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*Site Information*

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**Closure Report**  
**SRO State #59 (12.03.21)**  
**Eddy County, New Mexico**  
**Unit M Sec02 T26S R28E**  
**32.0653°, -104.0635°**  
**Incident ID: NAPP2135430959**

**Crude Oil Release**  
**Source: Flare fire from an overflow of oil in heater treater**  
**Release Date: 12.03.21**  
**Volume Released: 0.6 bbls/Oil**  
**Volume Recovered: 0 bbls**

**Prepared for:**  
**Concho Operating, LLC**  
**15 West London Rd**  
**Loving, NM 88256**

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



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APPENDIX C	LABORATORY ANALYTICAL REPORTS



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

January 27, 2022

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

**Re: Closure Report**  
**SRO State #59 (12.03.21)**  
**Concho Operating, LLC**  
**Site Location: Unit M, S02, T26S, R28E**  
**(Lat 32.0653°, Long -104.0635°)**  
**Eddy County, New Mexico**

Mr. Bratcher:

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 the SRO State #59 (12.03.21). The site is located at 32.0653°, -104.0635° within Unit M, S2, T26S, R28E, and approximately 11.11 miles south 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 December 3, 2021, due to a flare fire from an oil overflow in the heater treater. Approximately zero point six (0.6) barrels of oil were released, and zero (0) barrels were recovered. The impacted area measured approximately 30' x 15', 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, no known water sources are within a 0.50-mile radius of the location. The closest well is located approximately 0.64 miles Northeast of the site in S2, T26S, R28E. The well has a reported depth to groundwater of 120' feet below ground surface (ft bgs). A copy of the associated *Point of Diversion* 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 December 14, 2021, NTGE conducted site assessment activities to assess soil impacts resulting from the release. A total of five (5) sample points were advanced to depths ranging surface – 1.5 ft bgs within and surrounding the release area to assess the vertical and horizontal. The soil sample locations are shown on Figure 3.

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

The area of S-1 had chloride concentrations of 803 mg/kg at a depth from surface to 1.0' below surface and 126 mg/kg at a depth of 1.0'-1.5' below surface. S-1 also showed high TPH concentrations of 2,720 mg/kg and 181 mg/kg at a surface depth to 1.5 below surface. The area of H-1 showed a high TPH concentration of 177 mg/kg at a depth of surface to 0.5' below surface. Refer to Table 1.

### **Remediation Activities and Confirmation Sampling**

New Tech Global Environmental personnel were onsite from January 24-25, 2021, supervising the remediation activities and collecting confirmation samples. The area of S-1 was excavated to a depth of 1.5' below surface, and the area of H-1 was extended to remove impacted soils.

A total of four (4) confirmation samples were collected (CS-1 through CS-4), 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 at Eurofins Laboratories in Midland, Texas for total petroleum hydrocarbons (TPH) by EPA method 8015 modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 2. The excavation depths and confirmation sample locations are shown in Figure 4.

All the final confirmation samples were below 19.15.29.12 NMAC criteria.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 75 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 COG 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

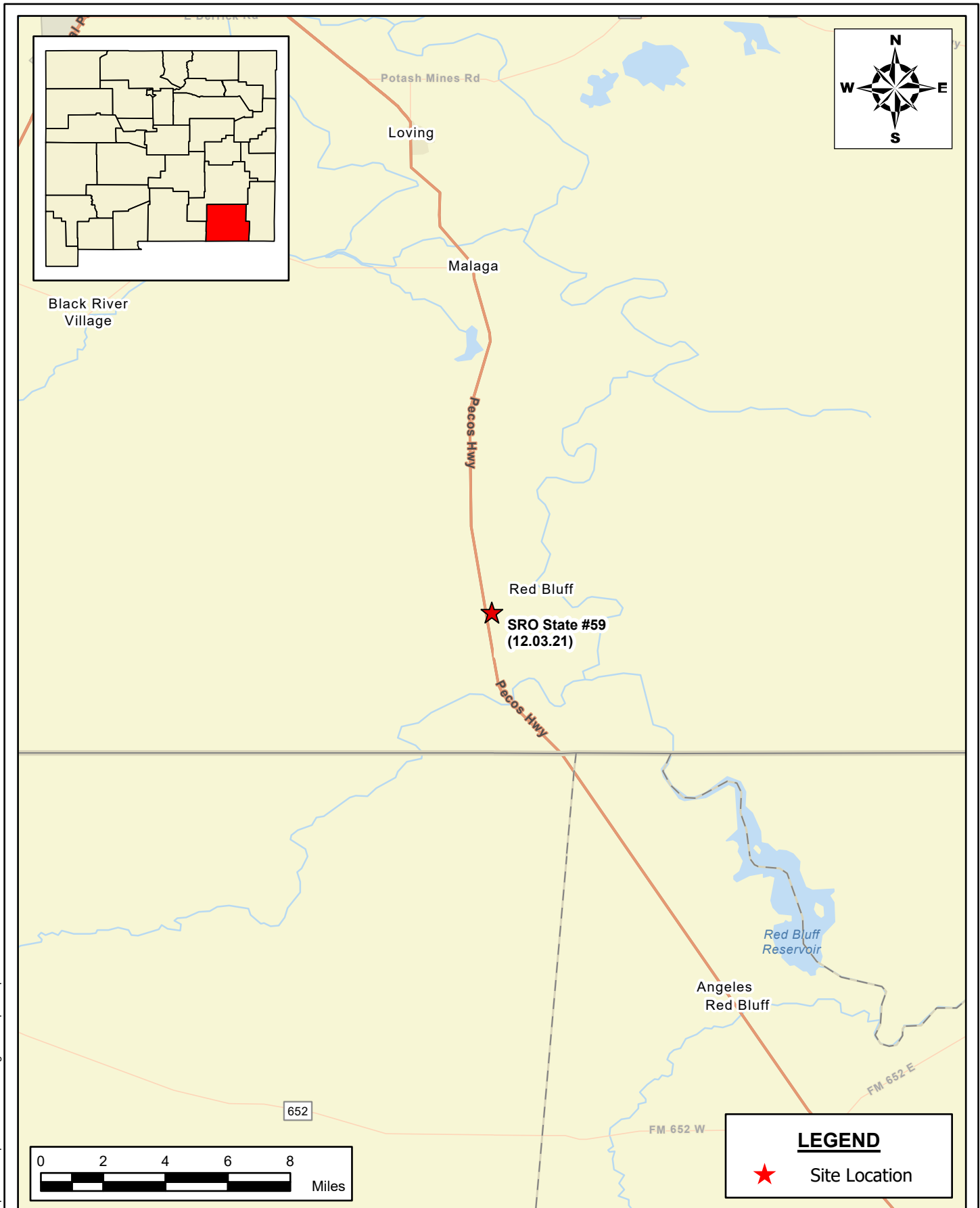


Ashton Thielke  
Project Manager





## *Figures*



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**SITE LOCATION MAP**  
**COG OPERATING, LLC**  
 SRO STATE #59 (12.03.21)  
 EDDY COUNTY, NEW MEXICO  
 32.0653, -104.0635

SCALE: As Shown    Date: 12/15/2021    PROJECT #: 214976



**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:**

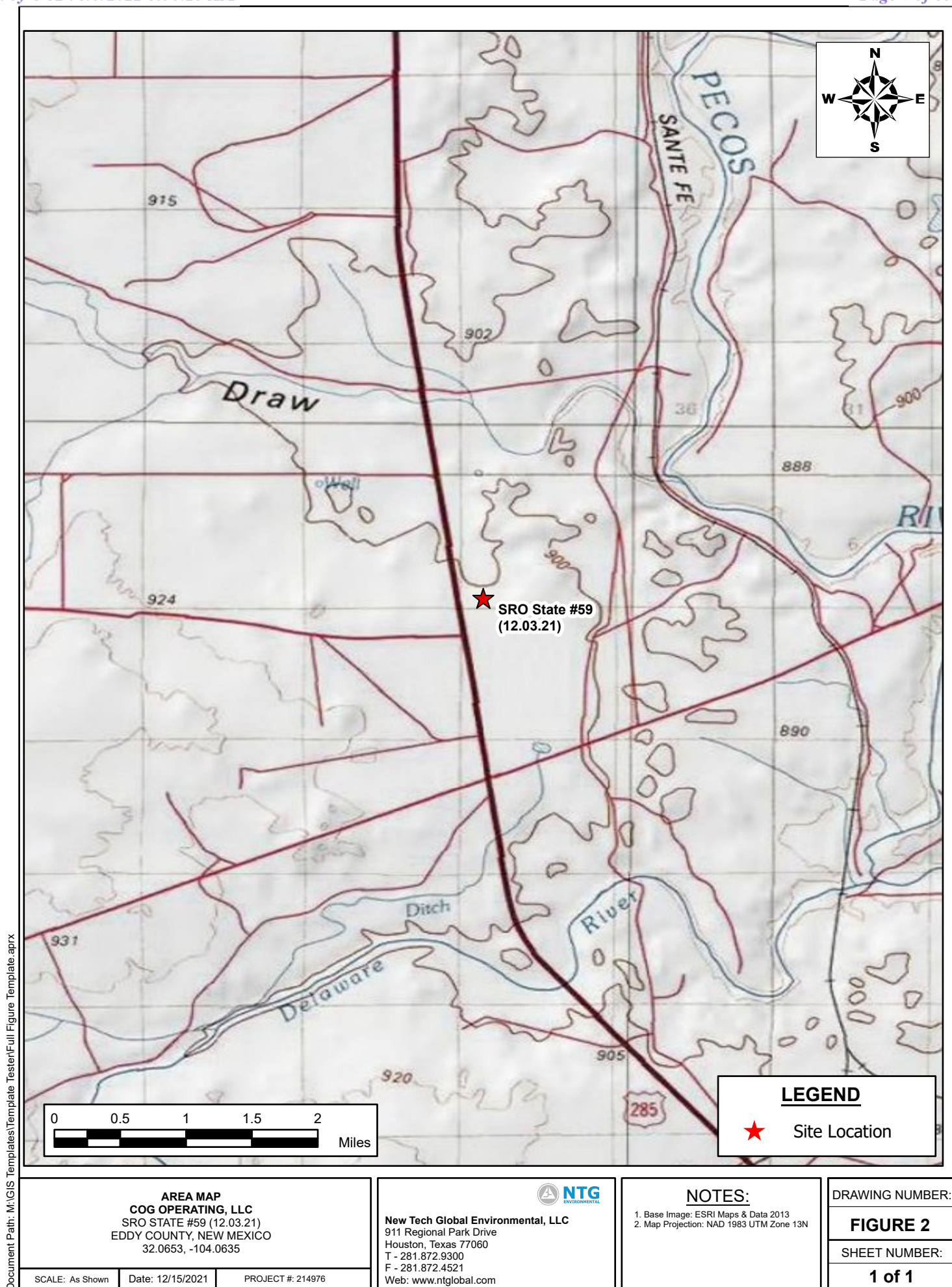
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2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

