Site Information

Closure Report
Myox State 31 O CTB (05.29.21)
Eddy County, New Mexico
Unit N Sec 31 T25S R28E
Incident #: NAPP2116529154
32.081484°, -104.126741°

Crude Oil Release
Source: Equipment malfunction at the flare
Release Date: 5/29/2021
Volume Released: 0.25 bbls/Crude Oil
Volume Recovered: 0 bbls/Crude Oil

Prepared for:
ConocoPhillips Resources
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

September 14, 2021

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

Re: Closure Report
Myox 31 State O CTB (05.29.21)
Concho Operating, LLC
Site Location: Unit N, S31, T25S, R28E
(Lat 32.081484º, Long -104.126741)
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 Myox 31 State O CTB (05.29.21). The site is located at 32.081484º, -104.126741º within Unit N, S31, T25S, R28E, and approximately 10.37 miles Southwest of Malaga, New Mexico, in Eddy County (Figures 1 and 2).

Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the leak was discovered on May 29, 2021. It resulted in the release of approximately a quarter (0.25) barrel of crude oil, and zero (0) barrels of crude oil were recovered. The impacted area measured approximately 38' x 9', as shown on 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 1.68 miles Northeast of the site in S29, T25S, R28E. The well has a reported depth to groundwater of 20.33' 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 August 31, 2021, NTGE conducted site assessment activities to assess soil impacts resulting from the release. A total of six (6) sample points were advanced to depths ranging surface – 1.0 ft bgs within and surrounding the release area to assess the vertical and horizontal extent of potential impacts. The soil sample locations are shown on Figure 3.

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

Referring to Table 1, the areas of sample locations S-1, S-2, H-2, and H-3 showed high TPH concentrations of 415 mg/kg, 837 mg/kg, 637 mg/kg, and 154 mg/kg. All samples were below the 19.15.29.12 NMAC criteria for BTEX and Chlorides.

Remediation Activities and Confirmation Sampling

New Tech Global Environmental personnel were onsite from July 9-10, 2021, supervising the remediation activities and collecting confirmation samples. The areas of S-1 and were excavated to a depth of 1.5 - 2.0.' below surface.

A total of two (2) confirmation samples were collected (CS-1 and CS-2), and four (4) sidewall samples (SW-1 through SW-4) 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.

The areas of CS-1 and CS-2 showed high TPH concentrations of 651 mg/kg and 257 mg/kg at 1.0 below the surface. The confirmation samples were re-collected after breaking through the dense layer of caliche around 2.0' below the surface. The final BTEX and Chloride confirmation samples were below 19.15.29.12 NMAC criteria.

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 29 cubic yards of material were excavated and transported offsite for proper disposal.

Conclusions

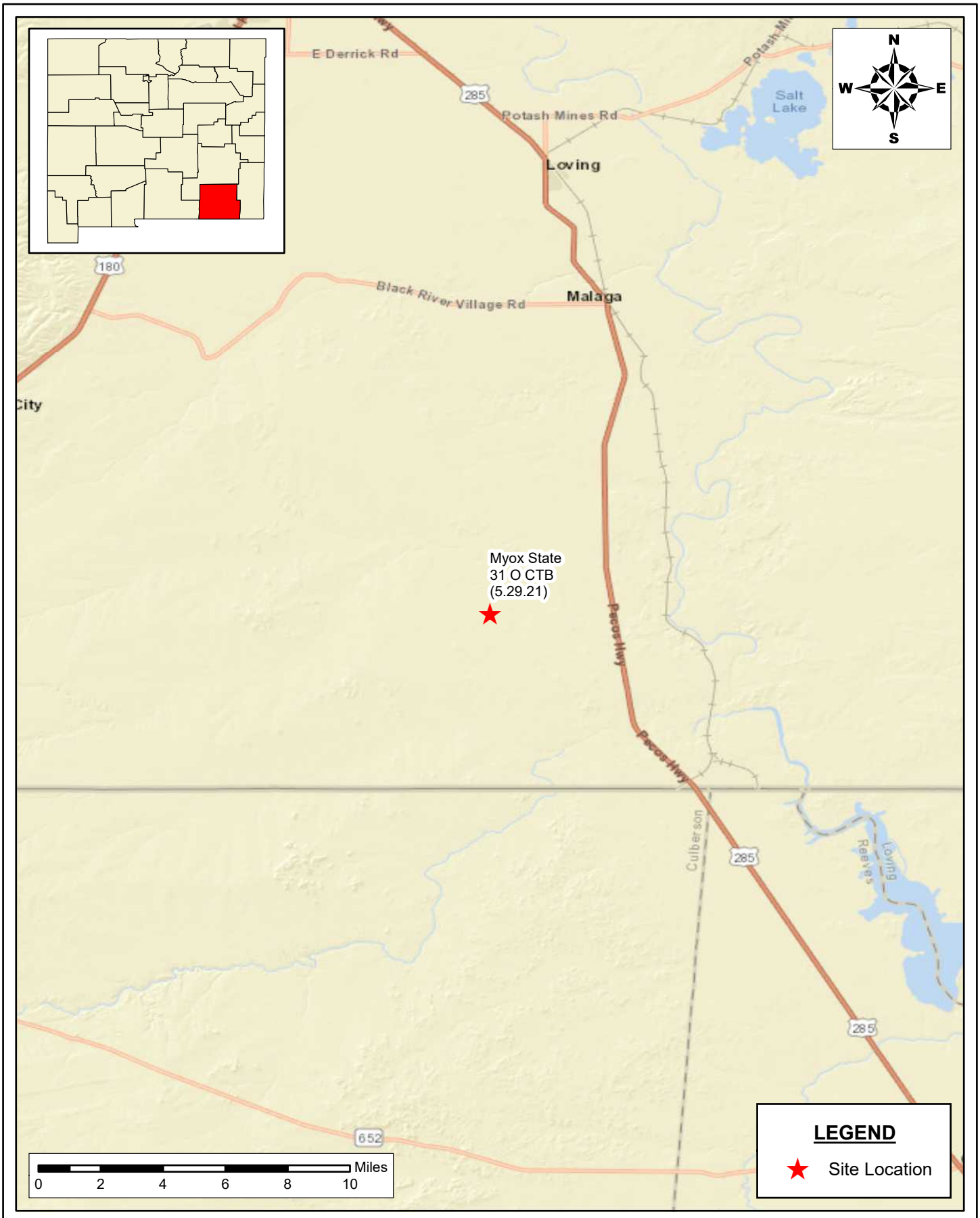
Based on the assessment finding and the analytical results, no further actions are required at the site. The final C-141 is attached, and EOG formally requests closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-0263.

Sincerely,
NTG Environmental

Mike Carmona
Senior Project Manager

Conner Moehring
Project Manager

Figures



SITE LOCATION MAP
COG OPERATING, LLC
MYOX 31 STATE O CTB (5.29.21)
EDDY COUNTY, NEW MEXICO
32.081484, -104.126741

SCALE: As Shown | Date: 9/6/2021 | PROJECT #: 214609

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

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

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1

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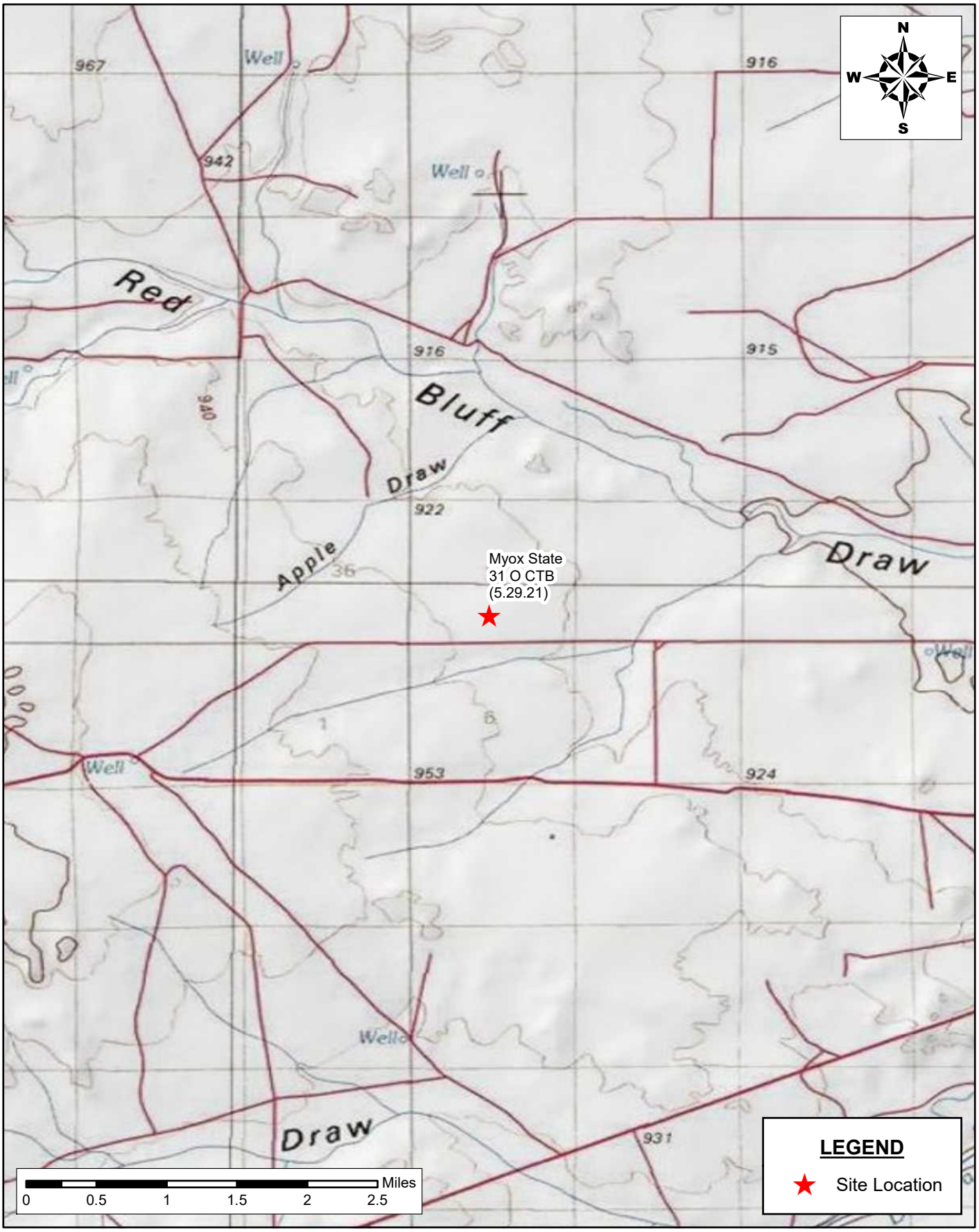

