SW-4	Soluble	Solid	300.0	9451
MB 880-9451/1-A	Method Blank	Soluble	Solid	300.0	9451
LCS 880-9451/2-A	Lab Control Sample	Soluble	Solid	300.0	9451
LCSD 880-9451/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9451
890-1411-A-7-B MS	Matrix Spike	Soluble	Solid	300.0	9451
890-1411-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	9451

Leach Batch: 9482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7231-7	SW-5	Soluble	Solid	DI Leach	
MB 880-9482/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9482/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9482/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-7231-7 MS	SW-5	Soluble	Solid	DI Leach	
880-7231-7 MSD	SW-5	Soluble	Solid	DI Leach	

Analysis Batch: 9502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7231-7	SW-5	Soluble	Solid	300.0	9482
MB 880-9482/1-A	Method Blank	Soluble	Solid	300.0	9482
LCS 880-9482/2-A	Lab Control Sample	Soluble	Solid	300.0	9482
LCSD 880-9482/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9482
880-7231-7 MS	SW-5	Soluble	Solid	300.0	9482
880-7231-7 MSD	SW-5	Soluble	Solid	300.0	9482

Lab Chronicle

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-7231-1

Date Collected: 10/13/21 00:00

Matrix: Solid

Date Received: 10/14/21 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	9108	10/14/21 10:35	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9521	10/15/21 14:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9818	10/18/21 17:14	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			9617	10/19/21 02:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9451	10/14/21 10:43	CH	XEN MID
Soluble	Analysis	300.0		1			9481	10/14/21 16:44	CH	XEN MID

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

Lab Sample ID: 880-7231-2

Date Collected: 10/13/21 00:00

Matrix: Solid

Date Received: 10/14/21 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	9108	10/14/21 10:35	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9521	10/15/21 14:48	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9818	10/18/21 17:14	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			9617	10/19/21 02:55	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9451	10/14/21 10:43	CH	XEN MID
Soluble	Analysis	300.0		1			9481	10/14/21 16:51	CH	XEN MID

Client Sample ID: SW-1

Lab Sample ID: 880-7231-3

Date Collected: 10/13/21 00:00

Matrix: Solid

Date Received: 10/14/21 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9108	10/14/21 10:35	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9521	10/15/21 15:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9818	10/18/21 17:14	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			9617	10/19/21 03:15	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9451	10/14/21 10:43	CH	XEN MID
Soluble	Analysis	300.0		1			9481	10/14/21 16:57	CH	XEN MID

Client Sample ID: SW-2

Lab Sample ID: 880-7231-4

Date Collected: 10/13/21 00:00

Matrix: Solid

Date Received: 10/14/21 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9108	10/14/21 10:35	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9521	10/15/21 15:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID

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Lab Chronicle

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

Client Sample ID: SW-2

Lab Sample ID: 880-7231-4

Date Collected: 10/13/21 00:00

Matrix: Solid

Date Received: 10/14/21 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9818	10/18/21 17:14	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			9617	10/19/21 03:56	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	9451	10/14/21 10:43	CH	XEN MID
Soluble	Analysis	300.0		1			9481	10/14/21 17:03	CH	XEN MID

Client Sample ID: SW-3

Lab Sample ID: 880-7231-5

Date Collected: 10/13/21 00:00

Matrix: Solid

Date Received: 10/14/21 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9108	10/14/21 10:35	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9521	10/15/21 15:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	9818	10/18/21 17:14	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			9617	10/19/21 04:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9451	10/14/21 10:43	CH	XEN MID
Soluble	Analysis	300.0		1			9481	10/14/21 17:09	CH	XEN MID

Client Sample ID: SW-4

Lab Sample ID: 880-7231-6

Date Collected: 10/13/21 00:00

Matrix: Solid

Date Received: 10/14/21 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	9108	10/14/21 10:35	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9521	10/15/21 16:10	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	9818	10/18/21 17:14	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			9617	10/19/21 04:36	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	9451	10/14/21 10:43	CH	XEN MID
Soluble	Analysis	300.0		1			9481	10/14/21 17:16	CH	XEN MID

Client Sample ID: SW-5

Lab Sample ID: 880-7231-7

Date Collected: 10/13/21 00:00

Matrix: Solid

Date Received: 10/14/21 10:28

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	9108	10/14/21 10:35	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9521	10/15/21 16:31	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9799	10/18/21 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			9749	10/18/21 14:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.0 g	10 mL	9818	10/18/21 17:14	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			9617	10/19/21 04:57	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

Client Sample ID: SW-5

Date Collected: 10/13/21 00:00

Date Received: 10/14/21 10:28

Lab Sample ID: 880-7231-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	9482	10/14/21 14:25	CH	XEN MID
Soluble	Analysis	300.0		1			9502	10/15/21 03:51	CH	XEN MID

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

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

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

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

Method Summary

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Xenco, Midland

Sample Summary

Client: NT Global
Project/Site: Craig State #003H (7.16.21)

Job ID: 880-7231-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-7231-1	CS-1 (1'-1.5')	Solid	10/13/21 00:00	10/14/21 10:31
880-7231-2	CS-2 (1'-1.5')	Solid	10/13/21 00:00	10/14/21 10:31
880-7231-3	SW-1	Solid	10/13/21 00:00	10/14/21 10:31
880-7231-4	SW-2	Solid	10/13/21 00:00	10/14/21 10:31
880-7231-5	SW-3	Solid	10/13/21 00:00	10/14/21 10:31
880-7231-6	SW-4	Solid	10/13/21 00:00	10/14/21 10:31
880-7231-7	SW-5	Solid	10/13/21 00:00	10/14/21 10:28



Chain of Custody

Project Manager	Mike Carmona	Bill to (if different)	Jacqui Harris
Company Name:	NTG Environmental	Company Name.	COG
Address:	701 Tradewinds BLVD	Address.	15 W Loving Rd
City, State ZIP	Midland, TX 79706	City, State ZIP.	Loving NM 86256
Phone:	575-754-1807	Email	jacqui_harris@conocophillips.com

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

Project Name:						Craig State #003H (7 16 21)		
Project Number						214741		
						☐ Routine ☒ Rush		
Project Location						Eddy Co., NM		
Sampler's Name:						CCM		
PO #:						TAT starts the day received by the lab if received by 4 30pm		
SAMPLE RECEIPT						Temp Blank.	Yes No	
						Received Intact	Yes No	
						Cooler Custody Seals.	Yes No N/A	
						Sample Custody Seals:	Yes No N/A	
						Total Containers.		
						Wet Ice:	(X) Yes No	
						Thermometer ID:	N/A	
						Correction Factor	D-1	
						Temperature Reading	3.3	
						Corrected Temperature.	3.4	
Parameters								
BTEx 8021B								
8015M (GRO + DRO + MRO)								
Chloride 300 0								
HOLD								
None NO								
Cool Cool MeOH Me								
HCL HC HNO ₃ HN								
H ₂ SO ₄ H ₂ NaOH Na								
H ₃ PO ₄ HP								
NaHSO ₄ NABIS								
Na ₂ S ₂ O ₃ NaSO ₃								
Zn Acetate+NaOH Zn								
NaOH+Ascorbic Acid SAPC								

[illegible]

Additional Comments:

Notwithstanding to whomsoever the samples are submitted, the client shall be responsible for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	10/14/21			
		10/30/21			

880-7231 Chain of Custody



Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-7231-1

SDG Number: Eddy Co, NM

Login Number: 7231

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Xenco, Midland

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 64774

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 64774
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	None	1/26/2022