Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2111849120
District RP	
Facility ID	
Application ID	26051

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: Todd Wells Title: Environmental Specialist

Signature: Todd Wells Date: 6/16/21

email: todd_wells@eogresources.com Telephone: (432) 686.3613

OCD Only

Received by: Ramona Marcus Date: 6/16/2021

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: Chad Hensley Date: 08/12/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

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	NAPP2111849120
District RP	
Facility ID	
Application ID	26051

Release Notification

Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name Todd Wells	Contact Telephone (432) 686-3613
Contact email Todd_Wells@eogresources.com	Incident # *(assigned by OCD)* NAPP2111849120
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.023723° Longitude -103.535457°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Dogwood 23 Fed CTB	Site Type Tank Battery
Date Release Discovered 4/4/21	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
P	23	26S	33E	Lea

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 320	Volume Recovered (bbls) 310
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: The water transfer pump tee connection weld failed causing a release of produced water around the pump and on the pad. Approximately 320 bbls of produced water was released and 310 bbls recovered.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2111849120
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? More than 25 bbls

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? E-mail notification to the District 1 Spills inbox on 4/19/21.

Initial Response

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

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

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

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

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

Printed Name: Todd Wells Title: Environmental Specialist

Signature: Todd Wells Date: 4-28-21

email: Todd_Wells@eogresources.com Telephone: (432) 686-3613

OCD Only

Received by: Ramona Marcus Date: 6/16/2021

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2111849120
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: Todd Wells Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Ramona Marcus Date: 6/16/2021

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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☐ Description of remediation activities

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Printed Name: _____ Title: _____

Signature: Todd Wells Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Ramona Marcus Date: 6/16/2021

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Site Information

Closure Report
Dogwood 23 Fed CTB
Lea County, New Mexico
Unit P Sec 23 T26S R33E
Incident #: NAPP2111849120
32.023684°, -103.535367°

Produced Water Release
Source: Failed weld on the water transfer pump tee connection
Release Date: 4/4/2021
Volume Released: 320 bbls/Produced Water
Volume Recovered: 310 bbls/ Produced Water

Prepared for:
EOG Resources
5509 Champions Dr.
Midland, TX 79706

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

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FIGURES

TABLES/PHOTOLOG

APPENDICES

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

June 3, 2021

New Mexico Oil Conservation Division
1220 South St, Francis Drive
Sante Fe, NM 87505

Re: Closure Report
Dogwood 23 FED CTB
EOG Resources Inc.
Site Location: Unit P, S23, T26S, R33E
(Lat 32.023684º, Long -103.535367)
Lea County, New Mexico

To whom it may concern:

On behalf of EOG Resources Inc. (EOG), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment and remediation activities for Dogwood 23 Fed CTB. The site is located at 32.023684 º, -103.535367º within Unit P, S23, T26S, R33E, and approximately 21 miles Southwest of Jal, New Mexico, in Lea 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 April 4, 2021. It resulted in the release of approximately three hundred and twenty (320) barrels of produced water release, and three hundred and ten (310) barrels of produced water were recovered. The impacted area measured approximately 110' x 30', as shown on Figure 3. The initial C-141 form is attached in Appendix A.

Site Characterization

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is no known water source within a ½ mile radius of the location. The nearest identified well is located approximately 1.42 miles West of the site in S27, T26S, R33E. The well has a reported depth to groundwater of 76 feet below ground surface (ft bgs). A copy of the associated *Point of Diversion Summary* report is attached in Appendix B.

Regulatory Criteria

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

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

- Chloride 600 mg/kg

Site Assessment

On April 26, 2021, NTGE conducted site assessment activities to assess soil impacts resulting from the release. A total of six (6) sample points were advanced to depths ranging surface – 0.5 ft bgs within and surrounding the release area to assess the vertical and horizontal extent of potential impacts. The soil sample locations are shown on Figure 3.

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

Referring to Table 1, the area of S-3 showed a high concentration of 9,660 mg/kg for TPH at surface - 0.5' ft bgs, as well as chlorides at 1,160 mg/kg. The area of H-3 showed a high chloride concentration of 13,100 mg/kg at surface to 0.5'. All samples are below the NMOCD regulatory criteria for BTEX. Due to the dense formation, NTGE was not able to get deeper samples.

Remediation Activities and Confirmation Sampling

New Tech Global Environmental personnel were onsite from May 10, 2021, through May 18, 2021, to supervise the remediation activities and collect confirmation samples. The area of S-3 was excavated to a depth of 1.0' below surface.

A total of five (5) confirmation samples were collected (CS-1 through CS-5), and seven (7) sidewall samples (SW-1 through SW-7) were collected every 200 square feet to ensure proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 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.

The areas of sidewalls (SW-3, SW-4, and SW-5) showed high TPH concentrations of 293 mg/kg, 170 mg/kg, and 116 mg/kg. In addition, those sidewalls were extended an additional 0.5 feet to ensure proper removal of contaminated soils.

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

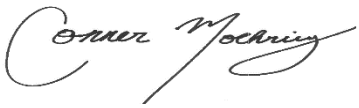
Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 60 cubic yards of material were excavated and transported offsite for proper disposal