AREA MAP
COG OPERATING, LLC
MYOX 31 STATE O CTB (5.29.21)
EDDY COUNTY, NEW MEXICO
32.081484, -104.126741

SCALE: As Shown	Date: 9/6/2021	PROJECT #: 214609

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

DRAWING NUMBER:
FIGURE 2
SHEET NUMBER:
1 of 1

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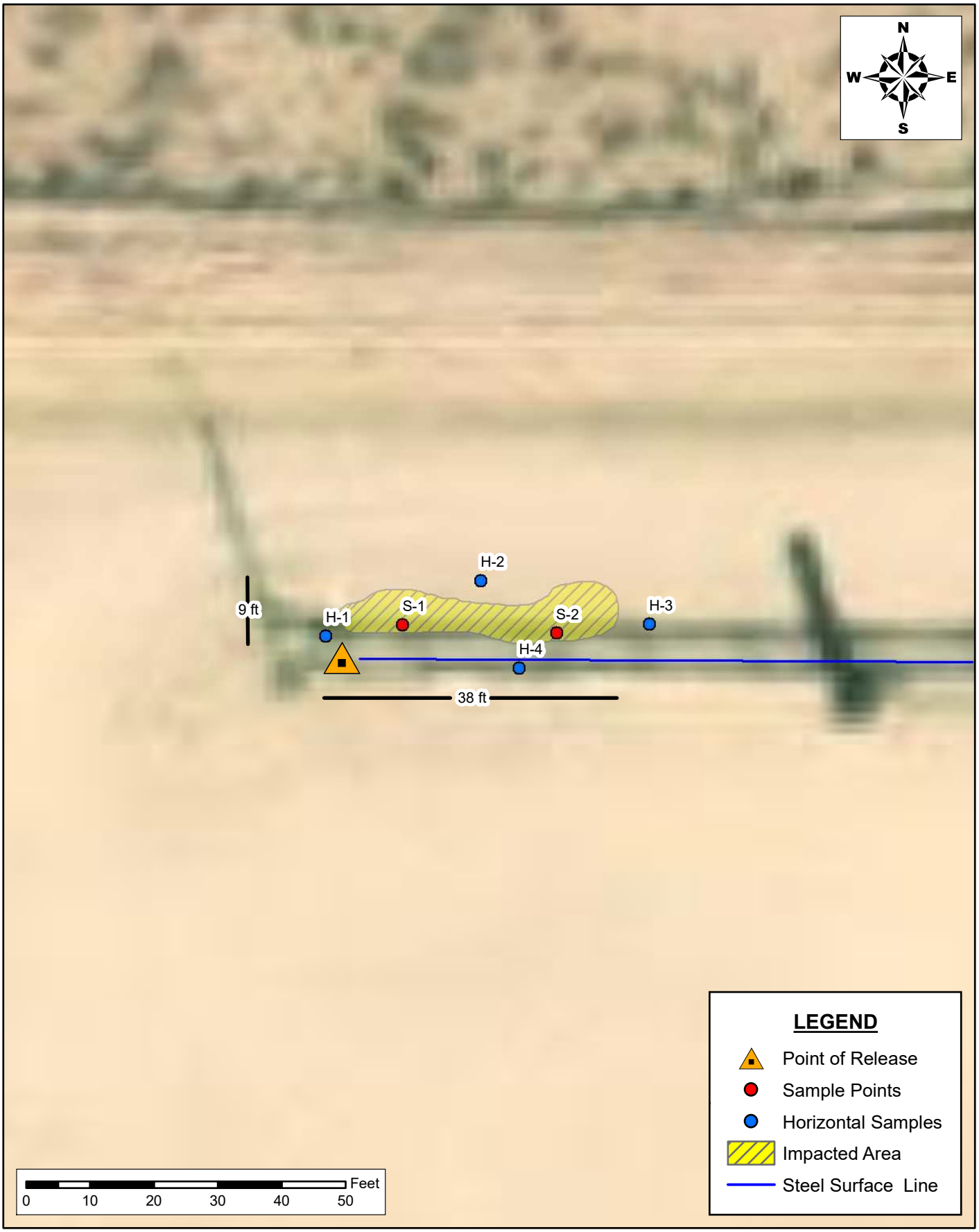

SAMPLE LOCATION MAP
COG OPERATING, LLC
MYOX 31 STATE O CTB (5.29.21)
EDDY COUNTY, NEW MEXICO
32.081484, -104.126741

SCALE: As Shown | Date: 9/14/2021 | PROJECT #: 214609

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NOTES:
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DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
1 of 1

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EXCAVATION DEPTH MAP
COG OPERATING, LLC
MYOX 31 STATE O CTB (5.29.21)
EDDY COUNTY, NEW MEXICO
32.081484, -104.126741

SCALE: As Shown | Date: 9/14/2021 | PROJECT #: 214609

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

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

DRAWING NUMBER:
FIGURE 4
SHEET NUMBER:
1 of 1

Document Path: P:\2021 PROJECTS\COG\RSC\214609 Myox State 31 O CTB (5.29.21)\7 - Figures\GIS\Geodatabase\Figure_4_ExcavationMap_09062021.mxd

Tables

Table 1
Concho Operating, LLC
Myox 31 State O CTB (05.29.21)
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	8/31/2021	0-1	<50.0	**352**	62.9	**415**	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	14.7
S-2	8/31/2021	0-1	<49.8	**760**	77.4	**837**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	93
H-1	8/31/2021	0.5	<49.9	76.1	<49.9	76.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	153
H-2	8/31/2021	0.5	<49.8	**556**	80.7	**637**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	46.7
H-3	8/31/2021	0.5	<49.9	**154**	<49.9	**154**	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	20.7
H-4	8/31/2021	0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	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

Removed

Table 2
Concho Operating, LLC
Myox 31 State O CTB (05.29.21)
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	9/9/2021	1.5	<10.0	**482**	**169**	**651**	<0.50	<0.50	<0.50	<0.150	<0.300	288
	9/10/2021	1.5-2.0	<49.8	47.7	49.9	98.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<4.98
CS-2	9/9/2021	1.5	<10.0	**194**	62.5	**257**	<0.50	<0.50	<0.50	<0.150	<0.300	304
	9/10/2021	1.5-2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.00
SW-1	9/9/2021	-	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	368
SW-2	9/9/2021	-	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	272
SW-3	9/9/2021	-	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	224
SW-4	9/9/2021	-	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	192
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

Removed

Photo Log

PHOTOGRAPHIC LOG

COG Operating, LLC

Photograph No. 1

Facility: Myox 31 State O CTB (05.29.21)

County: Eddy County, New Mexico

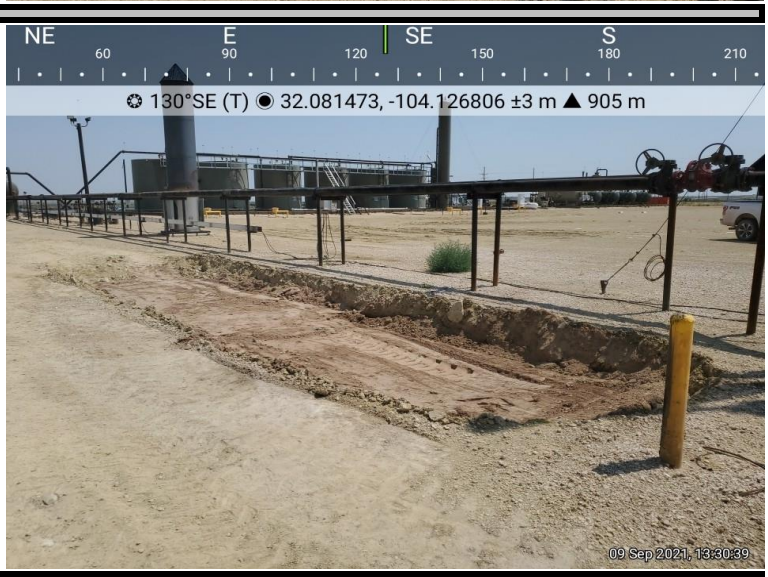
Description:
Veiw East, Area of Confirmation Samples (1-2)

Photograph No. 2

Facility: Myox 31 State O CTB (05.29.21)

County: Eddy County, New Mexico

Description:
Veiw Southeast, Area of Confirmation Samples (1-2)



Photograph No. 3

Facility: Myox 31 State O CTB (05.29.21)

County: Eddy County, New Mexico

Description:
Veiw Southwest, Area of Confirmation Samples (1-2)

NTGE Project No.

Prepared by: NTG

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	NAPP2116529154
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		

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2116529154
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 not been undertaken, explain why:

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Ramona Marcus Date: 6/14/2021

NAPP2116529154

L48 Spill Volume Estimate Form												
Facility Name & Number:	Myox St 31 O CTB											
Asset Area:	DBWN											
Release Discovery Date & Time:	May 31, 2021- 9:48am											
Release Type:	Oil											
Provide any known details about the event:	Flare Fire											
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 *Pool* 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	15.0	10.0	0.15	1	150.000	0.013	0.334	0.001	0.334			
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:	0.334			

State of New Mexico
Oil Conservation Division

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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

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: Jacqui Harris Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

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: Jacqui 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: _____ Date: _____

Printed Name: _____ Title: _____

Appendix B

Nearest Water Well

COG Operating, LLC

Legend

- 0.50 Mile Radius
- 1.68 Miles
- 1.77 Miles
- 1.86 Miles
- 2.12 Mies
- 2.14 Miles
- NMSEO Water Well
- Myox 31 State O CTB (05.29.21)
- USGS Water Well

12' - Drilled 2016

14.89 - Drilled 1948

20.33' - Drilled 2003

722

69' - Drilled 2019

90' - Drilled 1965

Myox 31 State O CTB (05.29.21)

N

1 mi

Google Earth

Medium Karst

COG Operating, LLC

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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 01278		C	ED		4	3	28	25S	28E	585470	3551338*	205	90	115
C 01411	R	C	ED	4	4	2	04	25S	28E	586289	3558522*	69	35	34
C 01411 POD2		C	ED	4	2	4	04	25S	28E	586374	3558036	90	50	40
C 01453		C	ED		1	2	26	25S	28E	589096	3552612*	70	40	30
C 01522		C	ED			1	22	25S	28E	586843	3554004*	150		
C 01573 POD1		C	ED	3	1	4	20	25S	28E	584144	3553361	176	96	80
C 02668		C	ED	2	1	2	09	25S	28E	585890	3557525*	150		
C 03263 POD1		CUB	ED	1	1	1	07	25S	28E	581628	3557501*	133		
C 03836 POD1		C	ED	2	2	4	29	25S	28E	584682	3551934	300	30	270
C 03861 POD1		C	ED	4	2	3	18	25S	28E	582266	3554864	91	63	28
C 04513 POD1		CUB	ED	3	2	2	35	25S	28E	545587	3550698			

Average Depth to Water: **57 feet**
Minimum Depth: **30 feet**
Maximum Depth: **96 feet**

Record Count: 11

PLSS Search:

Township: 25S **Range:** 28E

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

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

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

Groundwater levels for New Mexico

Click to hide state-specific text

* IMPORTANT: Next Generation Station Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320557104061501