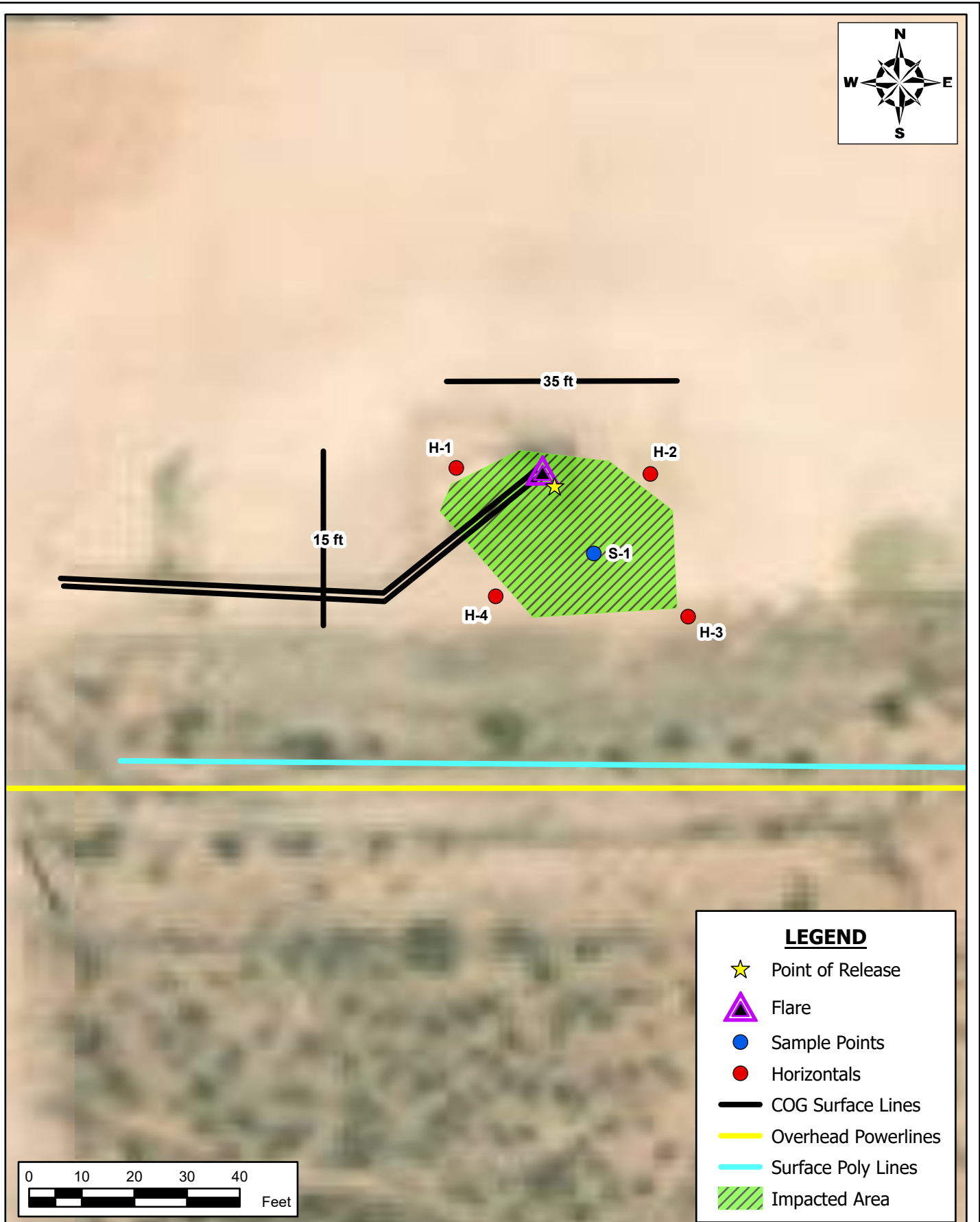
**FIGURE 1**

SHEET NUMBER:

**1 of 1**



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**SAMPLE LOCATION MAP**  
**COG OPERATING, LLC**  
 SRO STATE #59 (12.03.21)  
 EDDY COUNTY, NEW MEXICO  
 32.0653, -104.0635

SCALE: As Shown

Date: 1/27/2022

PROJECT #: 214976



**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:

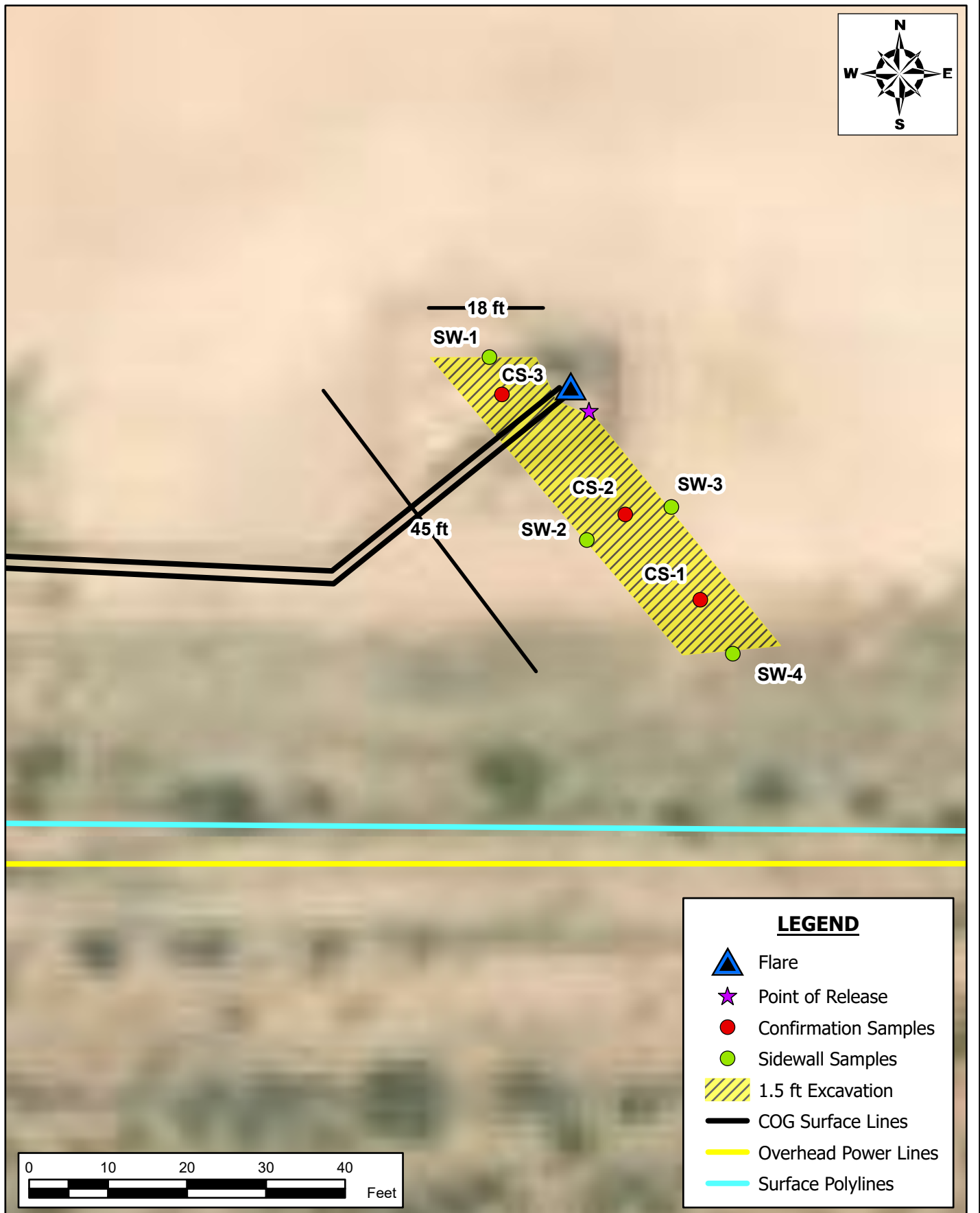
**FIGURE 3**

SHEET NUMBER:

**1 of 1**



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**EXCAVATION DEPTH MAP**  
**CIMAREX ENERGY CO.**  
 MARQUARDT FEDERAL 15H 16H  
 EDDY COUNTY, NEW MEXICO  
 32.152082, -104.250243

SCALE: As Shown

Date: 1/28/2022

PROJECT #: 214976



**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 4**

SHEET NUMBER:

**1 of 1**



## *Tables*

**Table 1**  
**COG Operating, LLC**  
**SRO State #59 (12.03.21)**  
**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						
<b>S-1</b>	12/14/2021	0-1'	<49.9	<b>2,720</b>	<49.9	<b>2,720</b>	0.00207	0.00756	<0.00200	0.00737	0.0170	<b>803</b>
	"	1-1.5'	<50.0	<b>181</b>	<50.0	<b>181</b>	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	126
<b>H-1</b>	12/14/2021	0-0.5'	<50.0	<b>177</b>	<50.0	<b>177</b>	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	103
<b>H-2</b>	12/14/2021	0-0.5'	<49.8	73.7	<49.8	73.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	105
<b>H-3</b>	12/14/2021	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	12.5
<b>H-4</b>	12/14/2021	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	11.0
<b>Regulatory Limits</b>						<b>100 mg/kg</b>	<b>10 mg/kg</b>	-	-	-	<b>50 mg/kg</b>	<b>600 mg/kg</b>

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

 Removed

**Table 2**  
**COG Operating, LLC**  
**SRO State #59 (12.03.21)**  
**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						
<b>CS-1</b>	1/25/2022	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.96
<b>CS-2</b>	1/25/2022	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.03
<b>CS-3</b>	1/25/2022	1.5'	<50.0	94.9	<50.0	94.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	8.31
<b>CS-4</b>	1/25/2022	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	101
<b>SW-1</b>	1/25/2022	-	<49.9	<49.9	<49.9	<49.9	0.00367	<0.00200	<0.00200	<0.00399	<0.00399	104
<b>SW-2</b>	1/25/2022	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	42.3
<b>SW-3</b>	1/25/2022	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	40.1
<b>SW-4</b>	1/25/2022	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	0.0167	0.0167	<5.04
<b>Regulatory Limits</b>						<b>100 mg/kg</b>	<b>10 mg/kg</b>	-	-	-	<b>50 mg/kg</b>	<b>600 mg/kg</b>

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet





## *Photo Log*

# PHOTOGRAPHIC LOG

Concho Operating, LLC

## Photograph No. 1

**Facility:** SRO State #59 (12.03.21)

**County:** Eddy County, New Mexico

**Description:**

View East, Area of CS-1 though CS-4.



## Photograph No. 2

**Facility:** SRO State #59 (12.03.21)

**County:** Eddy County, New Mexico

**Description:**

View Northeast, Area of CS-1 though CS-4.



## Photograph No. 3

**Facility:** SRO State #59 (12.03.21)

**County:** Eddy County, New Mexico

**Description:**

View East, Area of CS-1 though CS-4.





## *Appendix A*

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

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

Nature and Volume of Release

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

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

Cause of Release

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input type="checkbox"/> 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*

<input type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: _____	Title: _____
Signature: <u>Patricia Espinoza</u>	Date: _____
email: _____	Telephone: _____
<b><u>OCD Only</u></b>	
Received by: <u>Ramona Marcus</u>	Date: <u>12/20/2021</u>



## L48 Spill Volume Estimate Form

*Received by OCD: 3/3/2022 8:56:25 AM*

SRO State Com 59H

*Page 18 of 85*

Asset Area: DBWN

NAPP2135430959

Release Discovery Date &amp; Time: 12.3.21

Release Type: Oil

Provide any known details about the event: valve closed. Heater filled up and sent oil to flare

## Spill Calculation - Subsurface Spill - Rectangle

Was the release on pad or off-pad?

See reference table below

Has it rained at least a half inch in the last 24 hours?