Conclusions

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

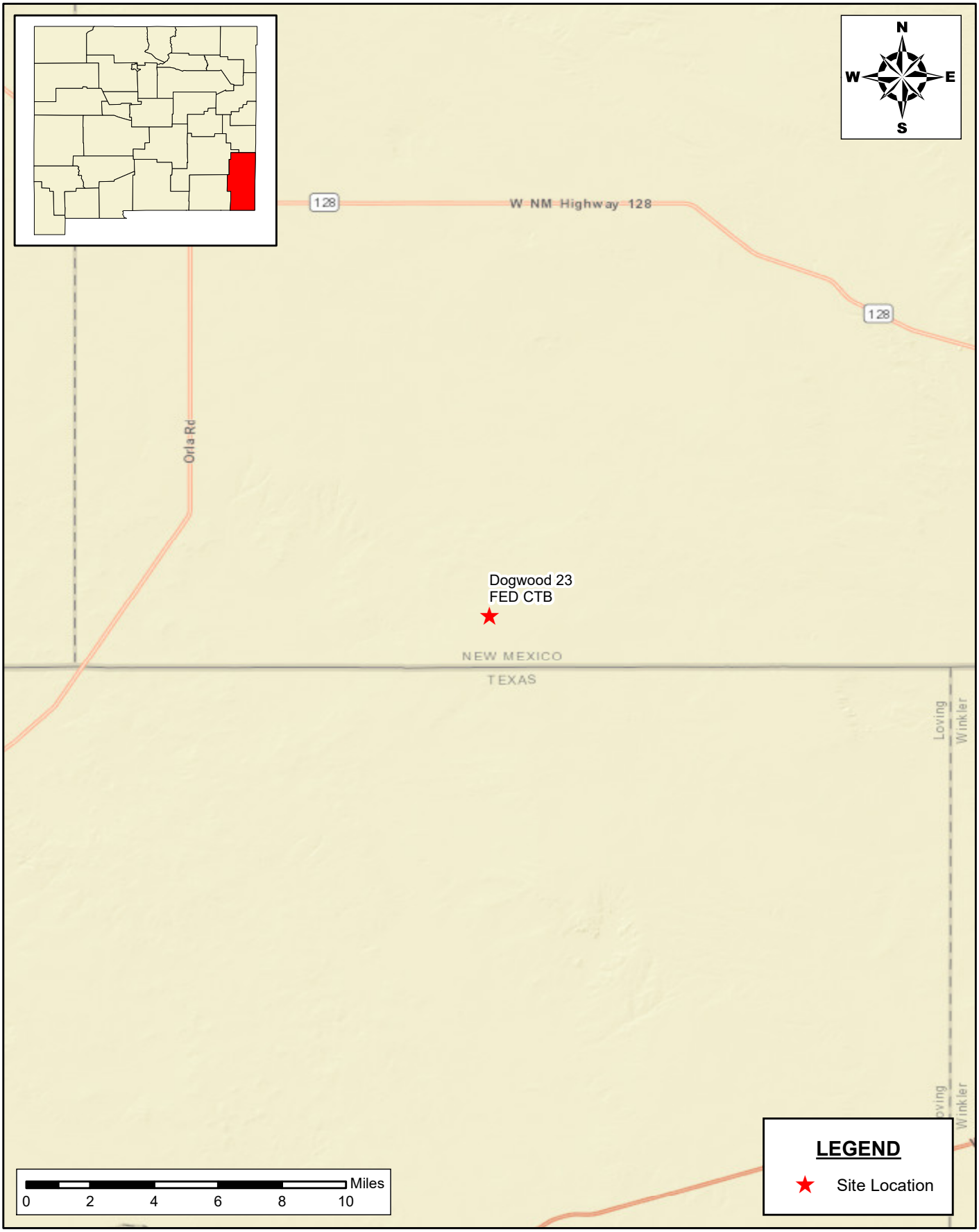
Sincerely,
NTG Environmental

Mike Carmona
Senior Project Manager



Conner Moehring
Project Manager

Figures



SITE LOCATION MAP
EOG RESOURCES
DOGWOOD 23 FED CTB
LEA COUNTY, NM
32.023684, -103.535367

SCALE: As Shown	DATE: 03/18/2015	PROJECT #: 214188

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

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

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1

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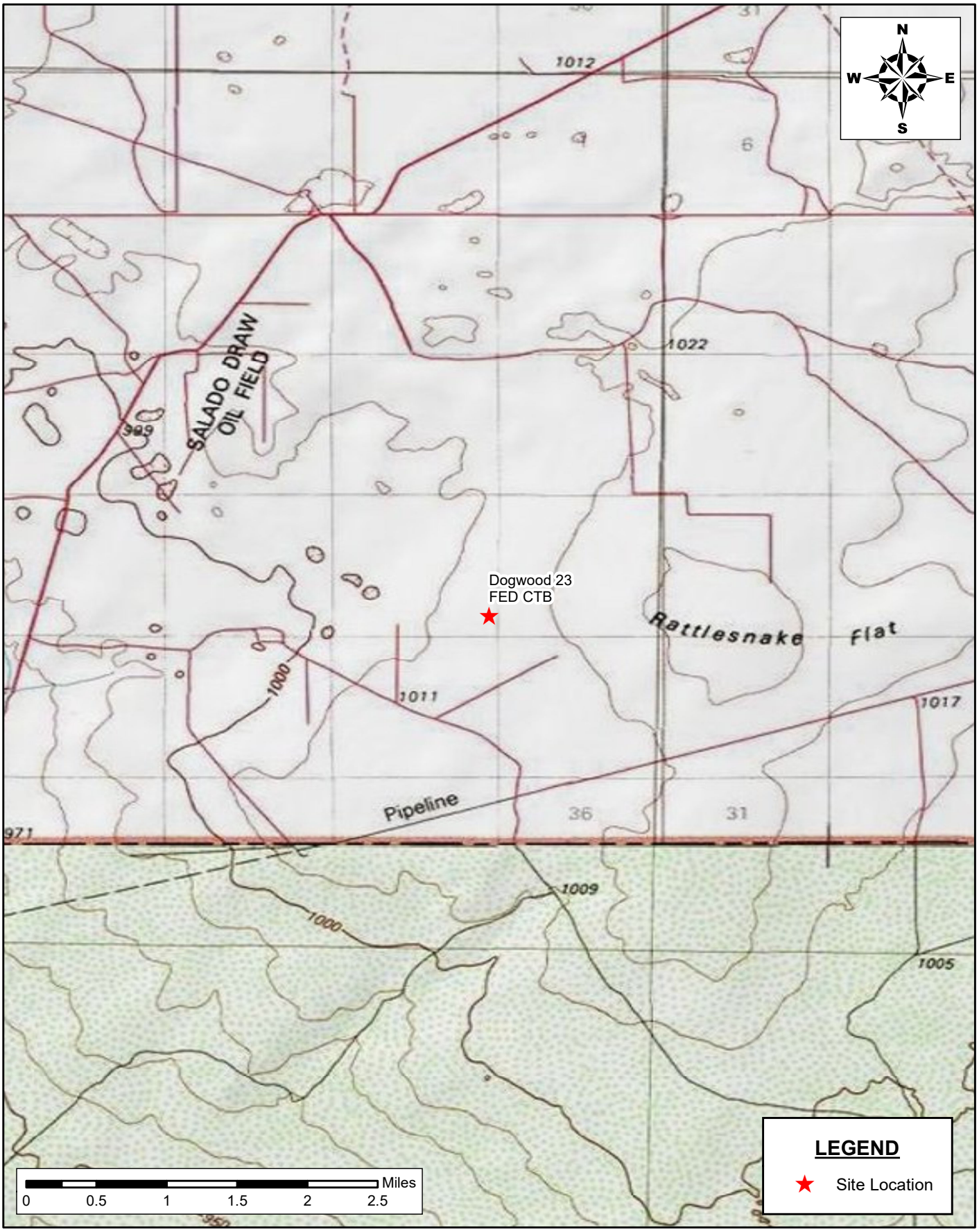