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

USGS 320557104061501 25S.28E.29.41243A

Eddy County, New Mexico
Latitude 32°05'56.0", Longitude 104°06'22.6" NAD83
Land-surface elevation 2,968.90 feet above NGVD29
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
1978-01-12		D	62610		2948.65	NGVD29	3	Z		
1978-01-12		D	62611		2950.24	NAVD88	3	Z		
1978-01-12		D	72019	20.25			3	Z		
1983-02-01		D	62610		2955.90	NGVD29	1	Z		
1983-02-01		D	62611		2957.49	NAVD88	1	Z		
1983-02-01		D	72019	13.00			1	Z		
1987-10-13		D	62610		2957.11	NGVD29	1	Z		
1987-10-13		D	62611		2958.70	NAVD88	1	Z		
1987-10-13		D	72019	11.79			1	Z		
1992-11-04		D	62610		2953.67	NGVD29	3	S		
1992-11-04		D	62611		2955.26	NAVD88	3	S		
1992-11-04		D	72019	15.23			3	S		
1998-01-23		D	62610		2953.60	NGVD29	1	S		
1998-01-23		D	62611		2955.19	NAVD88	1	S		
1998-01-23		D	72019	15.30			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		2948.57	NGVD29	1	S	USGS	
2003-01-28		D	62611		2950.16	NAVD88	1	S	USGS	
2003-01-28		D	72019	20.33			1	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	3	True value is above reported value due to local conditions
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
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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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2021-08-09 15:14:51 EDT
0.28 0.24 nadww02

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- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

* IMPORTANT: Next Generation Station Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320557104061601

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

USGS 320557104061601 25S.28E.29.41243

Eddy County, New Mexico
Latitude 32°05'57", Longitude 104°06'16" NAD27
Land-surface elevation 2,968 feet above NAVD88
The depth of the well is 60 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1948-12-06		D	62610		2951.52	NGVD29	1	Z		
1948-12-06		D	62611		2953.11	NAVD88	1	Z		
1948-12-06		D	72019	14.89			1	Z		

Explanation

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

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

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2021-08-09 15:16:44 EDT
0.27 0.24 nadww01

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	C 03938 POD1	2	2	2	25	25S	27E	581482	3552616

Driller License: 1711 **Driller Company:** STRAUB CORPORATION

Driller Name: EDWARD BRYAN

Drill Start Date:	03/08/2016	**Drill Finish Date:**	03/08/2016	**Plug Date:**	
Log File Date:	03/22/2016	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	2.00	**Depth Well:**	21 feet	**Depth Water:**	12 feet

Casing Perforations:	Top	Bottom
	6	21

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	C 01278		4	3	28	25S	28E	585470	3551338*

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

Driller Name: ABBOTT, MUNELL

Drill Start Date: 04/04/1965 **Drill Finish Date:** 04/08/1965 **Plug Date:**

Log File Date: 05/27/1965 **PCW Rcv Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: **Depth Well:** 205 feet **Depth Water:** 90 feet

Water Bearing Stratifications:	Top	Bottom	Description
	105	110	Sandstone/Gravel/Conglomerate

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

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
NA	C 04371 POD1	3	3	4	26	25S	27E	579369	3551272

Driller License: 1456 **Driller Company:** WHITE DRILLING COMPANY

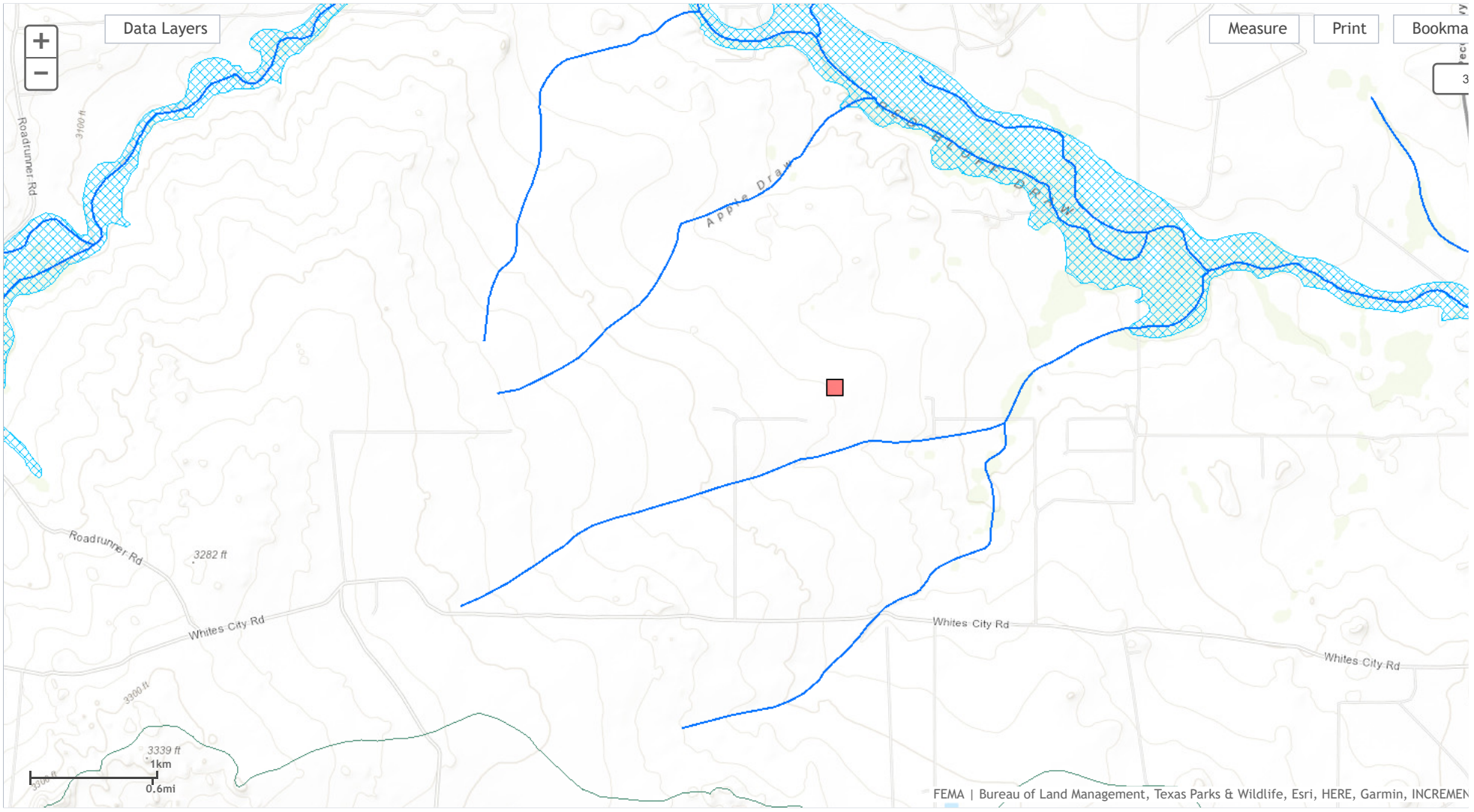
Driller Name: WHITE, JOHNNOWN.GENER

Drill Start Date:	10/17/2019	**Drill Finish Date:**	10/17/2019	**Plug Date:**	10/17/2019
Log File Date:	11/04/2019	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	100 feet	**Depth Water:**	69 feet

Water Bearing Stratifications:	Top	Bottom	Description
	5	100	Other/Unknown

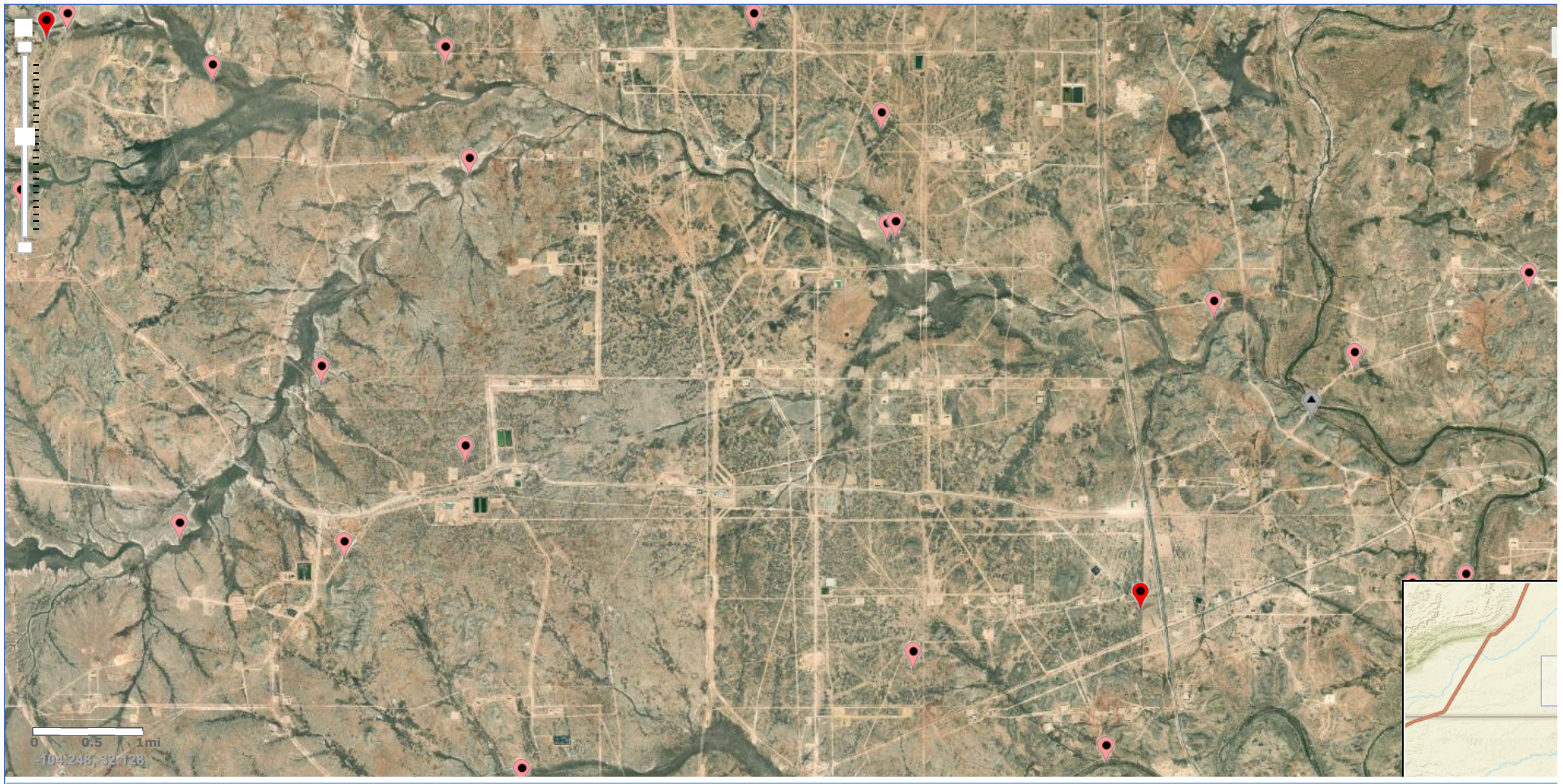
NFHL Web Mapping Application

Please select a county



USGS science for a changing world

National Water Information System: Mapper



Site Information

Appendix C

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-5669-1
Laboratory Sample Delivery Group: 214609
Client Project/Site: COG Myox 31 State O CTB (05.29.21)

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

JKramer

Authorized for release by:
9/2/2021 3:08:57 PM

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

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

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

Client: NT Global
Project/Site: COG Myox 31 State O CTB (05.29.21)