See reference table below

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	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	37.0	30.0	2.00	10.50%	32.930	3.458			
Rectangle B					0.000	0.000			
Rectangle C					0.000	0.000			
Rectangle D					0.000	0.000			
Rectangle E					0.000	0.000			
Rectangle F					0.000	0.000			
Rectangle G					0.000	0.000			
Rectangle H					0.000	0.000			
Rectangle I					0.000	0.000			
					0.000	0.000			
Total Volume Release:						3.458			

*Released to Imaging: 3/9/2022 2:30:12 PM*

**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 67926

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 67926
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	12/20/2021

Incident ID	
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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



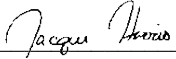
State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature:  Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: Jacqueline Nobui Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Closure Approved by: Jennifer Nobui Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_



## *Appendix B*

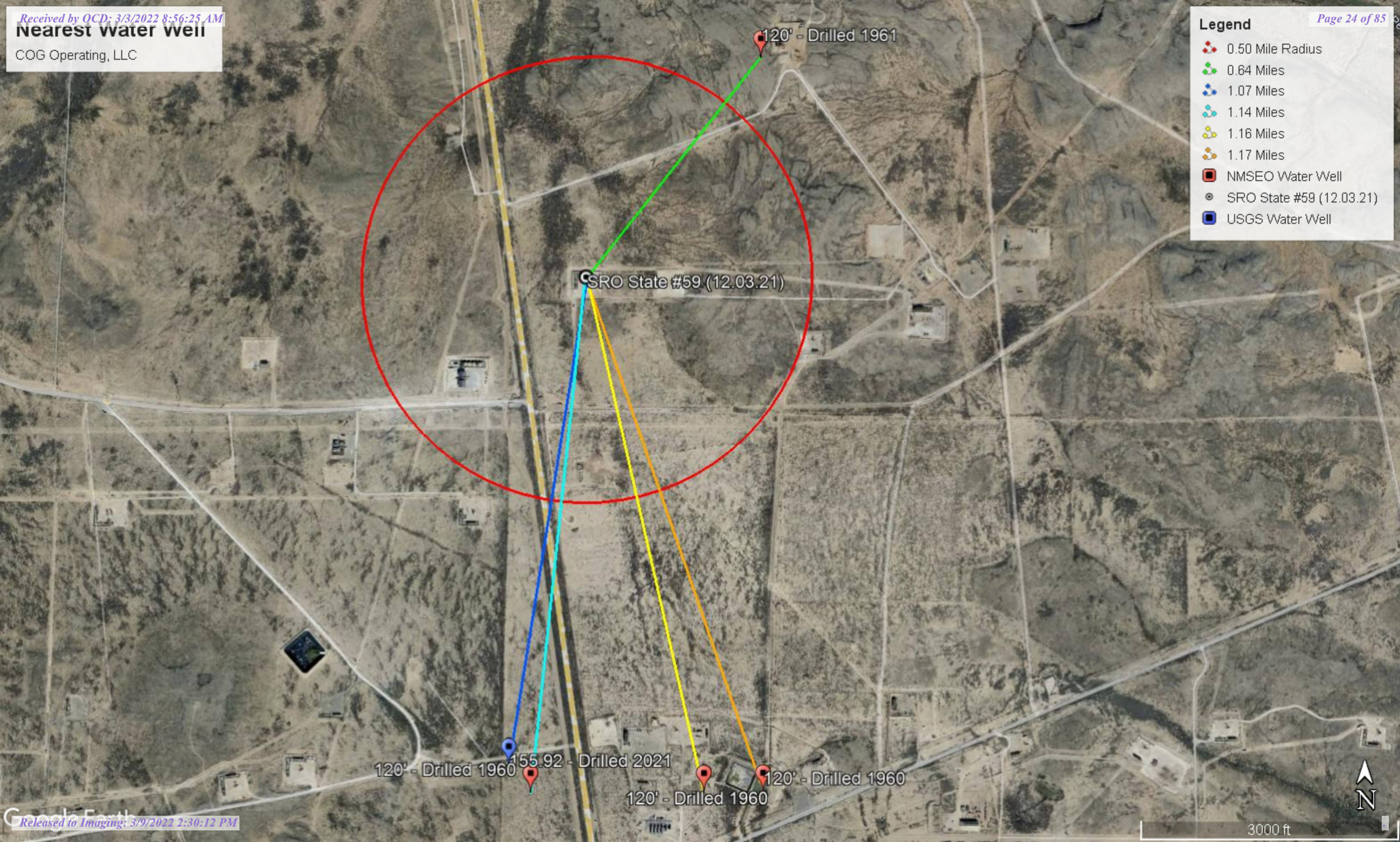


**Nearest water well**

COG Operating, LLC

**Legend**

- 0.50 Mile Radius
- 0.64 Miles
- 1.07 Miles
- 1.14 Miles
- 1.16 Miles
- 1.17 Miles
- NMSEO Water Well
- SRO State #59 (12.03.21)
- USGS Water Well







**Medium Karst**

COG Operating, LLC

**Legend**

-  MEDIUM
-  SRO State #59 (12.03.21)

SRO State #59 (12.03.21)



3000 ft



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 02924</a>	C	ED		1	3	2	11	26S	28E	589032	3547451*	879			
<a href="#">C 02160 S9</a>	CUB	ED		3	3	2	02	26S	28E	589020	3548868*	1020	300	120	180
<a href="#">C 02479</a>	CUB	ED		4	4	10	26S	28E	587909	3546534*	1601	200			
<a href="#">C 02480</a>	CUB	ED		4	4	10	26S	28E	587909	3546534*	1601	150			
<a href="#">C 02160 S5</a>	CUB	ED		1	1	1	14	26S	28E	588225	3546237*	1830	300	120	180
<a href="#">C 02160 S3</a>	CUB	ED		2	2	1	14	26S	28E	588834	3546241*	1869	300	120	180
<a href="#">C 02160 S4</a>	CUB	ED		2	2	1	14	26S	28E	588834	3546241*	1869	300	120	180
<a href="#">C 02481</a>	CUB	ED		1	1	1	14	26S	28E	588326	3546138*	1922	200		
<a href="#">C 02160 S</a>	CUB	ED		1	1	2	14	26S	28E	589043	3546244*	1926	300	120	180
<a href="#">C 02160 S2</a>	CUB	ED		1	1	2	14	26S	28E	589043	3546244*	1926	300	120	180

Average Depth to Water: **120 feet**

Minimum Depth: **120 feet**

Maximum Depth: **120 feet**

**Record Count:** 10

**UTM NAD83 Radius Search (in meters):**

**Easting (X):** 588397.13

**Northing (Y):** 3548059.12

**Radius:** 2000

\*UTM location was derived from PLSS - see Help

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

12/12/21 7:00 PM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# New Mexico Office of the State Engineer

## Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE)						(NAD83 UTM in meters)	
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 02160 S9	3	3	2	02	26S	28E	589020	3548868*
<b>Driller License:</b>		<b>Driller Company:</b>							
<b>Driller Name:</b> HEMLER									
<b>Drill Start Date:</b>		<b>Drill Finish Date:</b>				<b>Plug Date:</b>			
<b>Log File Date:</b>		<b>PCW Rev Date:</b>				<b>Source:</b> Shallow			
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>				<b>Estimated Yield:</b>			
<b>Casing Size:</b>		<b>Depth Well:</b> 300 feet				<b>Depth Water:</b> 120 feet			

\*UTM location was derived from PLSS - see Help

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

12/12/21 7:01 PM

POINT OF DIVERSION SUMMARY





# 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)

<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
C	02160 S	1	1	2	14	26S	28E	589043	3546244*

**Driller License:****Driller Company:****Driller Name:** HEMLER**Drill Start Date:****Drill Finish Date:** 01/01/1960**Plug Date:****Log File Date:****PCW Rev Date:****Source:** Shallow**Pump Type:****Pipe Discharge Size:****Estimated Yield:****Casing Size:****Depth Well:** 300 feet**Depth Water:** 120 feet**Meter Number:** 3534**Meter Make:** MCC**Meter Serial Number:** 06-04-12150**Meter Multiplier:** 1.0000**Number of Dials:** 2**Meter Type:** Diversion**Unit of Measure:** Acre-Feet**Return Flow Percent:****Usage Multiplier:****Reading Frequency:****Meter Readings (in Acre-Feet)**

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
09/25/2000	2000	14	A	ms		0
10/19/2000	2000	15	A	mb		0.523
01/05/2001	2000	17	A	ms		2.257
04/26/2001	2001	31	A	ms		13.708
07/20/2001	2001	45	A	ms		14.493
04/01/2003	2002	45	A	RPT		0
06/03/2003	2003	77	A	ms		31.846
10/29/2003	2003	80	A	TW		2.566
01/06/2004	2003	82	A	ab		2.034
04/28/2004	2004	89	A	TW		6.650
07/14/2004	2004	97	A	TW		8.845
10/20/2004	2004	9	R	TW	Meter Rollover	11.404
01/03/2005	2004	24	A	TW		15.167
03/30/2005	2005	29	A	JW		5.431
07/06/2005	2005	33	A	JW		3.347
10/18/2005	2005	33	A	TW		0
01/05/2006	2005	33	A	TW		0
04/05/2006	2006	39	A	tw		6.600
07/06/2006	2006	46	A	tw		6.553
07/06/2006	2006	52	A	tw		6.553
01/04/2007	2006	52	A	tw		0
04/27/2007	2007	56	A	tw		3.558
07/03/2007	2007	60	A	tw		3.558
10/14/2007	2007	64	A	tw		4.119
01/02/2008	2007	68	A	tw		4.494



01/03/2008	2008	0	A	tw	0
04/15/2008	2008	8	A	tw	7.717
07/16/2008	2008	17	A	tw	9.268
10/02/2008	2008	24	A	tw	7.351
01/14/2009	2008	37	A	tw	12.597
04/15/2009	2009	50	A	tw	13.078
06/07/2009	2009	56	A	tw	5.954
01/06/2010	2009	80	A	tw	23.966
05/13/2010	2010	11	R	tw	Meter Rollover 31.274
12/28/2010	2010	9	R	tw	Meter Rollover 97.479
09/20/2011	2011	39	A	tw	29.864
01/04/2012	2011	65	A	tw	25.958
03/12/2012	2012	65	A	tw	0.724

---

**YTD Meter Amounts:	Year	Amount
	2000	2.780
	2001	28.201
	2002	0
	2003	36.446
	2004	42.066
	2005	8.778
	2006	19.706
	2007	15.729
	2008	36.933
	2009	42.998
	2010	128.753
	2011	55.822
	2012	0.724

---

\*UTM location was derived from PLSS - see Help

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12/12/21 7:15 PM

POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(NAD83 UTM in meters)	
		(quarters are smallest to largest)							
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
C	02160 S3	2	2	1	14	26S	28E	588834	3546241*
<b>Driller License:</b>		<b>Driller Company:</b>							
<b>Driller Name:</b>		HEMLER							
<b>Drill Start Date:</b>		<b>Drill Finish Date:</b>				05/01/1960			
<b>Log File Date:</b>		<b>PCW Rcv Date:</b>				<b>Source:</b>			
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>				<b>Estimated Yield:</b>			
<b>Casing Size:</b>		<b>Depth Well:</b>				300 feet			
		<b>Depth Water:</b>				120 feet			

\*UTM location was derived from PLSS - see Help

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


12/12/21 7:06 PM

POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(NAD83 UTM in meters)	
		(quarters are smallest to largest)							
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
C	02160 S5	1	1	1	14	26S	28E	588225	3546237* 
<b>Driller License:</b>		<b>Driller Company:</b>							
<b>Driller Name:</b>		HEMLER							
<b>Drill Start Date:</b>		<b>Drill Finish Date:</b>		09/01/1960		<b>Plug Date:</b>			
<b>Log File Date:</b>		<b>PCW Rev Date:</b>				<b>Source:</b>			
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>				<b>Estimated Yield:</b>			
<b>Casing Size:</b>		<b>Depth Well:</b>		300 feet		<b>Depth Water:</b>			
						120 feet			