AREA MAP
EOG RESOURCES
DOGWOOD 23 FED CTB
LEA COUNTY, NM
32.023684, -103.535367

SCALE: As Shown	DATE: 05/03/2021	PROJECT #: 214188

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 2
SHEET NUMBER:
1 of 1

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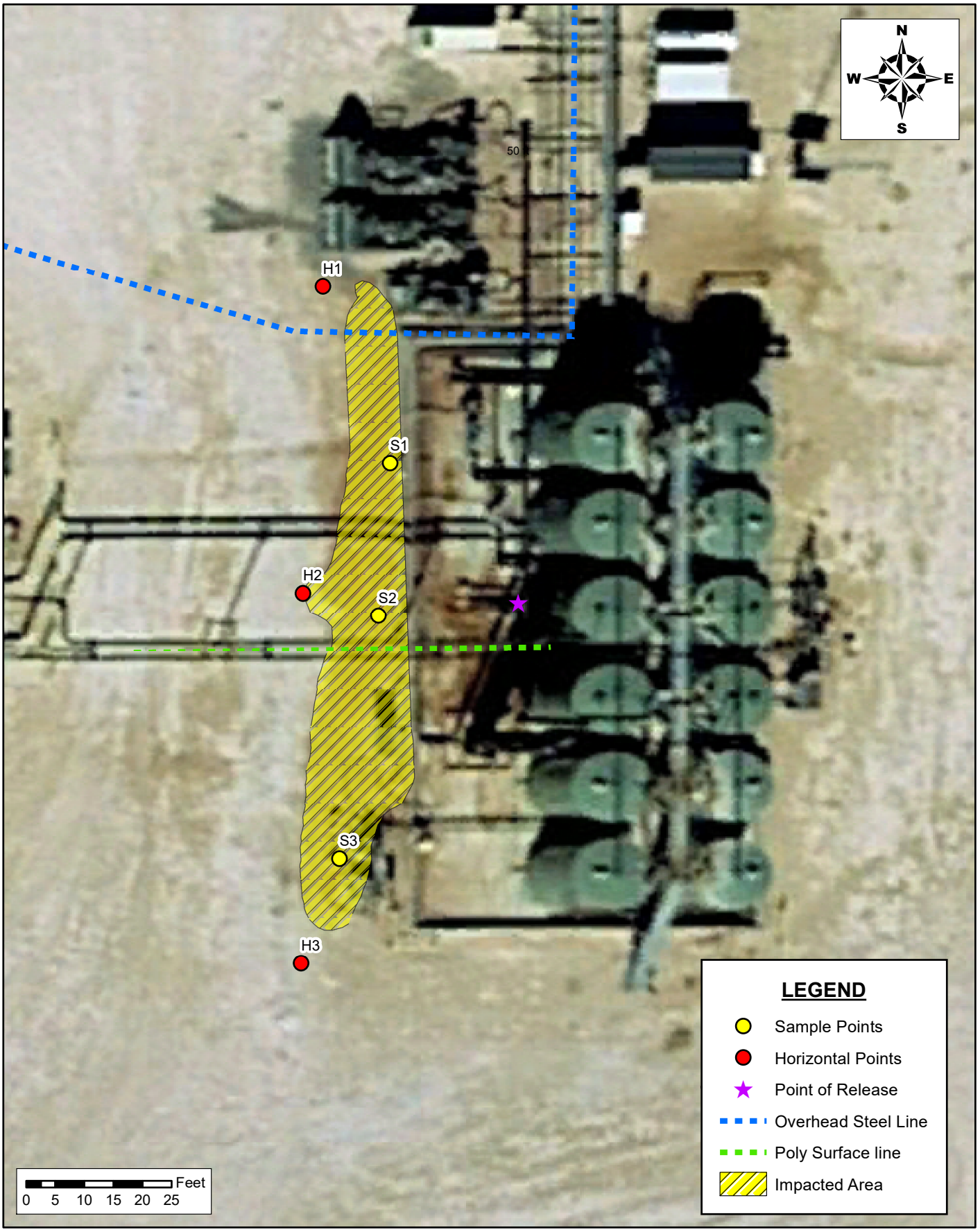