Laboratory Job ID: 880-5669-1
SDG: 214609

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Definitions/Glossary

Client: NT Global
Project/Site: COG Myox 31 State O CTB (05.29.21)

Job ID: 880-5669-1
SDG: 214609

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, 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.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: NT Global
Project/Site: COG Myox 31 State O CTB (05.29.21)

Job ID: 880-5669-1
SDG: 214609

Job ID: 880-5669-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-5669-1

Receipt
The samples were received on 9/1/2021 9:41 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 5.5°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7385 and analytical batch 880-7366 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

HPLC/IC
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: COG Myox 31 State O CTB (05.29.21)

Job ID: 880-5669-1
SDG: 214609

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

Lab Sample ID: 880-5669-1
Matrix: Solid
Date Collected: 08/31/21 00:00
Date Received: 09/01/21 09:41
Sample Depth: 0 - 1'

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		09/01/21 10:19	09/02/21 07:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/01/21 10:19	09/02/21 07:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/01/21 10:19	09/02/21 07:21	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/01/21 10:19	09/02/21 07:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/01/21 10:19	09/02/21 07:21	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/01/21 10:19	09/02/21 07:21	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		09/01/21 10:19	09/02/21 07:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*09/01/21 10:19*	*09/02/21 07:21*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*09/01/21 10:19*	*09/02/21 07:21*	*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		09/01/21 10:35	09/01/21 20:09	1
Diesel Range Organics (Over C10-C28)	**352**		50.0		mg/Kg		09/01/21 10:35	09/01/21 20:09	1
Oil Range Organics (Over C28-C36)	**62.9**		50.0		mg/Kg		09/01/21 10:35	09/01/21 20:09	1
Total TPH	**415**		50.0		mg/Kg		09/01/21 10:35	09/01/21 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*09/01/21 10:35*	*09/01/21 20:09*	*1*
o-Terphenyl	*95*		*70 - 130*	*09/01/21 10:35*	*09/01/21 20:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.7**		5.00		mg/Kg			09/01/21 17:48	1

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

Lab Sample ID: 880-5669-2
Matrix: Solid
Date Collected: 08/31/21 00:00
Date Received: 09/01/21 09:41
Sample Depth: 0 - 1'

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		09/01/21 10:19	09/02/21 07:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/01/21 10:19	09/02/21 07:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/01/21 10:19	09/02/21 07:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/01/21 10:19	09/02/21 07:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/01/21 10:19	09/02/21 07:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/01/21 10:19	09/02/21 07:42	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/01/21 10:19	09/02/21 07:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*09/01/21 10:19*	*09/02/21 07:42*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*09/01/21 10:19*	*09/02/21 07:42*	*1*

Client Sample Results

Client: NT Global
Project/Site: COG Myox 31 State O CTB (05.29.21)

Job ID: 880-5669-1
SDG: 214609

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

Date Collected: 08/31/21 00:00
Date Received: 09/01/21 09:41
Sample Depth: 0 - 1'

Lab Sample ID: 880-5669-2

Matrix: Solid

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		09/01/21 10:35	09/01/21 20:30	1
Diesel Range Organics (Over C10-C28)	**760**		49.8		mg/Kg		09/01/21 10:35	09/01/21 20:30	1
Oil Range Organics (Over C28-C36)	**77.4**		49.8		mg/Kg		09/01/21 10:35	09/01/21 20:30	1
Total TPH	**837**		49.8		mg/Kg		09/01/21 10:35	09/01/21 20:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*09/01/21 10:35*	*09/01/21 20:30*	*1*
o-Terphenyl	*90*		*70 - 130*	*09/01/21 10:35*	*09/01/21 20:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**92.8**		4.98		mg/Kg			09/01/21 17:53	1

Surrogate Summary

Client: NT Global
Project/Site: COG Myox 31 State O CTB (05.29.21)

Job ID: 880-5669-1
SDG: 214609

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-5668-A-1-C MS	Matrix Spike	832 S1+	441 S1+
880-5668-A-1-D MSD	Matrix Spike Duplicate	149 S1+	139 S1+
880-5669-1	S-1 (0-1')	111	85
880-5669-2	S-2 (0-1')	118	96
LCS 880-7385/1-A	Lab Control Sample	94	91
LCSD 880-7385/2-A	Lab Control Sample Dup	100	92
MB 880-7365/5-A	Method Blank	123	105
MB 880-7385/5-A	Method Blank	132 S1+	105

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-5666-A-1-C MS	Matrix Spike	87	85
880-5666-A-1-D MSD	Matrix Spike Duplicate	88	85
880-5669-1	S-1 (0-1')	88	95
880-5669-2	S-2 (0-1')	83	90
LCS 880-7387/2-A	Lab Control Sample	87	87
LCSD 880-7387/3-A	Lab Control Sample Dup	99	97
MB 880-7387/1-A	Method Blank	85	89

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: COG Myox 31 State O CTB (05.29.21)

Job ID: 880-5669-1
SDG: 214609

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-7365/5-A
Matrix: Solid
Analysis Batch: 7366

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7365

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/01/21 08:59	09/01/21 12:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/21 08:59	09/01/21 12:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/21 08:59	09/01/21 12:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/01/21 08:59	09/01/21 12:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/21 08:59	09/01/21 12:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/01/21 08:59	09/01/21 12:22	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/01/21 08:59	09/01/21 12:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*09/01/21 08:59*	*09/01/21 12:22*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*09/01/21 08:59*	*09/01/21 12:22*	*1*

Lab Sample ID: MB 880-7385/5-A
Matrix: Solid
Analysis Batch: 7366

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7385

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/01/21 10:19	09/01/21 23:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/21 10:19	09/01/21 23:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/21 10:19	09/01/21 23:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/01/21 10:19	09/01/21 23:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/21 10:19	09/01/21 23:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/01/21 10:19	09/01/21 23:57	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/01/21 10:19	09/01/21 23:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*09/01/21 10:19*	*09/01/21 23:57*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*09/01/21 10:19*	*09/01/21 23:57*	*1*

Lab Sample ID: LCS 880-7385/1-A
Matrix: Solid
Analysis Batch: 7366

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 7385

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08816		mg/Kg		88	70 - 130
Toluene	0.100	0.09729		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1013		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.1873		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09333		mg/Kg		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: COG Myox 31 State O CTB (05.29.21)

Job ID: 880-5669-1
SDG: 214609

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

Lab Sample ID: LCSD 880-7385/2-A
Matrix: Solid
Analysis Batch: 7366

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7385

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08639		mg/Kg		86	70 - 130	2	35
Toluene			0.100	0.09839		mg/Kg		98	70 - 130	1	35
Ethylbenzene			0.100	0.1065		mg/Kg		107	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.1968		mg/Kg		98	70 - 130	5	35
o-Xylene			0.100	0.09817		mg/Kg		98	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 880-5668-A-1-C MS
Matrix: Solid
Analysis Batch: 7366

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 7385

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F2 F1	0.0996	0.3151	F1	mg/Kg		316	70 - 130
Toluene	<0.00200	U F2 F1	0.0996	0.1865	F1	mg/Kg		187	70 - 130
Ethylbenzene	<0.00200	U F2 F1	0.0996	0.01810	F1	mg/Kg		18	70 - 130
m-Xylene & p-Xylene	<0.00400	U F2 F1	0.199	0.3906	F1	mg/Kg		196	70 - 130
o-Xylene	<0.00200	U F2 F1	0.0996	0.3854	F1	mg/Kg		387	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*832*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*441*	*S1+*	*70 - 130*

Lab Sample ID: 880-5668-A-1-D MSD
Matrix: Solid
Analysis Batch: 7366

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 7385

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.0992	0.09683	F2	mg/Kg		98	70 - 130	106	35
Toluene	<0.00200	U F2 F1	0.0992	0.05312	F2 F1	mg/Kg		54	70 - 130	111	35
Ethylbenzene	<0.00200	U F2 F1	0.0992	0.05206	F2 F1	mg/Kg		52	70 - 130	97	35
m-Xylene & p-Xylene	<0.00400	U F2 F1	0.198	0.09963	F2 F1	mg/Kg		50	70 - 130	119	35
o-Xylene	<0.00200	U F2 F1	0.0992	0.05509	F2 F1	mg/Kg		56	70 - 130	150	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*139*	*S1+*	*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: COG Myox 31 State O CTB (05.29.21)

Job ID: 880-5669-1
SDG: 214609

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

Lab Sample ID: MB 880-7387/1-A
Matrix: Solid
Analysis Batch: 7361

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7387

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/01/21 10:35	09/01/21 11:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/01/21 10:35	09/01/21 11:41	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/01/21 10:35	09/01/21 11:41	1
Total TPH	<50.0	U	50.0		mg/Kg		09/01/21 10:35	09/01/21 11:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/01/21 10:35*	*09/01/21 11:41*	*1*
o-Terphenyl	*89*		*70 - 130*	*09/01/21 10:35*	*09/01/21 11:41*	*1*

Lab Sample ID: LCS 880-7387/2-A
Matrix: Solid
Analysis Batch: 7361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 7387

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	961.8		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	805.0		mg/Kg		81	70 - 130		

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

Lab Sample ID: LCSD 880-7387/3-A
Matrix: Solid
Analysis Batch: 7361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7387

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1019		mg/Kg		102	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	906.4		mg/Kg		91	70 - 130	12	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Lab Sample ID: 880-5666-A-1-C MS
Matrix: Solid
Analysis Batch: 7361

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 7387

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	875.9		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	995	781.7		mg/Kg		76	70 - 130		

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: COG Myox 31 State O CTB (05.29.21)

Job ID: 880-5669-1
SDG: 214609

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

Lab Sample ID: 880-5666-A-1-C MS
Matrix: Solid
Analysis Batch: 7361

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 7387

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: 880-5666-A-1-D MSD
Matrix: Solid
Analysis Batch: 7361

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 7387

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	919.8		mg/Kg		92	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	794.0		mg/Kg		77	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	85		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-7389/1-A
Matrix: Solid
Analysis Batch: 7402

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/01/21 15:04	1

Lab Sample ID: LCS 880-7389/2-A
Matrix: Solid
Analysis Batch: 7402

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	247.4		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-7389/3-A
Matrix: Solid
Analysis Batch: 7402

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	2	20

Lab Sample ID: 880-5667-A-4-D MS
Matrix: Solid
Analysis Batch: 7402

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	12.3		253	278.0		mg/Kg		105	90 - 110

QC Sample Results

Client: NT Global
Project/Site: COG Myox 31 State O CTB (05.29.21)

Job ID: 880-5669-1
SDG: 214609

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-5667-A-4-E MSD
Matrix: Solid
Analysis Batch: 7402

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	12.3		253	262.1		mg/Kg		99	90 - 110	6	20

QC Association Summary

Client: NT Global
Project/Site: COG Myox 31 State O CTB (05.29.21)

Job ID: 880-5669-1
SDG: 214609

GC VOA

Prep Batch: 7365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-7365/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 7366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5669-1	S-1 (0-1')	Total/NA	Solid	8021B	7385
880-5669-2	S-2 (0-1')	Total/NA	Solid	8021B	7385
MB 880-7365/5-A	Method Blank	Total/NA	Solid	8021B	7365
MB 880-7385/5-A	Method Blank	Total/NA	Solid	8021B	7385
LCS 880-7385/1-A	Lab Control Sample	Total/NA	Solid	8021B	7385
LCSD 880-7385/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7385
880-5668-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	7385
880-5668-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	7385