\*UTM location was derived from PLSS - see Help

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

12/12/21 7:05 PM

POINT OF DIVERSION SUMMARY



[USGS Home](#)  
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## National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:

Groundwater

Geographic Area:

New Mexico

GO



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- [Full News](#)

Groundwater levels for New Mexico



Click to hide state-specific text



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

### Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 320309104020401

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

### USGS 320309104020401 26S.28E.14.11111

Eddy County, New Mexico

Latitude 32°02'59.0", Longitude 104°03'58.7" NAD83

Land-surface elevation 2,972.00 feet above NGVD29

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

This well is completed in the Rustler Formation (312RSLR) 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 measure
1978-01-13			D 62610		2849.66	NGVD29	1	Z		
1978-01-13			D 62611		2851.23	NAVD88	1	Z		
1978-01-13			D 72019	122.34			1	Z		
1983-01-25			D 62610		2844.62	NGVD29	1	Z		
1983-01-25			D 62611		2846.19	NAVD88	1	Z		
1983-01-25			D 72019	127.38			1	Z		
1987-10-14			D 62610		2865.60	NGVD29	1	Z		
1987-10-14			D 62611		2867.17	NAVD88	1	Z		
1987-10-14			D 72019	106.40			1	Z		
1993-01-05			D 62610		2871.58	NGVD29	1	S		
1993-01-05			D 62611		2873.15	NAVD88	1	S		
1993-01-05			D 72019	100.42			1	S		
1998-01-22			D 62610		2875.45	NGVD29	1	S		
1998-01-22			D 62611		2877.02	NAVD88	1	S		
1998-01-22			D 72019	96.55			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
2003-01-27		D	62610		2874.98	NGVD29	1	S	USGS	
2003-01-27		D	62611		2876.55	NAVD88	1	S	USGS	
2003-01-27		D	72019	97.02			1	S	USGS	
2013-01-09	20:30 UTC	m	62610		2832.88	NGVD29	1	S	USGS	
2013-01-09	20:30 UTC	m	62611		2834.45	NAVD88	1	S	USGS	
2013-01-09	20:30 UTC	m	72019	139.12			1	S	USGS	
2021-02-24	20:05 UTC	m	62610		2816.08	NGVD29	1	V	USGS	
2021-02-24	20:05 UTC	m	62611		2817.65	NAVD88	1	V	USGS	
2021-02-24	20:05 UTC	m	72019	155.92			1	V	USGS	

## Explanation

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

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Title: Groundwater for New Mexico: Water Levels

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

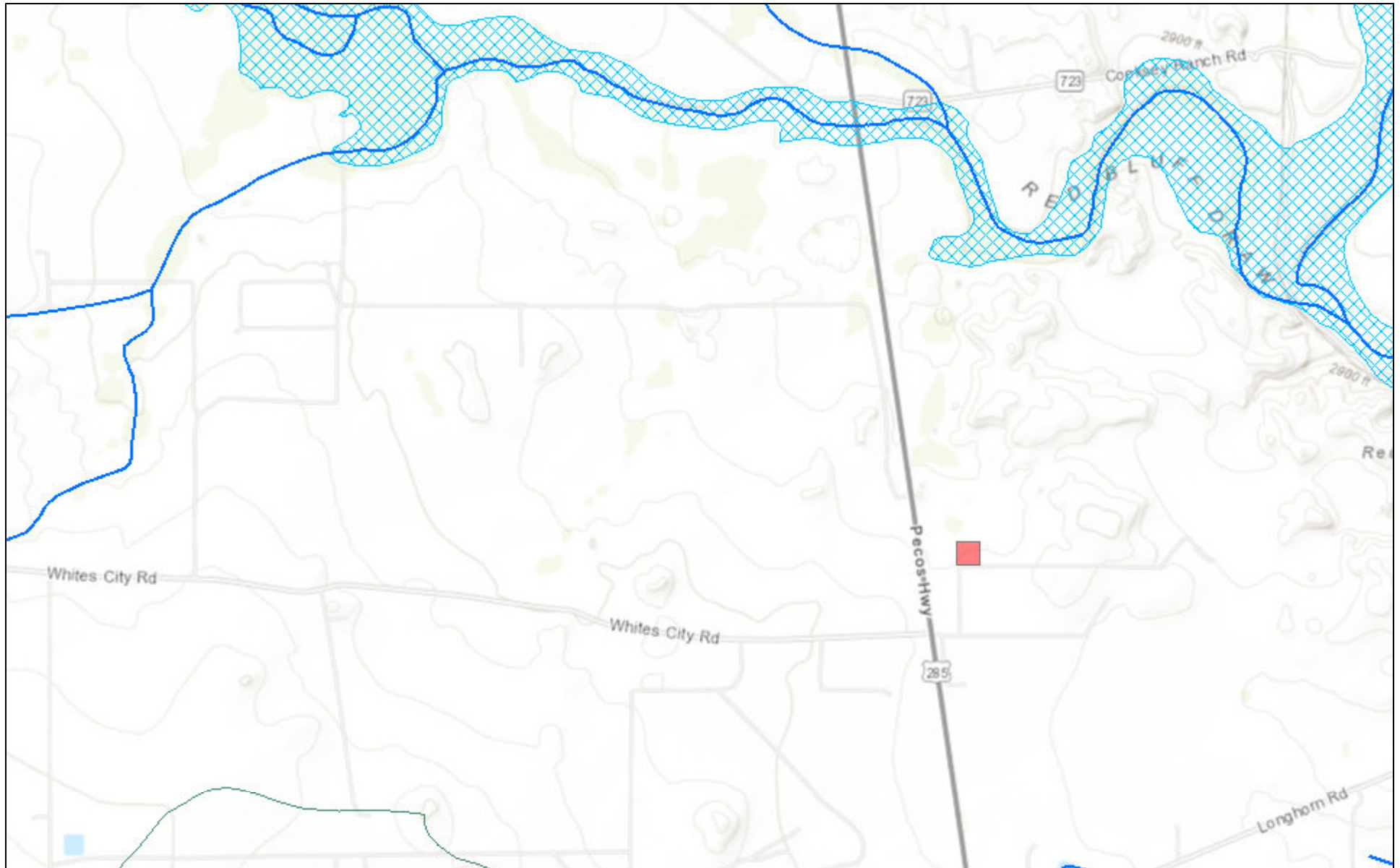


Page Contact Information: [New Mexico Water Data Maintainer](#)

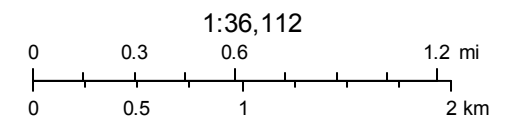
Page Last Modified: 2021-12-12 21:21:36 EST

0.29 0.25 nadww01

# New Mexico NFHL Data



December 12, 2021

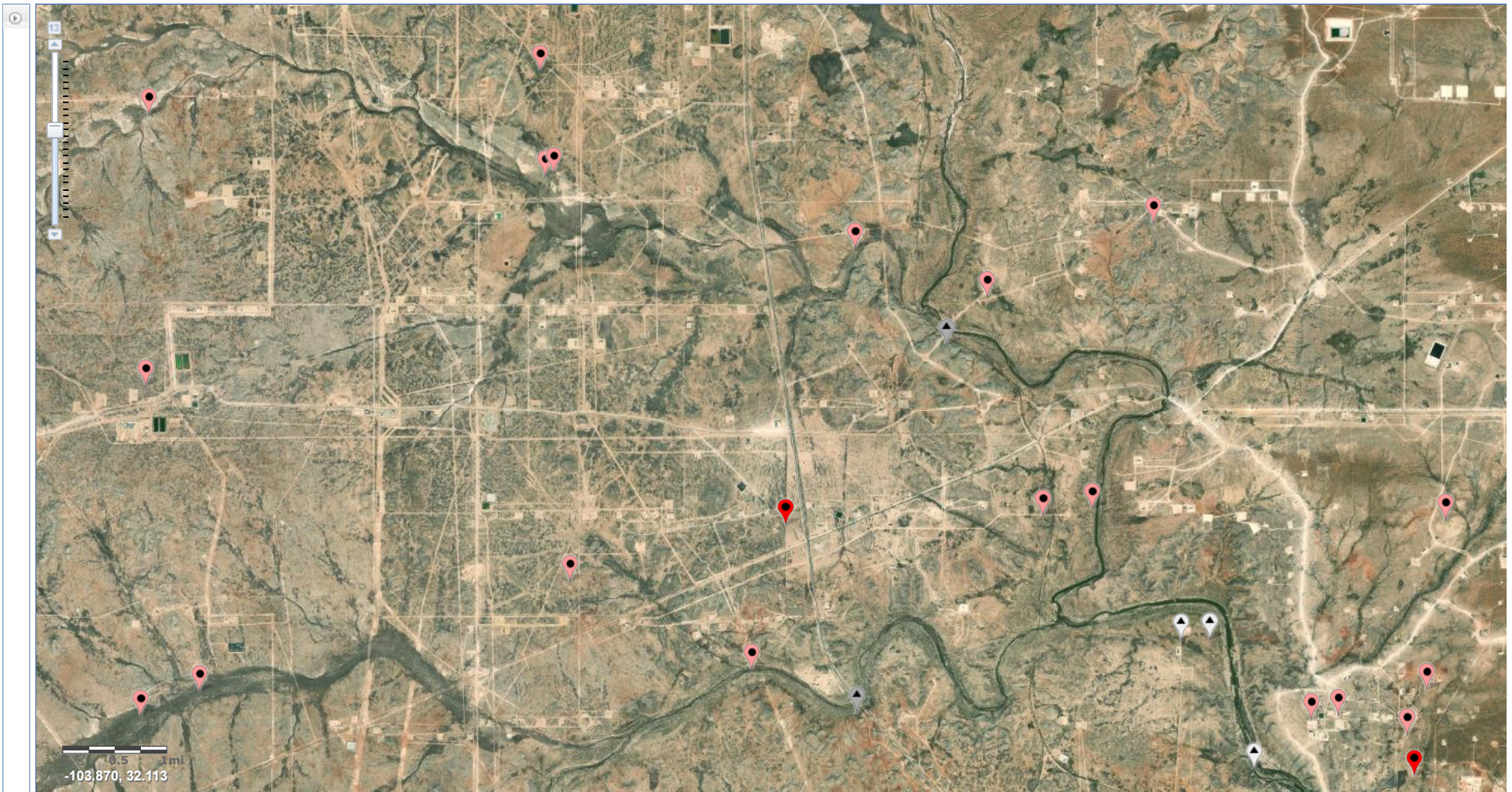


FEMA  
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,





National Water Information System: Mapper



Site Information



## *Appendix C*





## Environment Testing America

### ANALYTICAL REPORT

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

Laboratory Job ID: 880-9410-1

Laboratory Sample Delivery Group: Eddy Co, NM  
Client Project/Site: SRO State #59 (12.03.21)

**For:**

NT Global  
701 Tradewinds Blvd  
Midland, Texas 79706

Attn: Mike Carmona

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

Authorized for release by:  
12/21/2021 3:08:31 PM

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

#### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

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

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

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Laboratory Job ID: 880-9410-1  
SDG: Eddy Co, NM