SAMPLE LOCATION MAP
EOG RESOURCES
DOGWOOD 23 FED CTB
LEA COUNTY, NM
32.023684, -103.535367

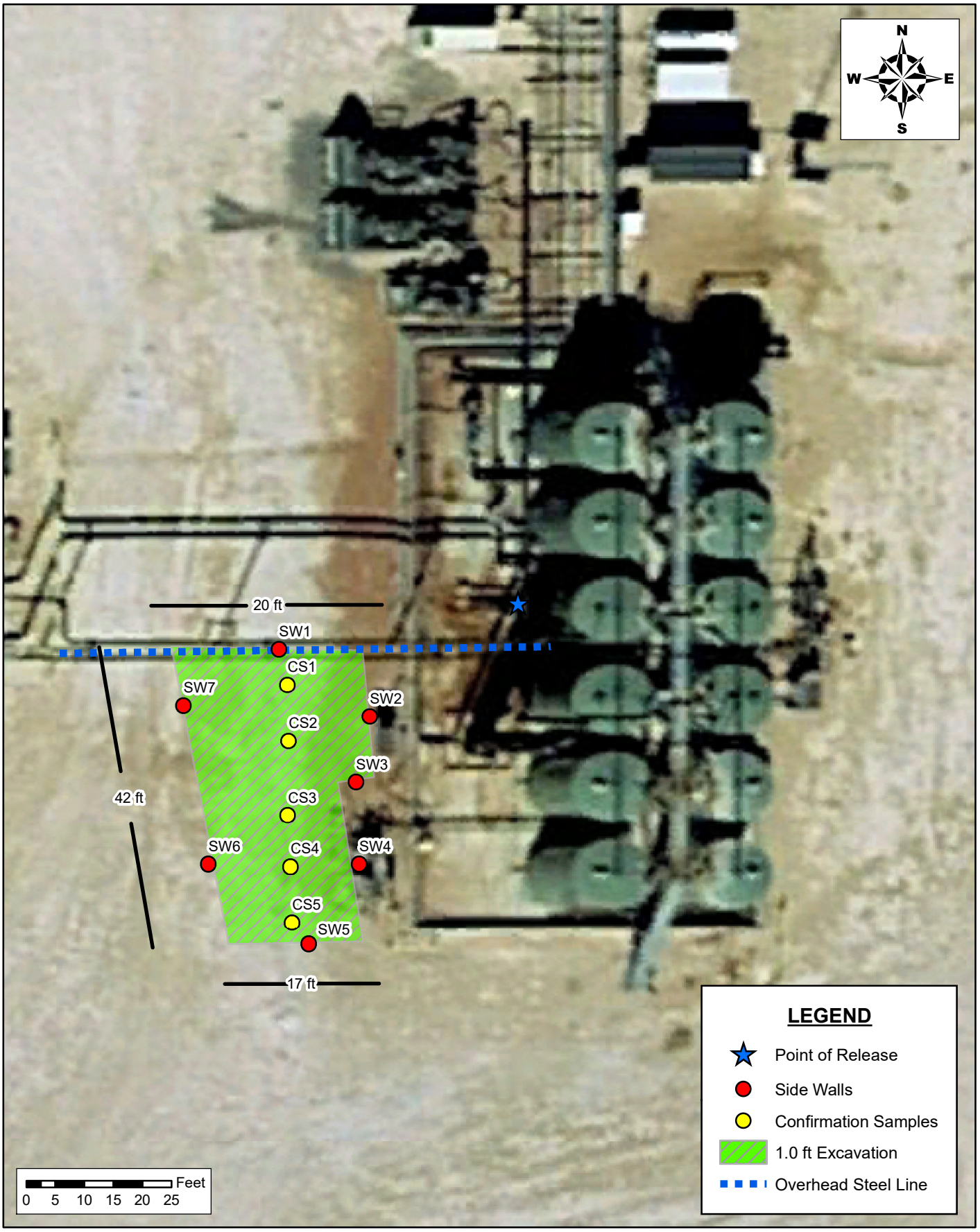
SCALE: As Shown	DATE: 6/11/2021	PROJECT #: 214188

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

Document Path: P:\2021 PROJECTS\EOG\214188 - Dogwood 23 Federal CTB\7 - Figures\Figure_3_Sample Location Map_06112021.mxd



Document Path: P:\2021 PROJECTS\EOG\214188 Dogwood 23 Federal CTB\7 - Figures\Figure_4_Sample Location Map_05192021_alt.mxd

SAMPLE LOCATION MAP
EOG RESOURCES
DOGWOOD 23 FED CTB
LEA COUNTY, NM
32.023684, -103.535367

SCALE: As Shown	DATE: 5/19/2021	PROJECT #: 214188

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
EOG Resources
Dogwood 23 Fed CTB
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	4/26/2021	0-0.5	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	189
S-2	4/26/2021	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	338
S-3	4/26/2021	0-0.5	**1,300**	**7,470**	891	**9,660**	0.0301	4.44	0.258	26.2	32.4	**1,160**
H-1	4/26/2021	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	349
H-2	4/26/2021	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	0.00871	0.00871	147
H-3	4/26/2021	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**13,100**
Regulatory Limits						**100 mg/kg**	**10 mg/kg**	-	-	-	**50 mg/kg**	**600 mg/kg**

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

Exceeds RRALs

Table 2
EOG Resources
Dogwood 23 FED CTB
Lea County, New Mexico

Sample ID	Date	Excavation Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	5/12/2021	1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	39.5
CS-2	5/12/2021	1	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	38.7
CS-3	5/12/2021	1	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	32.2
CS-4	5/12/2021	1	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	33.3
CS-5	5/12/2021	1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	33.1
SW-1	5/12/2021	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	57.5
SW-2	5/12/2021	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	64.8
SW-3	5/12/2021	-	<50.0	**293**	<50.0	**293**	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	72.6
	5/18/2021	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	11.1
SW-4	5/12/2021	-	<49.9	**170**	<49.9	**170**	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	68.3
	5/18/2021	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	11.5
SW-5	5/12/2021	-	<50.0	**116**	<50.0	**116**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	81.1
	5/18/2021	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	12.1
SW-6	5/12/2021	-	<49.8	67.6	<49.8	67.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	95.6
SW-7	5/12/2021	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	47.2
Regulatory Limits						**100 mg/kg**	**10 mg/kg**	-	-	-	**50 mg/kg**	**600 mg/kg**