Prep Batch: 7385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5669-1	S-1 (0-1')	Total/NA	Solid	5035	
880-5669-2	S-2 (0-1')	Total/NA	Solid	5035	
MB 880-7385/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7385/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7385/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-5668-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-5668-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 7361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5669-1	S-1 (0-1')	Total/NA	Solid	8015B NM	7387
880-5669-2	S-2 (0-1')	Total/NA	Solid	8015B NM	7387
MB 880-7387/1-A	Method Blank	Total/NA	Solid	8015B NM	7387
LCS 880-7387/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7387
LCSD 880-7387/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7387
880-5666-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	7387
880-5666-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	7387

Prep Batch: 7387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5669-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-5669-2	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-7387/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7387/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7387/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-5666-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-5666-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 7389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5669-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-5669-2	S-2 (0-1')	Soluble	Solid	DI Leach	
MB 880-7389/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: NT Global
Project/Site: COG Myox 31 State O CTB (05.29.21)

Job ID: 880-5669-1
SDG: 214609

HPLC/IC (Continued)

Leach Batch: 7389 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-7389/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7389/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-5667-A-4-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-5667-A-4-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 7402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5669-1	S-1 (0-1')	Soluble	Solid	300.0	7389
880-5669-2	S-2 (0-1')	Soluble	Solid	300.0	7389
MB 880-7389/1-A	Method Blank	Soluble	Solid	300.0	7389
LCS 880-7389/2-A	Lab Control Sample	Soluble	Solid	300.0	7389
LCSD 880-7389/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7389
880-5667-A-4-D MS	Matrix Spike	Soluble	Solid	300.0	7389
880-5667-A-4-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	7389

Lab Chronicle

Client: NT Global
Project/Site: COG Myox 31 State O CTB (05.29.21)

Job ID: 880-5669-1
SDG: 214609

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

Lab Sample ID: 880-5669-1
Matrix: Solid
Date Collected: 08/31/21 00:00
Date Received: 09/01/21 09:41

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	7385	09/01/21 10:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7366	09/02/21 07:21	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7387	09/01/21 10:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7361	09/01/21 20:09	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7389	09/01/21 11:11	SC	XEN MID
Soluble	Analysis	300.0		1			7402	09/01/21 17:48	CH	XEN MID

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

Lab Sample ID: 880-5669-2
Matrix: Solid
Date Collected: 08/31/21 00:00
Date Received: 09/01/21 09:41

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	7385	09/01/21 10:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7366	09/02/21 07:42	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	7387	09/01/21 10:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7361	09/01/21 20:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7389	09/01/21 11:11	SC	XEN MID
Soluble	Analysis	300.0		1			7402	09/01/21 17:53	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
Job ID: 880-5669-1
Project/Site: COG Myox 31 State O CTB (05.29.21)
SDG: 214609

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	T104704400-20-21	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
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: NT Global
Project/Site: COG Myox 31 State O CTB (05.29.21)

Job ID: 880-5669-1
SDG: 214609

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (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.

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: COG Myox 31 State O CTB (05.29.21)

Job ID: 880-5669-1
SDG: 214609

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-5669-1	S-1 (0-1')	Solid	08/31/21 00:00	09/01/21 09:41	0 - 1'
880-5669-2	S-2 (0-1')	Solid	08/31/21 00:00	09/01/21 09:41	0 - 1'

NTG ENVIRONMENTAL

Chain of Custod

880-5669 Chain of Custody

er No: 880-5669

9/2/2021

Page 2 of 1

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 88256
Phone	575-496-0780 Email		jacquiharris@conocophillips.com

Work Order Comments

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

State of Project.

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Myox 31 State O CTB (05 29 21)	Turn Around	
Project Number	214609	☐ Routine ☑ Rush	
Project Location	Eddy Co, NM	Due Date	48 Hours
Sampler's Name	CRM	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice	(Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR8
Cooler Custody Seals	Yes No (N/A)	Correction Factor	+0.5
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	5.0
Total Containers:		Corrected Temperature	5.5

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD
S-1 (0-1')	8/31/2021		X		G	1		X	X	X	
S-2 (0-1')	8/31/2021		X		G	1		X	X	X	

Parameters

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL HC HNO_3 HN

H_2S0_4 H_2 NaOH Na

H_3PO_4 HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Comments

Additoinal Comments:

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 Nick Hard		9/1/21 0941	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-5669-1
SDG Number: 214609

Login Number: 5669
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.	False	No time on COC or sample containers
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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ANALYTICAL REPORT

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

Laboratory Job ID: 880-5667-1
Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Myox 31 State O CTB (05.29.21)

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

JKramer

Authorized for release by:
9/2/2021 3:08:13 PM

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

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

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

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.21)

Laboratory Job ID: 880-5667-1
SDG: Eddy Co, NM

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Eurofins Xenco, Midland
9/2/2021

Definitions/Glossary

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.21)

Job ID: 880-5667-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, 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.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.21)

Job ID: 880-5667-1
SDG: Eddy Co, NM

Job ID: 880-5667-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-5667-1

Receipt
The samples were received on 9/1/2021 9:50 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 5.5°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7385 and analytical batch 880-7366 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

HPLC/IC
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: Myox 31 State O CTB (05.29.21)

Job ID: 880-5667-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-5667-1
Matrix: Solid
Date Collected: 08/31/21 00:00
Date Received: 09/01/21 09:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/01/21 10:19	09/02/21 02:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/21 10:19	09/02/21 02:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/21 10:19	09/02/21 02:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/01/21 10:19	09/02/21 02:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/21 10:19	09/02/21 02:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/01/21 10:19	09/02/21 02:49	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/01/21 10:19	09/02/21 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*09/01/21 10:19*	*09/02/21 02:49*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*09/01/21 10:19*	*09/02/21 02:49*	*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		09/01/21 10:35	09/01/21 15:12	1
Diesel Range Organics (Over C10-C28)	**76.1**		49.9		mg/Kg		09/01/21 10:35	09/01/21 15:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/01/21 10:35	09/01/21 15:12	1
Total TPH	**76.1**		49.9		mg/Kg		09/01/21 10:35	09/01/21 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/01/21 10:35*	*09/01/21 15:12*	*1*
o-Terphenyl	*90*		*70 - 130*	*09/01/21 10:35*	*09/01/21 15:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**153**		4.97		mg/Kg			09/01/21 16:23	1

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

Lab Sample ID: 880-5667-2
Matrix: Solid
Date Collected: 08/31/21 00:00
Date Received: 09/01/21 09:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/01/21 10:19	09/02/21 03:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/01/21 10:19	09/02/21 03:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/01/21 10:19	09/02/21 03:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/01/21 10:19	09/02/21 03:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/01/21 10:19	09/02/21 03:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/01/21 10:19	09/02/21 03:09	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/01/21 10:19	09/02/21 03:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*09/01/21 10:19*	*09/02/21 03:09*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*09/01/21 10:19*	*09/02/21 03:09*	*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		09/01/21 10:35	09/01/21 15:34	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.21)

Job ID: 880-5667-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-5667-2
Date Collected: 08/31/21 00:00
Matrix: Solid
Date Received: 09/01/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	**556**		49.8		mg/Kg		09/01/21 10:35	09/01/21 15:34	1
Oil Range Organics (Over C28-C36)	**80.7**		49.8		mg/Kg		09/01/21 10:35	09/01/21 15:34	1
Total TPH	**637**		49.8		mg/Kg		09/01/21 10:35	09/01/21 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*09/01/21 10:35*	*09/01/21 15:34*	*1*
o-Terphenyl	*93*		*70 - 130*	*09/01/21 10:35*	*09/01/21 15:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46.7**		5.00		mg/Kg			09/01/21 16:29	1

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

Lab Sample ID: 880-5667-3
Date Collected: 08/31/21 00:00
Matrix: Solid
Date Received: 09/01/21 09:50

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		09/01/21 10:19	09/02/21 03:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/01/21 10:19	09/02/21 03:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/01/21 10:19	09/02/21 03:30	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/01/21 10:19	09/02/21 03:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/01/21 10:19	09/02/21 03:30	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/01/21 10:19	09/02/21 03:30	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		09/01/21 10:19	09/02/21 03:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*09/01/21 10:19*	*09/02/21 03:30*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*09/01/21 10:19*	*09/02/21 03:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/01/21 10:35	09/01/21 15:55	1
Diesel Range Organics (Over C10-C28)	**154**		49.9		mg/Kg		09/01/21 10:35	09/01/21 15:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/01/21 10:35	09/01/21 15:55	1
Total TPH	**154**		49.9		mg/Kg		09/01/21 10:35	09/01/21 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*09/01/21 10:35*	*09/01/21 15:55*	*1*
o-Terphenyl	*89*		*70 - 130*	*09/01/21 10:35*	*09/01/21 15:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.7**		4.99		mg/Kg			09/01/21 16:34	1

Client Sample Results

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.21)

Job ID: 880-5667-1
SDG: Eddy Co, NM

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

Date Collected: 08/31/21 00:00
Date Received: 09/01/21 09:50

Lab Sample ID: 880-5667-4

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/01/21 10:19	09/02/21 05:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/21 10:19	09/02/21 05:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/21 10:19	09/02/21 05:19	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/01/21 10:19	09/02/21 05:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/21 10:19	09/02/21 05:19	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/01/21 10:19	09/02/21 05:19	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		09/01/21 10:19	09/02/21 05:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*09/01/21 10:19*	*09/02/21 05:19*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*09/01/21 10:19*	*09/02/21 05:19*	*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		09/01/21 10:35	09/01/21 16:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/01/21 10:35	09/01/21 16:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/01/21 10:35	09/01/21 16:17	1
Total TPH	<49.9	U	49.9		mg/Kg		09/01/21 10:35	09/01/21 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*09/01/21 10:35*	*09/01/21 16:17*	*1*
o-Terphenyl	*93*		*70 - 130*	*09/01/21 10:35*	*09/01/21 16:17*	*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			09/01/21 16:40	1

Surrogate Summary

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.21)

Job ID: 880-5667-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-5667-1	H-1 (0-0.5')	98	91
880-5667-2	H-2 (0-0.5')	112	94
880-5667-3	H-3 (0-0.5')	111	76
880-5667-4	H-4 (0-0.5')	114	93
880-5668-A-1-C MS	Matrix Spike	832 S1+	441 S1+
880-5668-A-1-D MSD	Matrix Spike Duplicate	149 S1+	139 S1+
LCS 880-7385/1-A	Lab Control Sample	94	91
LCSD 880-7385/2-A	Lab Control Sample Dup	100	92
MB 880-7365/5-A	Method Blank	123	105
MB 880-7385/5-A	Method Blank	132 S1+	105

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-5666-A-1-C MS	Matrix Spike	87	85
880-5666-A-1-D MSD	Matrix Spike Duplicate	88	85
880-5667-1	H-1 (0-0.5')	85	90
880-5667-2	H-2 (0-0.5')	90	93
880-5667-3	H-3 (0-0.5')	84	89
880-5667-4	H-4 (0-0.5')	88	93
LCS 880-7387/2-A	Lab Control Sample	87	87
LCSD 880-7387/3-A	Lab Control Sample Dup	99	97
MB 880-7387/1-A	Method Blank	85	89