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## Definitions/Glossary

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-9410-1  
SDG: Eddy Co, NM

## Qualifiers

## GC VOA

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

## Glossary

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

## Case Narrative

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-9410-1  
SDG: Eddy Co, NM

**Job ID: 880-9410-1****Laboratory: Eurofins Xenco, Midland****Narrative****Job Narrative  
880-9410-1****Receipt**

The samples were received on 12/16/2021 10:09 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 1.8°C

**GC VOA**

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-1 (0-1') (880-9410-1), (MB 880-14907/8), (MB 880-14933/5-A) and (880-9411-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

**GC Semi VOA**

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 880-14941 and analytical batch 880-15074 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: SRO State #59 (12.03.21)

Job ID: 880-9410-1  
SDG: Eddy Co, NM

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

Lab Sample ID: 880-9410-1

Date Collected: 12/14/21 00:00

Matrix: Solid

Date Received: 12/16/21 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00207		0.00200		mg/Kg		12/16/21 10:37	12/17/21 01:14	1
Toluene	0.00756		0.00200		mg/Kg		12/16/21 10:37	12/17/21 01:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/16/21 10:37	12/17/21 01:14	1
m-Xylene & p-Xylene	0.00737		0.00401		mg/Kg		12/16/21 10:37	12/17/21 01:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/16/21 10:37	12/17/21 01:14	1
Xylenes, Total	0.00737		0.00401		mg/Kg		12/16/21 10:37	12/17/21 01:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	12/16/21 10:37	12/17/21 01:14	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130	12/16/21 10:37	12/17/21 01:14	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0170		0.00401		mg/Kg			12/17/21 09:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2720		49.9		mg/Kg			12/21/21 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/16/21 12:00	12/16/21 12:01	1
Diesel Range Organics (Over C10-C28)	2720		49.9		mg/Kg		12/16/21 12:00	12/16/21 12:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/16/21 12:00	12/16/21 12:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				12/16/21 12:00	12/16/21 12:01	1
o-Terphenyl	101		70 - 130				12/16/21 12:00	12/16/21 12:01	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	803	F1	24.9		mg/Kg			12/19/21 22:44	5

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

Lab Sample ID: 880-9410-2

Date Collected: 12/14/21 00:00

Matrix: Solid

Date Received: 12/16/21 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/16/21 10:37	12/17/21 01:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/16/21 10:37	12/17/21 01:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/16/21 10:37	12/17/21 01:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/16/21 10:37	12/17/21 01:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/16/21 10:37	12/17/21 01:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/16/21 10:37	12/17/21 01:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	12/16/21 10:37	12/17/21 01:40	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/16/21 10:37	12/17/21 01:40	1

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## Client Sample Results

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-9410-1  
SDG: Eddy Co, NM

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

Lab Sample ID: 880-9410-2

Date Collected: 12/14/21 00:00

Matrix: Solid

Date Received: 12/16/21 10:09

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/17/21 09:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	181		50.0		mg/Kg			12/21/21 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/16/21 12:00	12/16/21 12:25	1
Diesel Range Organics (Over C10-C28)	181		50.0		mg/Kg		12/16/21 12:00	12/16/21 12:25	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/16/21 12:00	12/16/21 12:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				12/16/21 12:00	12/16/21 12:25	1
o-Terphenyl	102		70 - 130				12/16/21 12:00	12/16/21 12:25	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	126		24.8		mg/Kg			12/19/21 23:04	5

## Surrogate Summary

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-9410-1  
SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-9410-1	S-1 (0-1')	122	68 S1-
880-9410-2	S-1 (1-1.5')	98	97
880-9411-A-1-C MS	Matrix Spike	82	85
880-9411-A-1-D MSD	Matrix Spike Duplicate	68 S1-	89
LCS 880-14933/1-A	Lab Control Sample	95	100
LCSD 880-14933/2-A	Lab Control Sample Dup	97	102
MB 880-14907/8	Method Blank	56 S1-	85
MB 880-14933/5-A	Method Blank	65 S1-	86
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-9101-A-1-E MS	Matrix Spike	78	84
880-9101-A-1-F MSD	Matrix Spike Duplicate	75	81
880-9410-1	S-1 (0-1')	91	101
880-9410-2	S-1 (1-1.5')	91	102
LCS 880-14906/2-A	Lab Control Sample	94	104
LCSD 880-14906/3-A	Lab Control Sample Dup	94	101
MB 880-14906/1-A	Method Blank	102	129
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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## QC Sample Results

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-9410-1  
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-14907/8

Matrix: Solid

Analysis Batch: 14907

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			12/16/21 12:24	1
Toluene	<0.00200	U	0.00200		mg/Kg			12/16/21 12:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			12/16/21 12:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			12/16/21 12:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			12/16/21 12:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			12/16/21 12:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	56	S1-	70 - 130		12/16/21 12:24	1
1,4-Difluorobenzene (Surr)	85		70 - 130		12/16/21 12:24	1

Lab Sample ID: MB 880-14933/5-A

Matrix: Solid

Analysis Batch: 14907

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14933

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/16/21 10:37	12/16/21 22:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/16/21 10:37	12/16/21 22:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/16/21 10:37	12/16/21 22:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/16/21 10:37	12/16/21 22:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/16/21 10:37	12/16/21 22:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/16/21 10:37	12/16/21 22:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130	12/16/21 10:37	12/16/21 22:59	1
1,4-Difluorobenzene (Surr)	86		70 - 130	12/16/21 10:37	12/16/21 22:59	1

Lab Sample ID: LCS 880-14933/1-A

Matrix: Solid

Analysis Batch: 14907

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14933

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1011		mg/Kg		101	70 - 130
Toluene	0.100	0.09637		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.08715		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1748		mg/Kg		87	70 - 130
o-Xylene	0.100	0.09329		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-14933/2-A

Matrix: Solid

Analysis Batch: 14907

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14933

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.1065		mg/Kg		106	70 - 130	5	35

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## QC Sample Results

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-9410-1  
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-14933/2-A

Matrix: Solid

Analysis Batch: 14907

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14933

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	0.100	0.1039		mg/Kg		104	70 - 130	8	35
Ethylbenzene	0.100	0.09500		mg/Kg		95	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.1903		mg/Kg		95	70 - 130	8	35
o-Xylene	0.100	0.1006		mg/Kg		101	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-9411-A-1-C MS

Matrix: Solid

Analysis Batch: 14907

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 14933

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F1	0.0998	0.03227	F1	mg/Kg		32	70 - 130
Toluene	<0.00199	U F1	0.0998	0.02914	F1	mg/Kg		29	70 - 130
Ethylbenzene	<0.00199	U F1	0.0998	0.02900	F1	mg/Kg		29	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.05736	F1	mg/Kg		29	70 - 130
o-Xylene	<0.00199	U F1	0.0998	0.03736	F1	mg/Kg		37	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 880-9411-A-1-D MSD

Matrix: Solid

Analysis Batch: 14907

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 14933

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0994	0.03001	F1	mg/Kg		30	70 - 130	7	35
Toluene	<0.00199	U F1	0.0994	0.02330	F1	mg/Kg		23	70 - 130	22	35
Ethylbenzene	<0.00199	U F1	0.0994	0.02249	F1	mg/Kg		23	70 - 130	25	35
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.04737	F1	mg/Kg		24	70 - 130	19	35
o-Xylene	<0.00199	U F1	0.0994	0.02791	F1	mg/Kg		28	70 - 130	29	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

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

Lab Sample ID: MB 880-14906/1-A

Matrix: Solid

Analysis Batch: 14894

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14906

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/16/21 08:22	12/16/21 09:51	1

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## QC Sample Results

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-9410-1  
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-14906/1-A

Matrix: Solid

Analysis Batch: 14894

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14906

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/16/21 08:22	12/16/21 09:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/16/21 08:22	12/16/21 09:51	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				12/16/21 08:22	12/16/21 09:51	1
o-Terphenyl	129		70 - 130				12/16/21 08:22	12/16/21 09:51	1

Lab Sample ID: LCS 880-14906/2-A

Matrix: Solid

Analysis Batch: 14894

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14906

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	897.9		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	909.9		mg/Kg		91	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	94		70 - 130				
o-Terphenyl	104		70 - 130				

Lab Sample ID: LCSD 880-14906/3-A

Matrix: Solid

Analysis Batch: 14894

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14906

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	918.7		mg/Kg		92	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1009		mg/Kg		101	70 - 130	10	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	94		70 - 130						
o-Terphenyl	101		70 - 130						

Lab Sample ID: 880-9101-A-1-E MS

Matrix: Solid

Analysis Batch: 14894

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 14906

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	996	936.0		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	996	872.8		mg/Kg		88	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	78		70 - 130						
o-Terphenyl	84		70 - 130						

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## QC Sample Results

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-9410-1  
SDG: Eddy Co, NM

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

Lab Sample ID: 880-9101-A-1-F MSD

Matrix: Solid

Analysis Batch: 14894

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 14906

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	995	1015		mg/Kg		99	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<50.0	U	995	863.6		mg/Kg		87	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	75		70 - 130								
o-Terphenyl	81		70 - 130								

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-14941/1-A

Matrix: Solid

Analysis Batch: 15074

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/19/21 22:24	1

Lab Sample ID: LCS 880-14941/2-A

Matrix: Solid

Analysis Batch: 15074

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	263.7		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-14941/3-A

Matrix: Solid

Analysis Batch: 15074

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	268.8		mg/Kg		108	90 - 110	2	20

Lab Sample ID: 880-9410-1 MS

Matrix: Solid

Analysis Batch: 15074

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	803	F1	1250	2234	F1	mg/Kg		115	90 - 110

Lab Sample ID: 880-9410-1 MSD

Matrix: Solid

Analysis Batch: 15074

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	803	F1	1250	2252	F1	mg/Kg		116	90 - 110	1	20

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## QC Association Summary

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-9410-1  
SDG: Eddy Co, NM

## GC VOA

## Analysis Batch: 14907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9410-1	S-1 (0-1')	Total/NA	Solid	8021B	14933
880-9410-2	S-1 (1-1.5')	Total/NA	Solid	8021B	14933
MB 880-14907/8	Method Blank	Total/NA	Solid	8021B	
MB 880-14933/5-A	Method Blank	Total/NA	Solid	8021B	14933
LCS 880-14933/1-A	Lab Control Sample	Total/NA	Solid	8021B	14933
LCSD 880-14933/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	14933
880-9411-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	14933
880-9411-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	14933

## Prep Batch: 14933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9410-1	S-1 (0-1')	Total/NA	Solid	5035	
880-9410-2	S-1 (1-1.5')	Total/NA	Solid	5035	
MB 880-14933/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-14933/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-14933/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-9411-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-9411-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 15042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9410-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-9410-2	S-1 (1-1.5')	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Analysis Batch: 14894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9410-1	S-1 (0-1')	Total/NA	Solid	8015B NM	14906
880-9410-2	S-1 (1-1.5')	Total/NA	Solid	8015B NM	14906
MB 880-14906/1-A	Method Blank	Total/NA	Solid	8015B NM	14906
LCS 880-14906/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14906
LCSD 880-14906/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14906
880-9101-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	14906
880-9101-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	14906

## Prep Batch: 14906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9410-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-9410-2	S-1 (1-1.5')	Total/NA	Solid	8015NM Prep	
MB 880-14906/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-14906/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14906/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-9101-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-9101-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 15281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9410-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-9410-2	S-1 (1-1.5')	Total/NA	Solid	8015 NM	