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

Excavated

Photo Log

PHOTOGRAPHIC LOG

EOG Resources

Photograph No. 1

Facility: Dogwood 23 Federal CTB

County: Lea County, New Mexico

Description:
View South of sampled points (1-3) Initial assessment

Photograph No. 2

Facility: Dogwood 23 Federal CTB

County: Lea County, New Mexico

Description:
View North, of confirmation samples (1-5)

Photograph No. 3

Facility: Dogwood 23 Federal CTB

County: Lea County, New Mexico

Description:
View North, of confirmation samples (1-3)

PHOTOGRAPHIC LOG

EOG Resources

Photograph No. 4

Facility: Dogwood 23 Federal CTB

County: Lea County, New Mexico

Description:
View South of Lined facility

Photograph No. 5

Facility: Dogwood 23 Federal CTB

County: Lea County, New Mexico

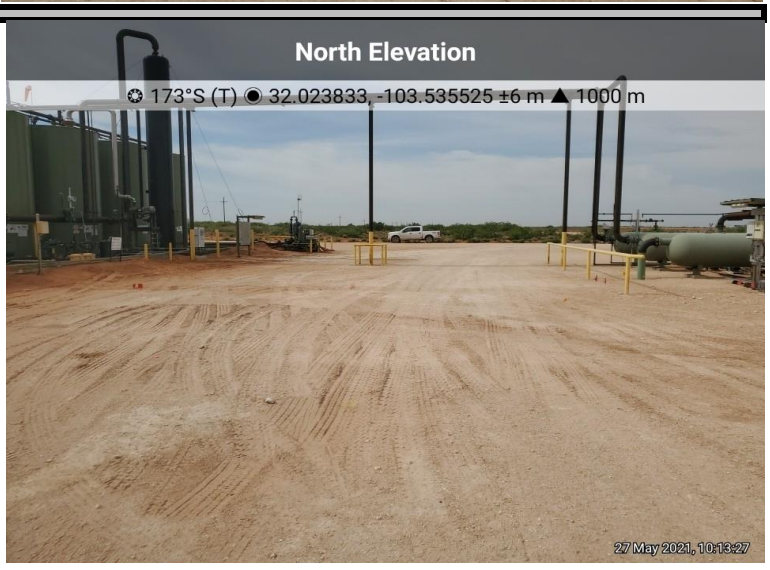
Description:
View South of backfill area

Photograph No. 6

Facility: Dogwood 23 Federal CTB

County: Lea County, New Mexico

Description:
View North of backfill area



Appendix B

Nearest Water Well

EOG Resources
Dogwood 23 Federal CTB

124.44' - Drilled 2001

76.60' - Drilled 2001

80.17' - Drilled 1981

Dogwood 23 Federal CTB

Legend

- 0.50 Mile Radius
- 1.42 Miles
- 1.53 Miles
- 2.38 Miles
- Dogwood 23 Federal CTB
- USGS