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.21)

Job ID: 880-5667-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-7365/5-A
Matrix: Solid
Analysis Batch: 7366

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7365

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/01/21 08:59	09/01/21 12:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/21 08:59	09/01/21 12:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/21 08:59	09/01/21 12:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/01/21 08:59	09/01/21 12:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/21 08:59	09/01/21 12:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/01/21 08:59	09/01/21 12:22	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/01/21 08:59	09/01/21 12:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*09/01/21 08:59*	*09/01/21 12:22*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*09/01/21 08:59*	*09/01/21 12:22*	*1*

Lab Sample ID: MB 880-7385/5-A
Matrix: Solid
Analysis Batch: 7366

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7385

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/01/21 10:19	09/01/21 23:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/21 10:19	09/01/21 23:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/21 10:19	09/01/21 23:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/01/21 10:19	09/01/21 23:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/21 10:19	09/01/21 23:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/01/21 10:19	09/01/21 23:57	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/01/21 10:19	09/01/21 23:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*09/01/21 10:19*	*09/01/21 23:57*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*09/01/21 10:19*	*09/01/21 23:57*	*1*

Lab Sample ID: LCS 880-7385/1-A
Matrix: Solid
Analysis Batch: 7366

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 7385

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08816		mg/Kg		88	70 - 130
Toluene	0.100	0.09729		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1013		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.1873		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09333		mg/Kg		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.21)

Job ID: 880-5667-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-7385/2-A
Matrix: Solid
Analysis Batch: 7366

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7385

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08639		mg/Kg		86	70 - 130	2	35
Toluene			0.100	0.09839		mg/Kg		98	70 - 130	1	35
Ethylbenzene			0.100	0.1065		mg/Kg		107	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.1968		mg/Kg		98	70 - 130	5	35
o-Xylene			0.100	0.09817		mg/Kg		98	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 880-5668-A-1-C MS
Matrix: Solid
Analysis Batch: 7366

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 7385

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F2 F1	0.0996	0.3151	F1	mg/Kg		316	70 - 130
Toluene	<0.00200	U F2 F1	0.0996	0.1865	F1	mg/Kg		187	70 - 130
Ethylbenzene	<0.00200	U F2 F1	0.0996	0.01810	F1	mg/Kg		18	70 - 130
m-Xylene & p-Xylene	<0.00400	U F2 F1	0.199	0.3906	F1	mg/Kg		196	70 - 130
o-Xylene	<0.00200	U F2 F1	0.0996	0.3854	F1	mg/Kg		387	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*832*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*441*	*S1+*	*70 - 130*

Lab Sample ID: 880-5668-A-1-D MSD
Matrix: Solid
Analysis Batch: 7366

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 7385

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.0992	0.09683	F2	mg/Kg		98	70 - 130	106	35
Toluene	<0.00200	U F2 F1	0.0992	0.05312	F2 F1	mg/Kg		54	70 - 130	111	35
Ethylbenzene	<0.00200	U F2 F1	0.0992	0.05206	F2 F1	mg/Kg		52	70 - 130	97	35
m-Xylene & p-Xylene	<0.00400	U F2 F1	0.198	0.09963	F2 F1	mg/Kg		50	70 - 130	119	35
o-Xylene	<0.00200	U F2 F1	0.0992	0.05509	F2 F1	mg/Kg		56	70 - 130	150	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*139*	*S1+*	*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.21)

Job ID: 880-5667-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-7387/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 7361 — **Prep Batch: 7387**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/01/21 10:35	09/01/21 11:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/01/21 10:35	09/01/21 11:41	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/01/21 10:35	09/01/21 11:41	1
Total TPH	<50.0	U	50.0		mg/Kg		09/01/21 10:35	09/01/21 11:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/01/21 10:35*	*09/01/21 11:41*	*1*
o-Terphenyl	*89*		*70 - 130*	*09/01/21 10:35*	*09/01/21 11:41*	*1*

Lab Sample ID: LCS 880-7387/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 7361 — **Prep Batch: 7387**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	961.8		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	805.0		mg/Kg		81	70 - 130		

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

Lab Sample ID: LCSD 880-7387/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 7361 — **Prep Batch: 7387**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1019		mg/Kg		102	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	906.4		mg/Kg		91	70 - 130	12	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Lab Sample ID: 880-5666-A-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 7361 — **Prep Batch: 7387**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	875.9		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	995	781.7		mg/Kg		76	70 - 130		

QC Sample Results

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.21)

Job ID: 880-5667-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-5666-A-1-C MS
Matrix: Solid
Analysis Batch: 7361

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 7387

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: 880-5666-A-1-D MSD
Matrix: Solid
Analysis Batch: 7361

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 7387

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	919.8		mg/Kg		92	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	794.0		mg/Kg		77	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	85		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-7389/1-A
Matrix: Solid
Analysis Batch: 7402

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/01/21 15:04	1

Lab Sample ID: LCS 880-7389/2-A
Matrix: Solid
Analysis Batch: 7402

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	247.4		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-7389/3-A
Matrix: Solid
Analysis Batch: 7402

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	2	20

Lab Sample ID: 880-5667-4 MS
Matrix: Solid
Analysis Batch: 7402

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	12.3		253	278.0		mg/Kg		105	90 - 110

QC Sample Results

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.21)

Job ID: 880-5667-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-5667-4 MSD
Matrix: Solid
Analysis Batch: 7402

Client Sample ID: H-4 (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	12.3		253	262.1		mg/Kg		99	90 - 110	6	20

QC Association Summary

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.21)

Job ID: 880-5667-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 7365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-7365/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 7366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5667-1	H-1 (0-0.5')	Total/NA	Solid	8021B	7385
880-5667-2	H-2 (0-0.5')	Total/NA	Solid	8021B	7385
880-5667-3	H-3 (0-0.5')	Total/NA	Solid	8021B	7385
880-5667-4	H-4 (0-0.5')	Total/NA	Solid	8021B	7385
MB 880-7365/5-A	Method Blank	Total/NA	Solid	8021B	7365
MB 880-7385/5-A	Method Blank	Total/NA	Solid	8021B	7385
LCS 880-7385/1-A	Lab Control Sample	Total/NA	Solid	8021B	7385
LCSD 880-7385/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7385
880-5668-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	7385
880-5668-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	7385

Prep Batch: 7385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5667-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-5667-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-5667-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-5667-4	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-7385/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7385/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7385/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-5668-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-5668-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 7361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5667-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	7387
880-5667-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	7387
880-5667-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	7387
880-5667-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	7387
MB 880-7387/1-A	Method Blank	Total/NA	Solid	8015B NM	7387
LCS 880-7387/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7387
LCSD 880-7387/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7387
880-5666-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	7387
880-5666-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	7387

Prep Batch: 7387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5667-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-5667-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-5667-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-5667-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-7387/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7387/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7387/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-5666-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.21)

Job ID: 880-5667-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 7387 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5666-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 7389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5667-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-5667-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-5667-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-5667-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-7389/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7389/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7389/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-5667-4 MS	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-5667-4 MSD	H-4 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 7402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5667-1	H-1 (0-0.5')	Soluble	Solid	300.0	7389
880-5667-2	H-2 (0-0.5')	Soluble	Solid	300.0	7389
880-5667-3	H-3 (0-0.5')	Soluble	Solid	300.0	7389
880-5667-4	H-4 (0-0.5')	Soluble	Solid	300.0	7389
MB 880-7389/1-A	Method Blank	Soluble	Solid	300.0	7389
LCS 880-7389/2-A	Lab Control Sample	Soluble	Solid	300.0	7389
LCSD 880-7389/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7389
880-5667-4 MS	H-4 (0-0.5')	Soluble	Solid	300.0	7389
880-5667-4 MSD	H-4 (0-0.5')	Soluble	Solid	300.0	7389

Lab Chronicle

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.21)

Job ID: 880-5667-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-5667-1
Matrix: Solid
Date Collected: 08/31/21 00:00
Date Received: 09/01/21 09:50

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	7385	09/01/21 10:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7366	09/02/21 02:49	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7387	09/01/21 10:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7361	09/01/21 15:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	7389	09/01/21 11:11	SC	XEN MID
Soluble	Analysis	300.0		1			7402	09/01/21 16:23	CH	XEN MID

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

Lab Sample ID: 880-5667-2
Matrix: Solid
Date Collected: 08/31/21 00:00
Date Received: 09/01/21 09:50

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	7385	09/01/21 10:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7366	09/02/21 03:09	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7387	09/01/21 10:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7361	09/01/21 15:34	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7389	09/01/21 11:11	SC	XEN MID
Soluble	Analysis	300.0		1			7402	09/01/21 16:29	CH	XEN MID

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

Lab Sample ID: 880-5667-3
Matrix: Solid
Date Collected: 08/31/21 00:00
Date Received: 09/01/21 09:50

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	7385	09/01/21 10:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7366	09/02/21 03:30	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7387	09/01/21 10:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7361	09/01/21 15:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7389	09/01/21 11:11	SC	XEN MID
Soluble	Analysis	300.0		1			7402	09/01/21 16:34	CH	XEN MID

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

Lab Sample ID: 880-5667-4
Matrix: Solid
Date Collected: 08/31/21 00:00
Date Received: 09/01/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	7385	09/01/21 10:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7366	09/02/21 05:19	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7387	09/01/21 10:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7361	09/01/21 16:17	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	7389	09/01/21 11:11	SC	XEN MID
Soluble	Analysis	300.0		1			7402	09/01/21 16:40	CH	XEN MID

Laboratory References:

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

Eurofins Xenco, Midland

Accreditation/Certification Summary

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.21)

Job ID: 880-5667-1
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	T104704400-20-21	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
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.21)

Job ID: 880-5667-1
SDG: Eddy Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (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.