Eurofins Xenco, Midland

## QC Association Summary

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-9410-1  
SDG: Eddy Co, NM

## HPLC/IC

## Leach Batch: 14941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9410-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-9410-2	S-1 (1-1.5')	Soluble	Solid	DI Leach	
MB 880-14941/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14941/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14941/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9410-1 MS	S-1 (0-1')	Soluble	Solid	DI Leach	
880-9410-1 MSD	S-1 (0-1')	Soluble	Solid	DI Leach	

## Analysis Batch: 15074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9410-1	S-1 (0-1')	Soluble	Solid	300.0	14941
880-9410-2	S-1 (1-1.5')	Soluble	Solid	300.0	14941
MB 880-14941/1-A	Method Blank	Soluble	Solid	300.0	14941
LCS 880-14941/2-A	Lab Control Sample	Soluble	Solid	300.0	14941
LCSD 880-14941/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14941
880-9410-1 MS	S-1 (0-1')	Soluble	Solid	300.0	14941
880-9410-1 MSD	S-1 (0-1')	Soluble	Solid	300.0	14941



Lab Chronicle

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-9410-1  
SDG: Eddy Co, NM

Client Sample ID: S-1 (0-1')  
Date Collected: 12/14/21 00:00  
Date Received: 12/16/21 10:09

Lab Sample ID: 880-9410-1  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	14933	12/16/21 10:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14907	12/17/21 01:14	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15042	12/17/21 09:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1			15281	12/21/21 15:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14906	12/16/21 12:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14894	12/16/21 12:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14941	12/16/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		5			15074	12/19/21 22:44	CH	XEN MID

Client Sample ID: S-1 (1-1.5')  
Date Collected: 12/14/21 00:00  
Date Received: 12/16/21 10:09

Lab Sample ID: 880-9410-2  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	14933	12/16/21 10:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14907	12/17/21 01:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15042	12/17/21 09:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1			15281	12/21/21 15:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14906	12/16/21 12:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14894	12/16/21 12:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14941	12/16/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		5			15074	12/19/21 23:04	CH	XEN MID

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

Accreditation/Certification Summary

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-9410-1  
SDG: Eddy Co, NM

Laboratory: Eurofins Xenco, Midland

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

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

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

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

## Method Summary

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-9410-1  
SDG: Eddy Co, NM

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

**Protocol References:**

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

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

Eurofins Xenco, Midland

Sample Summary

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-9410-1  
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-9410-1	S-1 (0-1')	Solid	12/14/21 00:00	12/16/21 10:09
880-9410-2	S-1 (1-1.5')	Solid	12/14/21 00:00	12/16/21 10:09

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## Chain of Custody

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### 880-9410 Chain of Custody

Page 1 of 1

Project Manager	Mike Cammona	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/PT <input type="checkbox"/> PRP <input type="checkbox"/> brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> pST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other	

[illegible][illegible]

**Additoinal Comments:**

**Notice:** Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xencio, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xencio 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 Xencio. A minimum charge of \$35.00 will be applied to each project and a charge of \$5 for each sample submitted to Xencio, 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 Brown <i>[Signature]</i>	<i>[Signature]</i>	12/15/21 KL	2		
3 <i>[Signature]</i>		12/16/21 10:00	4		
5			6		

## Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-9410-1

SDG Number: Eddy Co, NM

Login Number: 9410

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Xenco, Midland

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



## Environment Testing America

### ANALYTICAL REPORT

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

Laboratory Job ID: 880-10601-1

Laboratory Sample Delivery Group: Eddy Co, NM  
Client Project/Site: SRO State #59 (12.03.21)

For:

NT Global  
701 Tradewinds Blvd  
Midland, Texas 79706

Attn: Mike Carmona

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

Authorized for release by:  
1/28/2022 9:03:09 AM

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

#### LINKS

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

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

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Laboratory Job ID: 880-10601-1  
SDG: Eddy Co, NM

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## Definitions/Glossary

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
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
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

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

## Glossary

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

## Case Narrative

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

**Job ID: 880-10601-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-10601-1****Receipt**

The samples were received on 1/26/2022 10:02 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C

**GC VOA**

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-2 (880-10601-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-17746 and analytical batch 880-17747 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-2 (1.5') (880-10601-2) and CS-3 (1.5') (880-10601-3). Evidence of matrix interferences is not obvious.

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

**GC Semi VOA**

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: CS-4 (1.5') (880-10601-4) and (MB 880-17828/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (MB 880-17880/1-A) and (890-1866-A-1-J MSD). Evidence of matrix interferences is not obvious.

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

**HPLC/IC**

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

## Client Sample Results

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-10601-1

Date Collected: 01/25/22 00:00

Matrix: Solid

Date Received: 01/26/22 10:02

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200		mg/Kg		01/26/22 10:15	01/26/22 12:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/26/22 10:15	01/26/22 12:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/26/22 10:15	01/26/22 12:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/26/22 10:15	01/26/22 12:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/26/22 10:15	01/26/22 12:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/26/22 10:15	01/26/22 12:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	01/26/22 10:15	01/26/22 12:14	1
1,4-Difluorobenzene (Surr)	91		70 - 130	01/26/22 10:15	01/26/22 12:14	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/28/22 09:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/27/22 13:35	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		01/26/22 16:47	01/27/22 04:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/26/22 16:47	01/27/22 04:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/26/22 16:47	01/27/22 04:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	01/26/22 16:47	01/27/22 04:30	1
o-Terphenyl	120		70 - 130	01/26/22 16:47	01/27/22 04:30	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			01/27/22 00:04	1

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-10601-2

Date Collected: 01/25/22 00:00

Matrix: Solid

Date Received: 01/26/22 10:02

## 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		01/26/22 10:15	01/26/22 12:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/26/22 10:15	01/26/22 12:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/26/22 10:15	01/26/22 12:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/26/22 10:15	01/26/22 12:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/26/22 10:15	01/26/22 12:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/26/22 10:15	01/26/22 12:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130	01/26/22 10:15	01/26/22 12:34	1
1,4-Difluorobenzene (Surr)	102		70 - 130	01/26/22 10:15	01/26/22 12:34	1

Eurofins Midland

## Client Sample Results

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-10601-2

Date Collected: 01/25/22 00:00

Matrix: Solid

Date Received: 01/26/22 10:02

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/28/22 09:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/27/22 13:35	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		01/26/22 16:47	01/27/22 04:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/26/22 16:47	01/27/22 04:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/26/22 16:47	01/27/22 04:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				01/26/22 16:47	01/27/22 04:51	1
o-Terphenyl	119		70 - 130				01/26/22 16:47	01/27/22 04:51	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	U	5.03		mg/Kg			01/27/22 00:40	1

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-10601-3

Date Collected: 01/25/22 00:00

Matrix: Solid

Date Received: 01/26/22 10:02

## 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		01/26/22 10:15	01/26/22 12:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/26/22 10:15	01/26/22 12:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/26/22 10:15	01/26/22 12:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/26/22 10:15	01/26/22 12:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/26/22 10:15	01/26/22 12:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/26/22 10:15	01/26/22 12:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130				01/26/22 10:15	01/26/22 12:55	1
1,4-Difluorobenzene (Surr)	111		70 - 130				01/26/22 10:15	01/26/22 12:55	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			01/28/22 09:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	94.9		50.0		mg/Kg			01/27/22 16:17	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		01/27/22 09:51	01/27/22 15:36	1
Diesel Range Organics (Over C10-C28)	94.9		50.0		mg/Kg		01/27/22 09:51	01/27/22 15:36	1

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## Client Sample Results

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

## Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-10601-3

Date Collected: 01/25/22 00:00

Matrix: Solid

Date Received: 01/26/22 10:02

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/27/22 09:51	01/27/22 15:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				01/27/22 09:51	01/27/22 15:36	1
o-Terphenyl	115		70 - 130				01/27/22 09:51	01/27/22 15:36	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.31		4.99		mg/Kg			01/27/22 00:52	1

## Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-10601-4

Date Collected: 01/25/22 00:00

Matrix: Solid

Date Received: 01/26/22 10:02

## 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		01/26/22 10:15	01/26/22 13:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/26/22 10:15	01/26/22 13:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/26/22 10:15	01/26/22 13:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/26/22 10:15	01/26/22 13:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/26/22 10:15	01/26/22 13:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/26/22 10:15	01/26/22 13:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				01/26/22 10:15	01/26/22 13:15	1
1,4-Difluorobenzene (Surr)	90		70 - 130				01/26/22 10:15	01/26/22 13:15	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/28/22 09:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/27/22 13:35	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		01/26/22 16:47	01/27/22 05:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/26/22 16:47	01/27/22 05:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/26/22 16:47	01/27/22 05:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				01/26/22 16:47	01/27/22 05:34	1
o-Terphenyl	136	S1+	70 - 130				01/26/22 16:47	01/27/22 05:34	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		5.01		mg/Kg			01/27/22 01:03	1

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## Client Sample Results

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

Client Sample ID: SW-1

Lab Sample ID: 880-10601-5

Date Collected: 01/25/22 00:00

Matrix: Solid

Date Received: 01/26/22 10:02

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00367		0.00200		mg/Kg		01/26/22 10:15	01/26/22 13:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/26/22 10:15	01/26/22 13:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/26/22 10:15	01/26/22 13:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/26/22 10:15	01/26/22 13:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/26/22 10:15	01/26/22 13:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/26/22 10:15	01/26/22 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	01/26/22 10:15	01/26/22 13:36	1
1,4-Difluorobenzene (Surr)	97		70 - 130	01/26/22 10:15	01/26/22 13:36	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/28/22 09:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/27/22 13:35	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		01/26/22 16:47	01/27/22 05:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/26/22 16:47	01/27/22 05:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/26/22 16:47	01/27/22 05:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	01/26/22 16:47	01/27/22 05:55	1
o-Terphenyl	126		70 - 130	01/26/22 16:47	01/27/22 05:55	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		4.98		mg/Kg			01/27/22 01:15	1

Client Sample ID: SW-2

Lab Sample ID: 880-10601-6

Date Collected: 01/25/22 00:00

Matrix: Solid

Date Received: 01/26/22 10:02

## 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		01/26/22 10:15	01/26/22 13:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/26/22 10:15	01/26/22 13:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/26/22 10:15	01/26/22 13:56	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/26/22 10:15	01/26/22 13:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/26/22 10:15	01/26/22 13:56	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/26/22 10:15	01/26/22 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	01/26/22 10:15	01/26/22 13:56	1
1,4-Difluorobenzene (Surr)	105		70 - 130	01/26/22 10:15	01/26/22 13:56	1

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## Client Sample Results

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

Client Sample ID: SW-2

Lab Sample ID: 880-10601-6

Date Collected: 01/25/22 00:00

Matrix: Solid

Date Received: 01/26/22 10:02

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/28/22 09:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/27/22 13:35	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		01/26/22 16:47	01/27/22 06:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/26/22 16:47	01/27/22 06:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/26/22 16:47	01/27/22 06:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				01/26/22 16:47	01/27/22 06:16	1
o-Terphenyl	112		70 - 130				01/26/22 16:47	01/27/22 06:16	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.3		4.97		mg/Kg			01/27/22 01:51	1

Client Sample ID: SW-3

Lab Sample ID: 880-10601-7

Date Collected: 01/25/22 00:00

Matrix: Solid

Date Received: 01/26/22 10:02

## 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		01/26/22 10:15	01/26/22 14:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/26/22 10:15	01/26/22 14:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/26/22 10:15	01/26/22 14:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/26/22 10:15	01/26/22 14:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/26/22 10:15	01/26/22 14:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/26/22 10:15	01/26/22 14:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				01/26/22 10:15	01/26/22 14:17	1
1,4-Difluorobenzene (Surr)	99		70 - 130				01/26/22 10:15	01/26/22 14:17	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/28/22 09:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/27/22 13:35	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		01/26/22 16:47	01/27/22 06:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/26/22 16:47	01/27/22 06:38	1