Google Earth

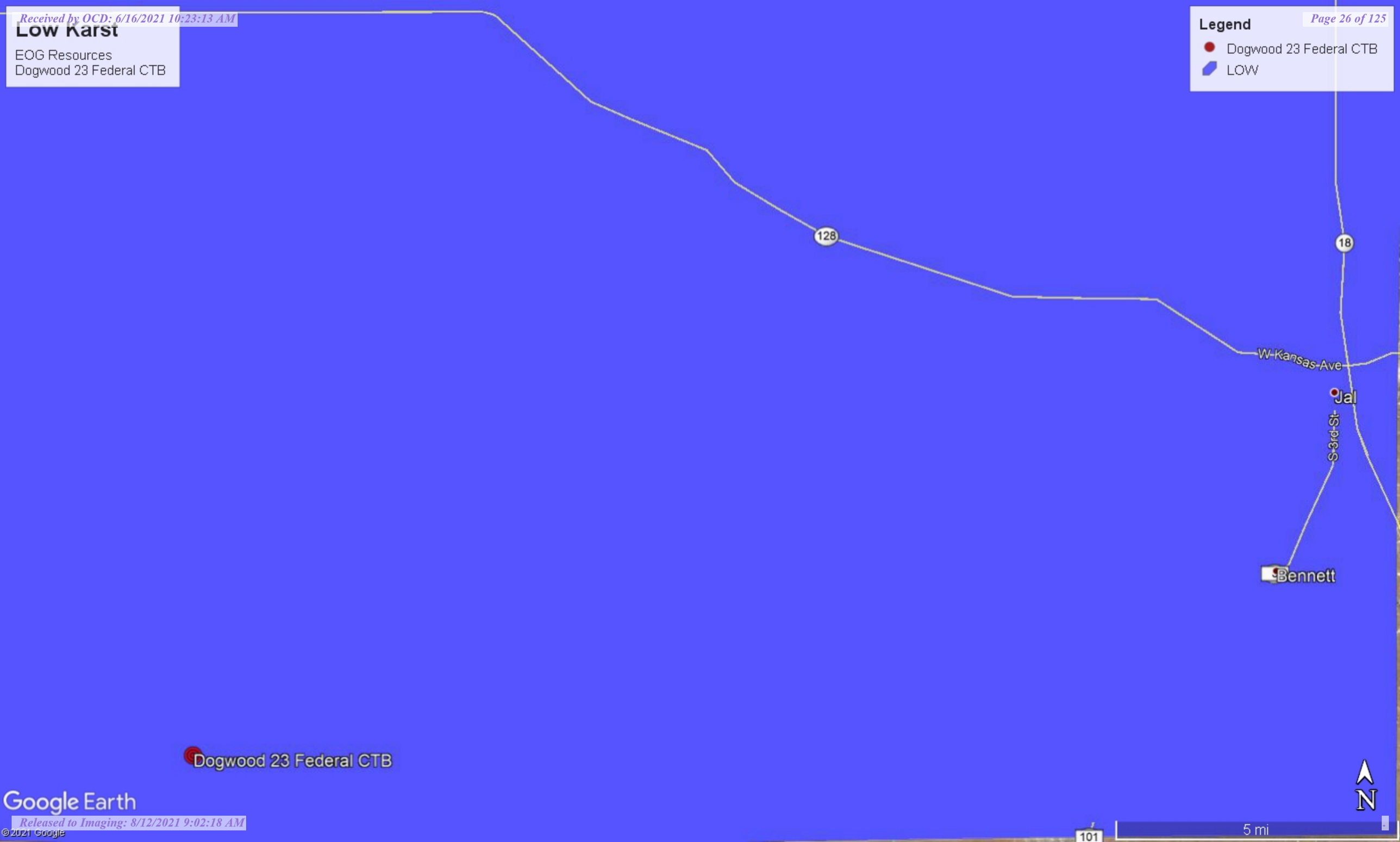
N

1 mi

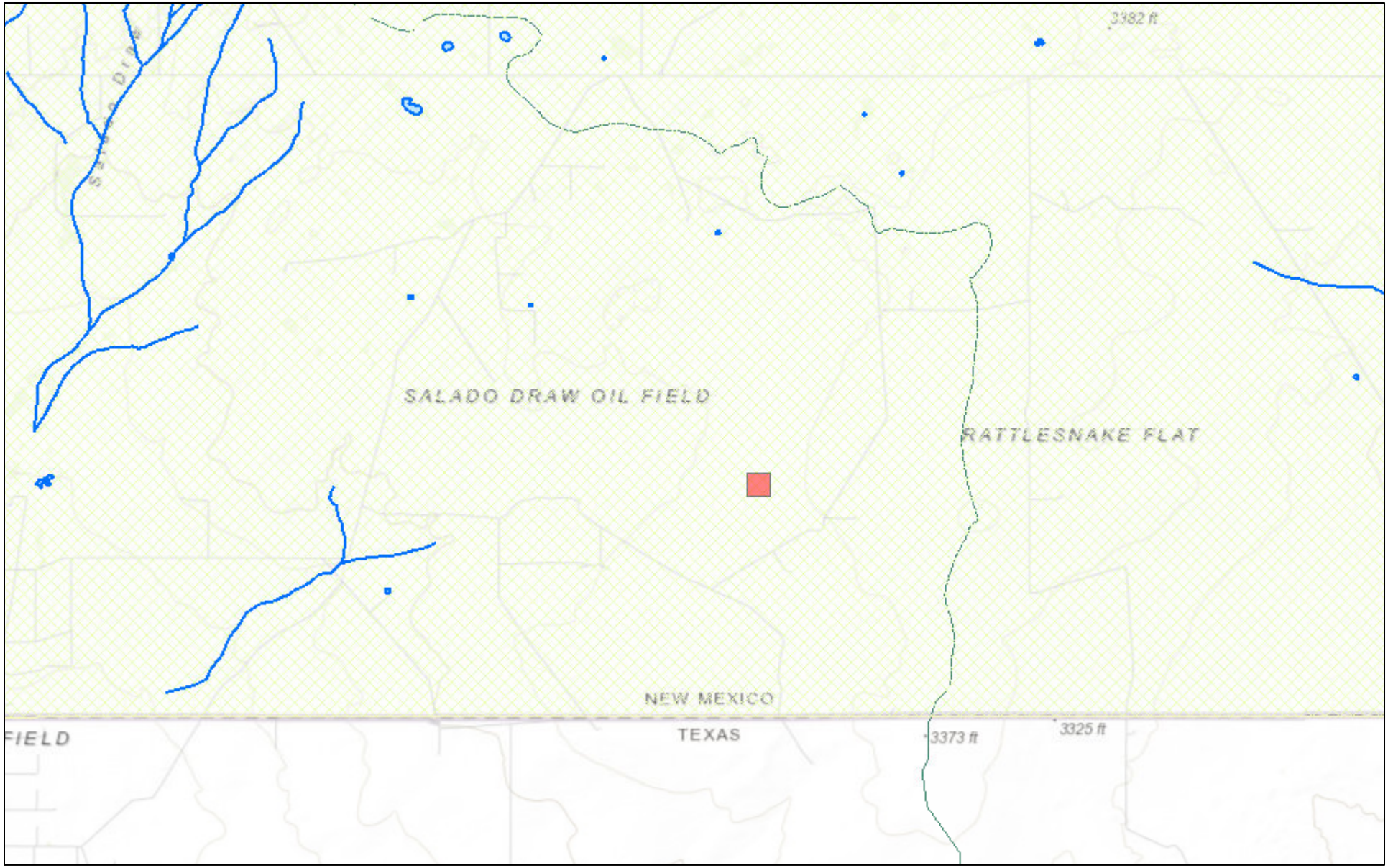
Low Karst

EOG Resources
Dogwood 23 Federal CTB

Legend
- Dogwood 23 Federal CTB
- LOW



New Mexico NFHL Data



April 27, 2021

1:72,224

0 0.5 1 2 mi

0 1 2 4 km

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

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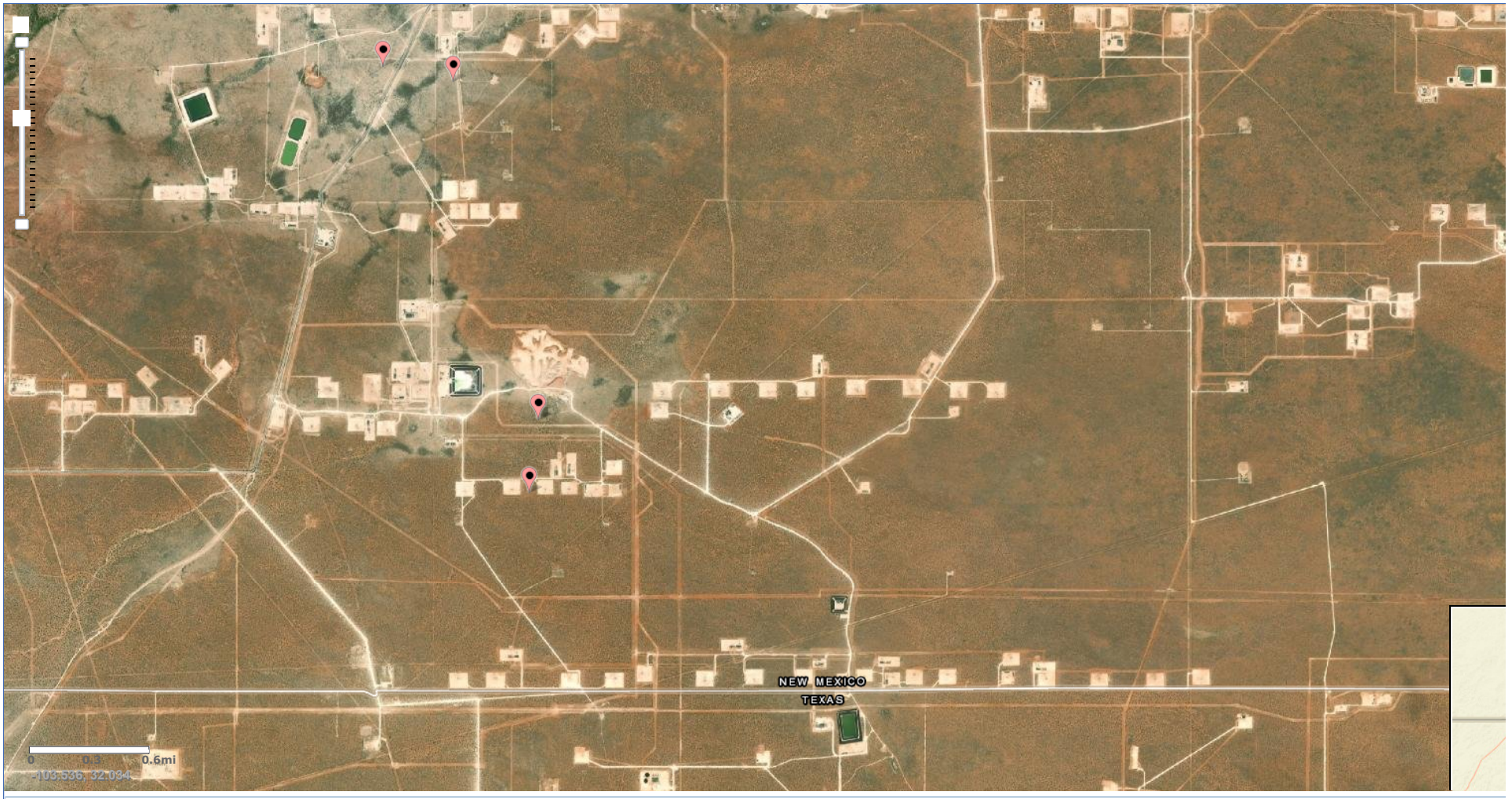
National Water Information System: Mapper



Site Information

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

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

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

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

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 02270	CUB	LE	1	1	2	27	26S	33E	636063	3543722	150	125	25
C 02273	CUB	LE		1	2	21	26S	33E	634549	3545134*	160	120	40
C 02285 POD1	CUB	LE	1	4	4	03	26S	33E	636613	3548855	220	220	0
C 02286	CUB	LE	3	4	4	03	26S	33E	636470	3548714	220	175	45
C 02287	C	LE	3	4	4	03	26S	33E	636427	3548708	220		
C 02288	CUB	LE	4	4	4	03	26S	33E	636646	3548758	220	180	40
C 02289	CUB	LE	4	4	4	03	26S	33E	636612	3548675*	200	160	40
C 02290	CUB	LE	4	4	4	03	26S	33E	636538	3548770	200	160	40
C 02293	CUB	LE	2	2	1	14	26S	33E	637501	3546975	200	135	65
C 02294	CUB	LE	4	4	3	11	26S	33E	637465	3547003	200	145	55
C 02295	CUB	LE	2	2	4	12	26S	33E	639865	3547624	250	200	50
C 03577 POD1	CUB	LE	3	3	3	22	26S	33E	636010	3543771	750	110	640
C 03596 POD1	C	LE	3	3	4	22	26S	33E	636017	3543756	225		

Average Depth to Water: **157 feet**

Minimum Depth: **110 feet**