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.21)

Job ID: 880-5667-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-5667-1	H-1 (0-0.5')	Solid	08/31/21 00:00	09/01/21 09:50
880-5667-2	H-2 (0-0.5')	Solid	08/31/21 00:00	09/01/21 09:50
880-5667-3	H-3 (0-0.5')	Solid	08/31/21 00:00	09/01/21 09:50
880-5667-4	H-4 (0-0.5')	Solid	08/31/21 00:00	09/01/21 09:50

NTG ENVIRONMENTAL

Chain of Custody

880-5667 Chain of Custody

Order No: 880-5667

9/2/2021

Page 1 of 1

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 88256
Phone.	575-496-0780	Email	jacquiharris@conocophillips.com

Work Order Comments

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

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Myox 31 State O CTB (05 29 21)	Turn Around	
Project Number:	214609	☐ Routine ☒ Rush	
Project Location	Eddy Co, NM	Due Date	48 Hours
Sampler's Name.	CRM	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice	(Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR8
Cooler Custody Seals.	Yes No (N/A)	Correction Factor:	+0.5
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	5.0
Total Containers:		Corrected Temperature	5.5

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD
H-1 (0-0 5')	8/31/2021		X		G	1		X	X	X	
H-2 (0-0 5')	8/31/2021		X		G	1		X	X	X	
H-3 (0-0 5')	8/31/2021		X		G	1		X	X	X	
H-4 (0-0 5')	8/31/2021		X		G	1		X	X	X	

Preservative Codes

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

Sample Comments

Additoinal Comments:

Relinquished by: (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 Nicholas		9/1/21 0941	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-5667-1
SDG Number: Eddy Co, NM

Login Number: 5667
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.	False	No time on COC, logged in per container labels.
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

September 10, 2021

MIKE CARMONA

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: MYOX 31 ST. O (5.29.21)

Enclosed are the results of analyses for samples received by the laboratory on 09/09/21 15:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

NTG ENVIRONMENTAL
MIKE CARMONA
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	09/09/2021	Sampling Date:	09/09/2021
Reported:	09/10/2021	Sampling Type:	Soil
Project Name:	MYOX 31 ST. O (5.29.21)	Sampling Condition:	Cool & Intact
Project Number:	214609	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: CS - 1 (1.5') (H212496-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.80	90.2	2.00	6.14	
Toluene*	<0.050	0.050	09/09/2021	ND	1.99	99.4	2.00	5.81	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.95	97.7	2.00	6.04	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.92	98.6	6.00	5.49	
Total BTEX	<0.300	0.300	09/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	09/10/2021	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2021	ND	235	118	200	7.35	
DRO >C10-C28*	**482**	10.0	09/10/2021	ND	234	117	200	10.1	
EXT DRO >C28-C36	**169**	10.0	09/10/2021	ND					

Surrogate: 1-Chlorooctane *110 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *124 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

NTG ENVIRONMENTAL
MIKE CARMONA
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	09/09/2021	Sampling Date:	09/09/2021
Reported:	09/10/2021	Sampling Type:	Soil
Project Name:	MYOX 31 ST. O (5.29.21)	Sampling Condition:	Cool & Intact
Project Number:	214609	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: CS - 2 (1.5') (H212496-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.80	90.2	2.00	6.14	
Toluene*	<0.050	0.050	09/09/2021	ND	1.99	99.4	2.00	5.81	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.95	97.7	2.00	6.04	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.92	98.6	6.00	5.49	
Total BTEX	<0.300	0.300	09/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	09/10/2021	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2021	ND	235	118	200	7.35	
DRO >C10-C28*	**194**	10.0	09/10/2021	ND	234	117	200	10.1	
EXT DRO >C28-C36	**62.5**	10.0	09/10/2021	ND					

Surrogate: 1-Chlorooctane *112 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *120 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

NTG ENVIRONMENTAL
MIKE CARMONA
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	09/09/2021	Sampling Date:	09/09/2021
Reported:	09/10/2021	Sampling Type:	Soil
Project Name:	MYOX 31 ST. O (5.29.21)	Sampling Condition:	Cool & Intact
Project Number:	214609	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SW - 1 (H212496-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.80	90.2	2.00	6.14	
Toluene*	<0.050	0.050	09/09/2021	ND	1.99	99.4	2.00	5.81	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.95	97.7	2.00	6.04	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.92	98.6	6.00	5.49	
Total BTEX	<0.300	0.300	09/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**368**	16.0	09/10/2021	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2021	ND	235	118	200	7.35	
DRO >C10-C28*	<10.0	10.0	09/10/2021	ND	234	117	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	09/10/2021	ND					

Surrogate: 1-Chlorooctane *111 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *112 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

NTG ENVIRONMENTAL
MIKE CARMONA
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	09/09/2021	Sampling Date:	09/09/2021
Reported:	09/10/2021	Sampling Type:	Soil
Project Name:	MYOX 31 ST. O (5.29.21)	Sampling Condition:	Cool & Intact
Project Number:	214609	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SW - 2 (H212496-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.80	90.2	2.00	6.14	
Toluene*	<0.050	0.050	09/09/2021	ND	1.99	99.4	2.00	5.81	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.95	97.7	2.00	6.04	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.92	98.6	6.00	5.49	
Total BTEX	<0.300	0.300	09/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	09/10/2021	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2021	ND	235	118	200	7.35	
DRO >C10-C28*	<10.0	10.0	09/10/2021	ND	234	117	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	09/10/2021	ND					

Surrogate: 1-Chlorooctane *109 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *110 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

NTG ENVIRONMENTAL
MIKE CARMONA
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	09/09/2021	Sampling Date:	09/09/2021
Reported:	09/10/2021	Sampling Type:	Soil
Project Name:	MYOX 31 ST. O (5.29.21)	Sampling Condition:	Cool & Intact
Project Number:	214609	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SW - 3 (H212496-05)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.80	90.2	2.00	6.14	
Toluene*	<0.050	0.050	09/09/2021	ND	1.99	99.4	2.00	5.81	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.95	97.7	2.00	6.04	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.92	98.6	6.00	5.49	
Total BTEX	<0.300	0.300	09/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	09/10/2021	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2021	ND	235	118	200	7.35	
DRO >C10-C28*	<10.0	10.0	09/10/2021	ND	234	117	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	09/10/2021	ND					

Surrogate: 1-Chlorooctane *105 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *106 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

NTG ENVIRONMENTAL
MIKE CARMONA
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	09/09/2021	Sampling Date:	09/09/2021
Reported:	09/10/2021	Sampling Type:	Soil
Project Name:	MYOX 31 ST. O (5.29.21)	Sampling Condition:	Cool & Intact
Project Number:	214609	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SW - 4 (H212496-06)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.80	90.2	2.00	6.14	
Toluene*	<0.050	0.050	09/09/2021	ND	1.99	99.4	2.00	5.81	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.95	97.7	2.00	6.04	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.92	98.6	6.00	5.49	
Total BTEX	<0.300	0.300	09/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	09/10/2021	ND	432	108	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2021	ND	235	118	200	7.35	
DRO >C10-C28*	<10.0	10.0	09/10/2021	ND	234	117	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	09/10/2021	ND					

Surrogate: 1-Chlorooctane *110 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *111 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTG
Project Manager: Mike Carmona
Address:
City: State: Zip:
Phone #: Fax #:
Project #: 214609 Project Owner:
Project Name: Myox 31 St. 0 (5.29.21)
Project Location: Eddy Co, NM
Sampler Name: Clint Merritt

BILL TO

P.O. #:
Company: Conoco Phillips
Attn: Jacqui Harris
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

TAT 4500 9/9/21
BTEX 8021B
TPH 8015M (GRO+DRO+MRO)
Chloride 300.0

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	TIME
H212496														
1	CS-1 (1.5')	C	1			X							9.9	
2	CS-2 (1.5')	C	1			X							9.9	
3	SW-1	C	1			X							9.9	
4	SW-2	C	1			X							9.9	
5	SW-3	C	1			X							9.9	
6	SW-4	C	1			X							9.9	
		C	1			X								

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise

Relinquished By: Date: 9-9-21 Time: 1535 Received By: Tamara Oldaker
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 2.1 Corrected Temp. °C
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) T.O.

Turnaround Time: Standard Rush
Thermometer ID #113 Correction Factor None
Bacteria (only) Sample Condition: ☐ Cool ☐ Intact Observed Temp. °C ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C

FORM-006 R 3.1 06/04/20

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

24hr

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-5986-1
Laboratory Sample Delivery Group: 214609
Client Project/Site: Myox 31 State O CTB (05.29.2021)

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

JKRAMER

Authorized for release by:
9/13/2021 3:29:30 PM

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

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

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

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Definitions/Glossary

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.2021)

Job ID: 880-5986-1
SDG: 214609

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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

Case Narrative

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.2021)

Job ID: 880-5986-1
SDG: 214609

Job ID: 880-5986-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-5986-1

Receipt
The samples were received on 9/10/2021 4:28 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 1.6°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
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-7786 and analytical batch 880-7816 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.2021)

Job ID: 880-5986-1
SDG: 214609

Client Sample ID: CS-1 (1.5-2.0')

Lab Sample ID: 880-5986-1
Matrix: Solid
Date Collected: 09/10/21 00:00
Date Received: 09/10/21 16:28

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		09/10/21 17:00	09/13/21 15:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/10/21 17:00	09/13/21 15:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/10/21 17:00	09/13/21 15:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/10/21 17:00	09/13/21 15:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/10/21 17:00	09/13/21 15:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/10/21 17:00	09/13/21 15:09	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/10/21 17:00	09/13/21 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*09/10/21 17:00*	*09/13/21 15:09*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*09/10/21 17:00*	*09/13/21 15:09*	*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		09/10/21 17:00	09/10/21 20:42	1
Diesel Range Organics (Over C10-C28)	**47.7**		49.8		mg/Kg		09/10/21 17:00	09/10/21 20:42	1
Oil Range Organics (Over C28-C36)	**49.9**		49.8		mg/Kg		09/10/21 17:00	09/10/21 20:42	1
Total TPH	**98.1**		49.8		mg/Kg		09/10/21 17:00	09/10/21 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*09/10/21 17:00*	*09/10/21 20:42*	*1*
o-Terphenyl	*150*	*S1+*	*70 - 130*	*09/10/21 17:00*	*09/10/21 20:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U F1	4.98		mg/Kg			09/13/21 12:35	1

Client Sample ID: CS-2 (1.5-2.0')

Lab Sample ID: 880-5986-2
Matrix: Solid
Date Collected: 09/10/21 00:00
Date Received: 09/10/21 16:28

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/10/21 17:00	09/13/21 15:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/10/21 17:00	09/13/21 15:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/10/21 17:00	09/13/21 15:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/10/21 17:00	09/13/21 15:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/10/21 17:00	09/13/21 15:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/10/21 17:00	09/13/21 15:29	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/10/21 17:00	09/13/21 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*09/10/21 17:00*	*09/13/21 15:29*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*09/10/21 17:00*	*09/13/21 15:29*	*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		09/10/21 17:00	09/10/21 21:03	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.2021)

Job ID: 880-5986-1
SDG: 214609

Client Sample ID: CS-2 (1.5-2.0')
Date Collected: 09/10/21 00:00
Date Received: 09/10/21 16:28

Lab Sample ID: 880-5986-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/10/21 17:00	09/10/21 21:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 17:00	09/10/21 21:03	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 17:00	09/10/21 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*136*	*S1+*	*70 - 130*	*09/10/21 17:00*	*09/10/21 21:03*	*1*
o-Terphenyl	*148*	*S1+*	*70 - 130*	*09/10/21 17:00*	*09/10/21 21:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/13/21 12:52	1

Surrogate Summary

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.2021)

Job ID: 880-5986-1
SDG: 214609

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-5986-1	CS-1 (1.5-2.0')	109	78										
880-5986-2	CS-2 (1.5-2.0')	113	81										
LCS 880-2399/1-A	Lab Control Sample	108	81										
LCSD 880-2399/2-A	Lab Control Sample Dup	112	83										
MB 880-7798/5-A	Method Blank	112	79										

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-5912-A-1-E MS	Matrix Spike	98	91										
880-5912-A-1-F MSD	Matrix Spike Duplicate	101	92										
880-5986-1	CS-1 (1.5-2.0')	137 S1+	150 S1+										
880-5986-2	CS-2 (1.5-2.0')	136 S1+	148 S1+										
LCS 880-7731/2-A	Lab Control Sample	129	128										
LCSD 880-7731/3-A	Lab Control Sample Dup	124	119										
MB 880-7731/1-A	Method Blank	110	124										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.2021)