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## Client Sample Results

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

## Client Sample ID: SW-3

Lab Sample ID: 880-10601-7

Date Collected: 01/25/22 00:00

Matrix: Solid

Date Received: 01/26/22 10:02

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/26/22 16:47	01/27/22 06:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				01/26/22 16:47	01/27/22 06:38	1
o-Terphenyl	127		70 - 130				01/26/22 16:47	01/27/22 06:38	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.1		5.04		mg/Kg			01/27/22 02:03	1

## Client Sample ID: SW-4

Lab Sample ID: 880-10601-8

Date Collected: 01/25/22 00:00

Matrix: Solid

Date Received: 01/26/22 10:02

## 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		01/26/22 10:15	01/26/22 14:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/26/22 10:15	01/26/22 14:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/26/22 10:15	01/26/22 14:37	1
m-Xylene & p-Xylene	0.0167		0.00403		mg/Kg		01/26/22 10:15	01/26/22 14:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/26/22 10:15	01/26/22 14:37	1
Xylenes, Total	0.0167		0.00403		mg/Kg		01/26/22 10:15	01/26/22 14:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				01/26/22 10:15	01/26/22 14:37	1
1,4-Difluorobenzene (Surr)	107		70 - 130				01/26/22 10:15	01/26/22 14:37	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0167		0.00403		mg/Kg			01/28/22 09:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/27/22 13:35	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		01/26/22 16:47	01/27/22 06:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/26/22 16:47	01/27/22 06:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/26/22 16:47	01/27/22 06:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				01/26/22 16:47	01/27/22 06:59	1
o-Terphenyl	107		70 - 130				01/26/22 16:47	01/27/22 06:59	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			01/27/22 02:14	1

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## Surrogate Summary

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-10601-1	CS-1 (1.5')	116	91				
880-10601-1 MS	CS-1 (1.5')	129	105				
880-10601-1 MSD	CS-1 (1.5')	117	113				
880-10601-2	CS-2 (1.5')	141 S1+	102				
880-10601-3	CS-3 (1.5')	144 S1+	111				
880-10601-4	CS-4 (1.5')	125	90				
880-10601-5	SW-1	122	97				
880-10601-6	SW-2	134 S1+	105				
880-10601-7	SW-3	128	99				
880-10601-8	SW-4	83	107				
LCS 880-17746/1-A	Lab Control Sample	122	98				
LCSD 880-17746/2-A	Lab Control Sample Dup	123	98				
MB 880-17746/5-A	Method Blank	123	99				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-10601-1	CS-1 (1.5')	123	120				
880-10601-2	CS-2 (1.5')	121	119				
880-10601-3	CS-3 (1.5')	122	115				
880-10601-4	CS-4 (1.5')	138 S1+	136 S1+				
880-10601-5	SW-1	124	126				
880-10601-6	SW-2	114	112				
880-10601-7	SW-3	129	127				
880-10601-8	SW-4	109	107				
880-10637-A-130-B MS	Matrix Spike	98	95				
880-10637-A-130-C MSD	Matrix Spike Duplicate	93	91				
890-1866-A-1-I MS	Matrix Spike	70	73				
890-1866-A-1-J MSD	Matrix Spike Duplicate	74	65 S1-				
<b>Surrogate Legend</b>							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO2	OTPH2				
		(70-130)	(70-130)				
LCS 880-17828/2-A	Lab Control Sample	109	102				
LCS 880-17880/2-A	Lab Control Sample	99	109				
LCSD 880-17828/3-A	Lab Control Sample Dup	100	107				
LCSD 880-17880/3-A	Lab Control Sample Dup	93	94				

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Surrogate Summary

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	1CO2 (70-130)	OTPH2 (70-130)		
MB 880-17828/1-A	Method Blank	144 S1+	142 S1+		
MB 880-17880/1-A	Method Blank	159 S1+	168 S1+		
Surrogate Legend					
1CO = 1-Chlorooctane					
OTPH = o-Terphenyl					



## QC Sample Results

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-17746/5-A

Matrix: Solid

Analysis Batch: 17747

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 17746

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/26/22 10:15	01/26/22 11:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/26/22 10:15	01/26/22 11:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/26/22 10:15	01/26/22 11:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/26/22 10:15	01/26/22 11:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/26/22 10:15	01/26/22 11:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/26/22 10:15	01/26/22 11:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	01/26/22 10:15	01/26/22 11:45	1
1,4-Difluorobenzene (Surr)	99		70 - 130	01/26/22 10:15	01/26/22 11:45	1

Lab Sample ID: LCS 880-17746/1-A

Matrix: Solid

Analysis Batch: 17747

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 17746

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09956		mg/Kg		100	70 - 130
Toluene	0.100	0.09898		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1000		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.1987		mg/Kg		99	70 - 130
o-Xylene	0.100	0.09714		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-17746/2-A

Matrix: Solid

Analysis Batch: 17747

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 17746

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09980		mg/Kg		100	70 - 130	0	35
Toluene	0.100	0.1009		mg/Kg		101	70 - 130	2	35
Ethylbenzene	0.100	0.09787		mg/Kg		98	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1964		mg/Kg		98	70 - 130	1	35
o-Xylene	0.100	0.1019		mg/Kg		102	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-10601-1 MS

Matrix: Solid

Analysis Batch: 17747

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 17746

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1 F2	0.0992	0.3018	F1	mg/Kg		304	70 - 130
Toluene	<0.00200	U	0.0992	0.09445		mg/Kg		95	70 - 130

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## QC Sample Results

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

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

Lab Sample ID: 880-10601-1 MS

Matrix: Solid

Analysis Batch: 17747

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 17746

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U	0.0992	0.09131		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1872		mg/Kg		94	70 - 130
o-Xylene	<0.00200	U	0.0992	0.09031		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-10601-1 MSD

Matrix: Solid

Analysis Batch: 17747

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 17746

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1 F2	0.0996	0.05939	F1 F2	mg/Kg		60	70 - 130	134	35
Toluene	<0.00200	U	0.0996	0.09152		mg/Kg		92	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.0996	0.08033		mg/Kg		81	70 - 130	13	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1621		mg/Kg		81	70 - 130	14	35
o-Xylene	<0.00200	U	0.0996	0.08649		mg/Kg		87	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

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

Lab Sample ID: MB 880-17828/1-A

Matrix: Solid

Analysis Batch: 17776

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 17828

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		01/26/22 16:47	01/26/22 22:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/26/22 16:47	01/26/22 22:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/26/22 16:47	01/26/22 22:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130	01/26/22 16:47	01/26/22 22:32	1
o-Terphenyl	142	S1+	70 - 130	01/26/22 16:47	01/26/22 22:32	1

Lab Sample ID: LCS 880-17828/2-A

Matrix: Solid

Analysis Batch: 17776

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 17828

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	904.6		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1052		mg/Kg		105	70 - 130

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## QC Sample Results

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-17828/2-A  
Matrix: Solid  
Analysis Batch: 17776

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 17828

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: LCSD 880-17828/3-A  
Matrix: Solid  
Analysis Batch: 17776

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 17828

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	896.1		mg/Kg		90	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1042		mg/Kg		104	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 880-10637-A-130-B MS  
Matrix: Solid  
Analysis Batch: 17776

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 17828

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1085		mg/Kg		107	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1224		mg/Kg		118	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: 880-10637-A-130-C MSD  
Matrix: Solid  
Analysis Batch: 17776

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 17828

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1104		mg/Kg		109	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1196		mg/Kg		116	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	91		70 - 130

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## QC Sample Results

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-17880/1-A

Matrix: Solid

Analysis Batch: 17882

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 17880

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		01/27/22 09:51	01/27/22 11:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/27/22 09:51	01/27/22 11:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/27/22 09:51	01/27/22 11:24	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	159	S1+	70 - 130				01/27/22 09:51	01/27/22 11:24	1
o-Terphenyl	168	S1+	70 - 130				01/27/22 09:51	01/27/22 11:24	1

Lab Sample ID: LCS 880-17880/2-A

Matrix: Solid

Analysis Batch: 17882

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 17880

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	896.1		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1044		mg/Kg		104	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	99		70 - 130				
o-Terphenyl	109		70 - 130				

Lab Sample ID: LCSD 880-17880/3-A

Matrix: Solid

Analysis Batch: 17882

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 17880

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	894.5		mg/Kg		89	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	992.6		mg/Kg		99	70 - 130	5	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	93		70 - 130						
o-Terphenyl	94		70 - 130						

Lab Sample ID: 890-1866-A-1-I MS

Matrix: Solid

Analysis Batch: 17882

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 17880

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1202		mg/Kg		121	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1078		mg/Kg		108	70 - 130

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## QC Sample Results

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

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

Lab Sample ID: 890-1866-A-1-I MS

Matrix: Solid

Analysis Batch: 17882

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 17880

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	70		70 - 130
o-Terphenyl	73		70 - 130

Lab Sample ID: 890-1866-A-1-J MSD

Matrix: Solid

Analysis Batch: 17882

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 17880

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1170		mg/Kg		117	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1078		mg/Kg		108	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	74		70 - 130
o-Terphenyl	65	S1-	70 - 130

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-17857/1-A

Matrix: Solid

Analysis Batch: 17876

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			01/26/22 23:29	1

Lab Sample ID: LCS 880-17857/2-A

Matrix: Solid

Analysis Batch: 17876

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	259.3		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-17857/3-A

Matrix: Solid

Analysis Batch: 17876

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	249.4		mg/Kg		100	90 - 110	4	20

Lab Sample ID: 880-10601-1 MS

Matrix: Solid

Analysis Batch: 17876

Client Sample ID: CS-1 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	<4.96	U	248	262.6		mg/Kg		105	90 - 110

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QC Sample Results

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-10601-1 MSD							Client Sample ID: CS-1 (1.5')					
Matrix: Solid							Prep Type: Soluble					
Analysis Batch: 17876												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit	
Chloride	<4.96	U	248	261.3		mg/Kg		104	90 - 110	0	20	

## QC Association Summary

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

## GC VOA

## Prep Batch: 17746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10601-1	CS-1 (1.5')	Total/NA	Solid	5035	
880-10601-2	CS-2 (1.5')	Total/NA	Solid	5035	
880-10601-3	CS-3 (1.5')	Total/NA	Solid	5035	
880-10601-4	CS-4 (1.5')	Total/NA	Solid	5035	
880-10601-5	SW-1	Total/NA	Solid	5035	
880-10601-6	SW-2	Total/NA	Solid	5035	
880-10601-7	SW-3	Total/NA	Solid	5035	
880-10601-8	SW-4	Total/NA	Solid	5035	
MB 880-17746/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-17746/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-17746/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-10601-1 MS	CS-1 (1.5')	Total/NA	Solid	5035	
880-10601-1 MSD	CS-1 (1.5')	Total/NA	Solid	5035	