Maximum Depth: **220 feet**

Record Count: 13

PLSS Search:

Township: 26S **Range:** 33E

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

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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320059103333501

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

USGS 320059103333501 26S.33E.27.21112

Lea County, New Mexico
Latitude 32°01'16.0", Longitude 103°33'33.9" NAD83
Land-surface elevation 3,252.00 feet above NGVD29
The depth of the well is 200 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1954-07-26		D	62610		3172.29	NGVD29	1	Z			A
1954-07-26		D	62611		3173.87	NAVD88	1	Z			A
1954-07-26		D	72019	79.71			1	Z			A
1976-01-08		D	62610		3175.48	NGVD29	1	Z			A
1976-01-08		D	62611		3177.06	NAVD88	1	Z			A
1976-01-08		D	72019	76.52			1	Z			A
1986-03-04		D	62610		3174.86	NGVD29	1	Z			A
1986-03-04		D	62611		3176.44	NAVD88	1	Z			A
1986-03-04		D	72019	77.14			1	Z			A
1990-11-27		D	62610		3175.46	NGVD29	1	Z			A
1990-11-27		D	62611		3177.04	NAVD88	1	Z			A
1990-11-27		D	72019	76.54			1	Z			A
1996-03-05		D	62610		3174.61	NGVD29	1	S			A
1996-03-05		D	62611		3176.19	NAVD88	1	S			A
1996-03-05		D	72019	77.39			1	S			A
2001-02-27		D	62610		3175.40	NGVD29	1	S			A
2001-02-27		D	62611		3176.98	NAVD88	1	S			A
2001-02-27		D	72019	76.60			1	S			A

Explanation

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

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

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Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2021-04-27 12:30:30 EDT
0.4 0.35 nadww01