Job ID: 880-5986-1
SDG: 214609

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: LCS 880-2399/1-A
Matrix: Solid
Analysis Batch: 7814

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2399

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08832		mg/Kg		88	70 - 130		
Toluene			0.100	0.08344		mg/Kg		83	70 - 130		
Ethylbenzene			0.100	0.08674		mg/Kg		87	70 - 130		
m-Xylene & p-Xylene			0.200	0.1807		mg/Kg		90	70 - 130		
o-Xylene			0.100	0.08888		mg/Kg		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*

Lab Sample ID: LCSD 880-2399/2-A
Matrix: Solid
Analysis Batch: 7814

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2399

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09476		mg/Kg		95	70 - 130	7	35
Toluene			0.100	0.09010		mg/Kg		90	70 - 130	8	35
Ethylbenzene			0.100	0.08994		mg/Kg		90	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.1933		mg/Kg		97	70 - 130	7	35
o-Xylene			0.100	0.09542		mg/Kg		95	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*

Lab Sample ID: MB 880-7798/5-A
Matrix: Solid
Analysis Batch: 7814

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7798

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/13/21 09:54	09/13/21 14:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/13/21 09:54	09/13/21 14:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/13/21 09:54	09/13/21 14:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/13/21 09:54	09/13/21 14:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/13/21 09:54	09/13/21 14:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/13/21 09:54	09/13/21 14:06	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/13/21 09:54	09/13/21 14:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*09/13/21 09:54*	*09/13/21 14:06*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*09/13/21 09:54*	*09/13/21 14:06*	*1*

QC Sample Results

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.2021)

Job ID: 880-5986-1
SDG: 214609

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

Lab Sample ID: MB 880-7731/1-A
Matrix: Solid
Analysis Batch: 7725

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7731

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/10/21 09:14	09/10/21 11:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/10/21 09:14	09/10/21 11:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 09:14	09/10/21 11:30	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 09:14	09/10/21 11:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*09/10/21 09:14*	*09/10/21 11:30*	*1*
o-Terphenyl	*124*		*70 - 130*	*09/10/21 09:14*	*09/10/21 11:30*	*1*

Lab Sample ID: LCS 880-7731/2-A
Matrix: Solid
Analysis Batch: 7725

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 7731

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1188		mg/Kg		119	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1288		mg/Kg		129	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*129*		*70 - 130*
o-Terphenyl	*128*		*70 - 130*

Lab Sample ID: LCSD 880-7731/3-A
Matrix: Solid
Analysis Batch: 7725

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7731

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1167		mg/Kg		117	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1252		mg/Kg		125	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*124*		*70 - 130*
o-Terphenyl	*119*		*70 - 130*

Lab Sample ID: 880-5912-A-1-E MS
Matrix: Solid
Analysis Batch: 7725

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 7731

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	831.4		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	997	987.1		mg/Kg		97	70 - 130		

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QC Sample Results

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.2021)

Job ID: 880-5986-1
SDG: 214609

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

Lab Sample ID: 880-5912-A-1-E MS
Matrix: Solid
Analysis Batch: 7725

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 7731

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	91		70 - 130

Lab Sample ID: 880-5912-A-1-F MSD
Matrix: Solid
Analysis Batch: 7725

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 7731

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	<49.8	U	999	842.6		mg/Kg		84	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	1011		mg/Kg		99	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	92		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-7786/1-A
Matrix: Solid
Analysis Batch: 7816

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/13/21 12:19	1

Lab Sample ID: LCS 880-7786/2-A
Matrix: Solid
Analysis Batch: 7816

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	260.3		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-7786/3-A
Matrix: Solid
Analysis Batch: 7816

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	259.1		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-5986-1 MS
Matrix: Solid
Analysis Batch: 7816

Client Sample ID: CS-1 (1.5-2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	<4.98	U F1	249	288.3	F1	mg/Kg		115	90 - 110

QC Sample Results

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.2021)

Job ID: 880-5986-1
SDG: 214609

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-5986-1 MSD
Matrix: Solid
Analysis Batch: 7816

Client Sample ID: CS-1 (1.5-2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<4.98	U F1	249	281.4	F1	mg/Kg		113	90 - 110	2	20

QC Association Summary

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.2021)

Job ID: 880-5986-1
SDG: 214609

GC VOA

Prep Batch: 2399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-2399/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2399/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 7754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5986-1	CS-1 (1.5-2.0')	Total/NA	Solid	5035	
880-5986-2	CS-2 (1.5-2.0')	Total/NA	Solid	5035	

Prep Batch: 7798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-7798/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 7814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5986-1	CS-1 (1.5-2.0')	Total/NA	Solid	8021B	7754
880-5986-2	CS-2 (1.5-2.0')	Total/NA	Solid	8021B	7754
MB 880-7798/5-A	Method Blank	Total/NA	Solid	8021B	7798
LCS 880-2399/1-A	Lab Control Sample	Total/NA	Solid	8021B	2399
LCSD 880-2399/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2399

GC Semi VOA

Analysis Batch: 7725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5986-1	CS-1 (1.5-2.0')	Total/NA	Solid	8015B NM	7731
880-5986-2	CS-2 (1.5-2.0')	Total/NA	Solid	8015B NM	7731
MB 880-7731/1-A	Method Blank	Total/NA	Solid	8015B NM	7731
LCS 880-7731/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7731
LCSD 880-7731/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7731
880-5912-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	7731
880-5912-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	7731

Prep Batch: 7731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5986-1	CS-1 (1.5-2.0')	Total/NA	Solid	8015NM Prep	
880-5986-2	CS-2 (1.5-2.0')	Total/NA	Solid	8015NM Prep	
MB 880-7731/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7731/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7731/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-5912-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-5912-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 7786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5986-1	CS-1 (1.5-2.0')	Soluble	Solid	DI Leach	
880-5986-2	CS-2 (1.5-2.0')	Soluble	Solid	DI Leach	
MB 880-7786/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7786/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7786/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-5986-1 MS	CS-1 (1.5-2.0')	Soluble	Solid	DI Leach	

QC Association Summary

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.2021)

Job ID: 880-5986-1
SDG: 214609

HPLC/IC (Continued)

Leach Batch: 7786 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5986-1 MSD	CS-1 (1.5-2.0')	Soluble	Solid	DI Leach	

Analysis Batch: 7816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5986-1	CS-1 (1.5-2.0')	Soluble	Solid	300.0	7786
880-5986-2	CS-2 (1.5-2.0')	Soluble	Solid	300.0	7786
MB 880-7786/1-A	Method Blank	Soluble	Solid	300.0	7786
LCS 880-7786/2-A	Lab Control Sample	Soluble	Solid	300.0	7786
LCSD 880-7786/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7786
880-5986-1 MS	CS-1 (1.5-2.0')	Soluble	Solid	300.0	7786
880-5986-1 MSD	CS-1 (1.5-2.0')	Soluble	Solid	300.0	7786

Lab Chronicle

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.2021)

Job ID: 880-5986-1
SDG: 214609

Client Sample ID: CS-1 (1.5-2.0')

Lab Sample ID: 880-5986-1
Matrix: Solid
Date Collected: 09/10/21 00:00
Date Received: 09/10/21 16:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	7754	09/10/21 17:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7814	09/13/21 15:09	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7731	09/10/21 17:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7725	09/10/21 20:42	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7786	09/13/21 07:47	SC	XEN MID
Soluble	Analysis	300.0		1			7816	09/13/21 12:35	CH	XEN MID

Client Sample ID: CS-2 (1.5-2.0')

Lab Sample ID: 880-5986-2
Matrix: Solid
Date Collected: 09/10/21 00:00
Date Received: 09/10/21 16:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	7754	09/10/21 17:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7814	09/13/21 15:29	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7731	09/10/21 17:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7725	09/10/21 21:03	AM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7786	09/13/21 07:47	SC	XEN MID
Soluble	Analysis	300.0		1			7816	09/13/21 12:52	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
Job ID: 880-5986-1
Project/Site: Myox 31 State O CTB (05.29.2021)
SDG: 214609

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
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.2021)

Job ID: 880-5986-1
SDG: 214609

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (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.

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: Myox 31 State O CTB (05.29.2021)

Job ID: 880-5986-1
SDG: 214609

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-5986-1	CS-1 (1.5-2.0')	Solid	09/10/21 00:00	09/10/21 16:28
880-5986-2	CS-2 (1.5-2.0')	Solid	09/10/21 00:00	09/10/21 16:28

NTG ENVIRONMENTAL

Chain of Custody

880-5986 Chain of Custody

Order No: 5986

Page _____ of _____

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 88256
Phone.	432-312-7736 Email	jacquiharris@conocophillips.com	

Work Order Comments

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

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Myox 31 State O CTB (05 29 2021)	Turn Around	
Project Number:	214609	☐ Routine ☑ Rush	
Project Location	Eddy Co, NM	Due Date	24Hrs
Sampler's Name:	CM	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice.	(Yes) No
Received Intact:	(Yes) No	Thermometer ID	TP-8
Cooler Custody Seals.	Yes No (N/A)	Correction Factor:	+0.5
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	1.1
Total Containers.		Corrected Temperature.	1.6

Preservative Codes

None NO — DI Water H_2O

Cool Cool — MeOH Me

HCL HC — HNO_3. HN

H_2S0_4. H_2 — NaOH Na

H_3PO_4 HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD
CS-1 (1 5-2 0')	9/10/2021		X		C	1		X	X	X	
CS-2 (1 5-2 0')	9/10/2021		X		C	1		X	X	X	

ANALYSIS REQUEST — Parameters

Sample Comments

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			2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

NTG ENVIRONMENTAL

Chain of Custo

880-5986 Chain of Custody

rder No: 5986

Page _____ of _____

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 88256
Phone.	432-312-7736	Email:	jacquiharris@conocophillips com

Work Order Comments

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

State of Project·

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

Deliverables EDD ☐ ADaPT ☐ Other·

Project Name	Myox 31 State O CTB (05 29 2021)	Turn Around	
Project Number·	214609	☐ Routine ☑ Rush	
Project Location	Eddy Co, NM	Due Date	24Hrs
Sampler's Name·	CM	TAT starts the day received by the lab, if received by 4·30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice.	(Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR-8
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	+0.5
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	1.1
Total Containers		Corrected Temperature.	1.6

Preservative Codes

None NO — DI Water· H_2O

Cool Cool — MeOH Me

HCL. HC — HNO_3. HN

H_2S0_4 H_2 — NaOH Na

H_3PO_4 HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
CS-1 (1 5-2 0')	9/10/2021		X		C	1		X	X	X		
CS-2 (1 5-2 0')	9/10/2021		X		C	1		X	X	X		

Additoinal Comments:

Relinquished by (Signature)	Received by· (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1			2		
3		9/10/21 1628	4		
5			6		

Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-5986-1
SDG Number: 214609

Login Number: 5986
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.	True	
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	

State of New Mexico
Oil Conservation Division

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: Jacqui 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: Robert Hamlet Date: _____

Printed Name: _____ Title: _____

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 53212

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 53212
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2116529154 MYOX STATE 31 O CTB, thank you. This closure is approved.	2/10/2022