## Analysis Batch: 17747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10601-1	CS-1 (1.5')	Total/NA	Solid	8021B	17746
880-10601-2	CS-2 (1.5')	Total/NA	Solid	8021B	17746
880-10601-3	CS-3 (1.5')	Total/NA	Solid	8021B	17746
880-10601-4	CS-4 (1.5')	Total/NA	Solid	8021B	17746
880-10601-5	SW-1	Total/NA	Solid	8021B	17746
880-10601-6	SW-2	Total/NA	Solid	8021B	17746
880-10601-7	SW-3	Total/NA	Solid	8021B	17746
880-10601-8	SW-4	Total/NA	Solid	8021B	17746
MB 880-17746/5-A	Method Blank	Total/NA	Solid	8021B	17746
LCS 880-17746/1-A	Lab Control Sample	Total/NA	Solid	8021B	17746
LCSD 880-17746/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	17746
880-10601-1 MS	CS-1 (1.5')	Total/NA	Solid	8021B	17746
880-10601-1 MSD	CS-1 (1.5')	Total/NA	Solid	8021B	17746

## Analysis Batch: 18002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10601-1	CS-1 (1.5')	Total/NA	Solid	Total BTEX	
880-10601-2	CS-2 (1.5')	Total/NA	Solid	Total BTEX	
880-10601-3	CS-3 (1.5')	Total/NA	Solid	Total BTEX	
880-10601-4	CS-4 (1.5')	Total/NA	Solid	Total BTEX	
880-10601-5	SW-1	Total/NA	Solid	Total BTEX	
880-10601-6	SW-2	Total/NA	Solid	Total BTEX	
880-10601-7	SW-3	Total/NA	Solid	Total BTEX	
880-10601-8	SW-4	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Analysis Batch: 17776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10601-1	CS-1 (1.5')	Total/NA	Solid	8015B NM	17828
880-10601-2	CS-2 (1.5')	Total/NA	Solid	8015B NM	17828
880-10601-4	CS-4 (1.5')	Total/NA	Solid	8015B NM	17828
880-10601-5	SW-1	Total/NA	Solid	8015B NM	17828
880-10601-6	SW-2	Total/NA	Solid	8015B NM	17828
880-10601-7	SW-3	Total/NA	Solid	8015B NM	17828

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## QC Association Summary

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

## GC Semi VOA (Continued)

## Analysis Batch: 17776 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10601-8	SW-4	Total/NA	Solid	8015B NM	17828
MB 880-17828/1-A	Method Blank	Total/NA	Solid	8015B NM	17828
LCS 880-17828/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	17828
LCSD 880-17828/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	17828
880-10637-A-130-B MS	Matrix Spike	Total/NA	Solid	8015B NM	17828
880-10637-A-130-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	17828

## Prep Batch: 17828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10601-1	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-10601-2	CS-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-10601-4	CS-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-10601-5	SW-1	Total/NA	Solid	8015NM Prep	
880-10601-6	SW-2	Total/NA	Solid	8015NM Prep	
880-10601-7	SW-3	Total/NA	Solid	8015NM Prep	
880-10601-8	SW-4	Total/NA	Solid	8015NM Prep	
MB 880-17828/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-17828/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-17828/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-10637-A-130-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-10637-A-130-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Prep Batch: 17880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10601-3	CS-3 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-17880/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-17880/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-17880/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1866-A-1-I MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1866-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 17882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10601-3	CS-3 (1.5')	Total/NA	Solid	8015B NM	17880
MB 880-17880/1-A	Method Blank	Total/NA	Solid	8015B NM	17880
LCS 880-17880/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	17880
LCSD 880-17880/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	17880
890-1866-A-1-I MS	Matrix Spike	Total/NA	Solid	8015B NM	17880
890-1866-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	17880

## Analysis Batch: 17931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10601-1	CS-1 (1.5')	Total/NA	Solid	8015 NM	
880-10601-2	CS-2 (1.5')	Total/NA	Solid	8015 NM	
880-10601-4	CS-4 (1.5')	Total/NA	Solid	8015 NM	
880-10601-5	SW-1	Total/NA	Solid	8015 NM	
880-10601-6	SW-2	Total/NA	Solid	8015 NM	
880-10601-7	SW-3	Total/NA	Solid	8015 NM	
880-10601-8	SW-4	Total/NA	Solid	8015 NM	

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## QC Association Summary

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

## GC Semi VOA

## Analysis Batch: 17951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10601-3	CS-3 (1.5')	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 17857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10601-1	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-10601-2	CS-2 (1.5')	Soluble	Solid	DI Leach	
880-10601-3	CS-3 (1.5')	Soluble	Solid	DI Leach	
880-10601-4	CS-4 (1.5')	Soluble	Solid	DI Leach	
880-10601-5	SW-1	Soluble	Solid	DI Leach	
880-10601-6	SW-2	Soluble	Solid	DI Leach	
880-10601-7	SW-3	Soluble	Solid	DI Leach	
880-10601-8	SW-4	Soluble	Solid	DI Leach	
MB 880-17857/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-17857/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-17857/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-10601-1 MS	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-10601-1 MSD	CS-1 (1.5')	Soluble	Solid	DI Leach	

## Analysis Batch: 17876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10601-1	CS-1 (1.5')	Soluble	Solid	300.0	17857
880-10601-2	CS-2 (1.5')	Soluble	Solid	300.0	17857
880-10601-3	CS-3 (1.5')	Soluble	Solid	300.0	17857
880-10601-4	CS-4 (1.5')	Soluble	Solid	300.0	17857
880-10601-5	SW-1	Soluble	Solid	300.0	17857
880-10601-6	SW-2	Soluble	Solid	300.0	17857
880-10601-7	SW-3	Soluble	Solid	300.0	17857
880-10601-8	SW-4	Soluble	Solid	300.0	17857
MB 880-17857/1-A	Method Blank	Soluble	Solid	300.0	17857
LCS 880-17857/2-A	Lab Control Sample	Soluble	Solid	300.0	17857
LCSD 880-17857/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	17857
880-10601-1 MS	CS-1 (1.5')	Soluble	Solid	300.0	17857
880-10601-1 MSD	CS-1 (1.5')	Soluble	Solid	300.0	17857

## Lab Chronicle

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-10601-1

Date Collected: 01/25/22 00:00

Matrix: Solid

Date Received: 01/26/22 10:02

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	17746	01/26/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17747	01/26/22 12:14	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18002	01/28/22 09:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17931	01/27/22 13:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	17828	01/26/22 16:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17776	01/27/22 04:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	17857	01/26/22 17:32	SC	XEN MID
Soluble	Analysis	300.0		1			17876	01/27/22 00:04	CH	XEN MID

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-10601-2

Date Collected: 01/25/22 00:00

Matrix: Solid

Date Received: 01/26/22 10:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	17746	01/26/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17747	01/26/22 12:34	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18002	01/28/22 09:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17931	01/27/22 13:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	17828	01/26/22 16:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17776	01/27/22 04:51	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	17857	01/26/22 17:32	SC	XEN MID
Soluble	Analysis	300.0		1			17876	01/27/22 00:40	CH	XEN MID

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-10601-3

Date Collected: 01/25/22 00:00

Matrix: Solid

Date Received: 01/26/22 10:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	17746	01/26/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17747	01/26/22 12:55	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18002	01/28/22 09:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17951	01/27/22 16:17	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	17880	01/27/22 09:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17882	01/27/22 15:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	17857	01/26/22 17:32	SC	XEN MID
Soluble	Analysis	300.0		1			17876	01/27/22 00:52	CH	XEN MID

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-10601-4

Date Collected: 01/25/22 00:00

Matrix: Solid

Date Received: 01/26/22 10:02

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	17746	01/26/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17747	01/26/22 13:15	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18002	01/28/22 09:55	AJ	XEN MID

Eurofins Midland



## Lab Chronicle

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

## Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-10601-4

Date Collected: 01/25/22 00:00

Matrix: Solid

Date Received: 01/26/22 10:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			17931	01/27/22 13:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	17828	01/26/22 16:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17776	01/27/22 05:34	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	17857	01/26/22 17:32	SC	XEN MID
Soluble	Analysis	300.0		1			17876	01/27/22 01:03	CH	XEN MID

## Client Sample ID: SW-1

Lab Sample ID: 880-10601-5

Date Collected: 01/25/22 00:00

Matrix: Solid

Date Received: 01/26/22 10:02

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	17746	01/26/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17747	01/26/22 13:36	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18002	01/28/22 09:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17931	01/27/22 13:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	17828	01/26/22 16:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17776	01/27/22 05:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	17857	01/26/22 17:32	SC	XEN MID
Soluble	Analysis	300.0		1			17876	01/27/22 01:15	CH	XEN MID

## Client Sample ID: SW-2

Lab Sample ID: 880-10601-6

Date Collected: 01/25/22 00:00

Matrix: Solid

Date Received: 01/26/22 10:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	17746	01/26/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17747	01/26/22 13:56	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18002	01/28/22 09:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17931	01/27/22 13:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	17828	01/26/22 16:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17776	01/27/22 06:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	17857	01/26/22 17:32	SC	XEN MID
Soluble	Analysis	300.0		1			17876	01/27/22 01:51	CH	XEN MID

## Client Sample ID: SW-3

Lab Sample ID: 880-10601-7

Date Collected: 01/25/22 00:00

Matrix: Solid

Date Received: 01/26/22 10:02

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	17746	01/26/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17747	01/26/22 14:17	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18002	01/28/22 09:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17931	01/27/22 13:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	17828	01/26/22 16:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17776	01/27/22 06:38	AJ	XEN MID

Eurofins Midland

## Lab Chronicle

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

## Client Sample ID: SW-3

## Lab Sample ID: 880-10601-7

Date Collected: 01/25/22 00:00

Matrix: Solid

Date Received: 01/26/22 10:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	17857	01/26/22 17:32	SC	XEN MID
Soluble	Analysis	300.0		1			17876	01/27/22 02:03	CH	XEN MID

## Client Sample ID: SW-4

## Lab Sample ID: 880-10601-8

Date Collected: 01/25/22 00:00

Matrix: Solid

Date Received: 01/26/22 10:02

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	17746	01/26/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17747	01/26/22 14:37	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18002	01/28/22 09:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17931	01/27/22 13:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	17828	01/26/22 16:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17776	01/27/22 06:59	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	17857	01/26/22 17:32	SC	XEN MID
Soluble	Analysis	300.0		1			17876	01/27/22 02:14	CH	XEN MID

## Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

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

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

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

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

## Method Summary

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

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

**Protocol References:**

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

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

## Sample Summary

Client: NT Global  
Project/Site: SRO State #59 (12.03.21)

Job ID: 880-10601-1  
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-10601-1	CS-1 (1.5')	Solid	01/25/22 00:00	01/26/22 10:02
880-10601-2	CS-2 (1.5')	Solid	01/25/22 00:00	01/26/22 10:02
880-10601-3	CS-3 (1.5')	Solid	01/25/22 00:00	01/26/22 10:02
880-10601-4	CS-4 (1.5')	Solid	01/25/22 00:00	01/26/22 10:02
880-10601-5	SW-1	Solid	01/25/22 00:00	01/26/22 10:02
880-10601-6	SW-2	Solid	01/25/22 00:00	01/26/22 10:02
880-10601-7	SW-3	Solid	01/25/22 00:00	01/26/22 10:02
880-10601-8	SW-4	Solid	01/25/22 00:00	01/26/22 10:02



## Chain of Custody

## Work



88U-10601 Chain of Custody

1/28/2022

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:	432-342-7706 432.83.0203	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 \_\_\_\_\_

[illegible]

**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 <i>[Signature]</i>	<i>[Signature]</i>	1-26-27	2		
3		1000	4		
5			6		



## Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-10601-1

SDG Number: Eddy Co, NM

Login Number: 10601

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

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

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

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

CONDITIONS  
  
Action 85874

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 85874
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	None	3/9/2022