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320056103333501

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

USGS 320056103333501 26S.33E.27.21132

Lea County, New Mexico
Latitude 32°00'56", Longitude 103°33'35" NAD27
Land-surface elevation 3,273 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1970-12-07		D	62610		3195.49	NGVD29	1	Z			A
1970-12-07		D	62611		3197.07	NAVD88	1	Z			A
1970-12-07		D	72019	75.93			1	Z			A
1976-01-08		D	62610		3195.65	NGVD29	1	Z			A
1976-01-08		D	62611		3197.23	NAVD88	1	Z			A
1976-01-08		D	72019	75.77			1	Z			A
1981-03-25		D	62610		3191.25	NGVD29	1	Z			A
1981-03-25		D	62611		3192.83	NAVD88	1	Z			A
1981-03-25		D	72019	80.17			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
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	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2021-04-27 12:26:56 EDT
0.34 0.31 nadww01

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	? Meth mea

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320245103335901

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

USGS 320245103335901 26S.33E.10.334343

Lea County, New Mexico
Latitude 32°02'45", Longitude 103°33'59" NAD27
Land-surface elevation 3,291 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1970-12-07		D	62610		3162.10	NGVD29	3	Z			A
1970-12-07		D	62611		3163.68	NAVD88	3	Z			A
1970-12-07		D	72019	127.32			3	Z			A
1976-01-08		D	62610		3165.46	NGVD29	1	Z			A
1976-01-08		D	62611		3167.04	NAVD88	1	Z			A
1976-01-08		D	72019	123.96			1	Z			A
1981-03-25		D	62610		3165.27	NGVD29	1	Z			A
1981-03-25		D	62611		3166.85	NAVD88	1	Z			A
1981-03-25		D	72019	124.15			1	Z			A
1986-03-04		D	62610		3165.01	NGVD29	1	Z			A
1986-03-04		D	62611		3166.59	NAVD88	1	Z			A
1986-03-04		D	72019	124.41			1	Z			A
1990-11-27		D	62610		3164.82	NGVD29	1	Z			A
1990-11-27		D	62611		3166.40	NAVD88	1	Z			A
1990-11-27		D	72019	124.60			1	Z			A
1996-03-05		D	62610		3164.92	NGVD29	1	S			A
1996-03-05		D	62611		3166.50	NAVD88	1	S			A
1996-03-05		D	72019	124.50			1	S			A
2001-02-27		D	62610		3164.98	NGVD29	1	S			A
2001-02-27		D	62611		3166.56	NAVD88	1	S			A
2001-02-27		D	72019	124.44			1	S			A

Explanation

Section	Code	Description

Appendix C

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-1658-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Dogwood 23 Fed CTB

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

JKRAMER

Authorized for release by:
4/30/2021 6:42:12 PM

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

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

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

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Laboratory Job ID: 880-1658-1
SDG: Lea Co, NM

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1658-1
SDG: Lea Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1658-1
SDG: Lea Co, NM

Job ID: 880-1658-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-1658-1

Receipt
The samples were received on 4/27/2021 5:03 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: S-1 (0-6") (880-1658-1). 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
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: Dogwood 23 Fed CTB

Job ID: 880-1658-1
SDG: Lea Co, NM

Client Sample ID: S-1 (0-6")

Lab Sample ID: 880-1658-1
Matrix: Solid
Date Collected: 04/26/21 00:00
Date Received: 04/27/21 17:03

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		04/27/21 13:10	04/29/21 08:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 08:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 08:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/21 13:10	04/29/21 08:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 08:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/21 13:10	04/29/21 08:28	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/27/21 13:10	04/29/21 08:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*04/27/21 13:10*	*04/29/21 08:28*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/27/21 13:10*	*04/29/21 08:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/28/21 09:54	04/29/21 05:12	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/28/21 09:54	04/29/21 05:12	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/28/21 09:54	04/29/21 05:12	1
Total TPH	<50.1	U	50.1		mg/Kg		04/28/21 09:54	04/29/21 05:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*04/28/21 09:54*	*04/29/21 05:12*	*1*
o-Terphenyl	*98*		*70 - 130*	*04/28/21 09:54*	*04/29/21 05:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**189**		5.03		mg/Kg			04/29/21 02:18	1

Client Sample ID: S-2 (0-6")

Lab Sample ID: 880-1658-2
Matrix: Solid
Date Collected: 04/26/21 00:00
Date Received: 04/27/21 17:03

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		04/27/21 13:10	04/29/21 08:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 08:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 08:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/21 13:10	04/29/21 08:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 08:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/21 13:10	04/29/21 08:49	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/27/21 13:10	04/29/21 08:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*04/27/21 13:10*	*04/29/21 08:49*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/27/21 13:10*	*04/29/21 08:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/28/21 09:54	04/29/21 05:34	1

Client Sample Results

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1658-1
SDG: Lea Co, NM

Client Sample ID: S-2 (0-6")

Lab Sample ID: 880-1658-2
Matrix: Solid
Date Collected: 04/26/21 00:00
Date Received: 04/27/21 17:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/28/21 09:54	04/29/21 05:34	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/28/21 09:54	04/29/21 05:34	1
Total TPH	<49.9	U	49.9		mg/Kg		04/28/21 09:54	04/29/21 05:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*04/28/21 09:54*	*04/29/21 05:34*	*1*
o-Terphenyl	*88*		*70 - 130*	*04/28/21 09:54*	*04/29/21 05:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**338**		5.04		mg/Kg			04/29/21 02:23	1

Client Sample ID: S-3 (0-6")

Lab Sample ID: 880-1658-3
Matrix: Solid
Date Collected: 04/26/21 00:00
Date Received: 04/27/21 17:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0301**		0.00200		mg/Kg		04/27/21 13:10	04/29/21 09:09	1
Toluene	**4.44**		0.0996		mg/Kg		04/29/21 10:35	04/30/21 15:34	50
Ethylbenzene	**0.258**		0.00200		mg/Kg		04/27/21 13:10	04/29/21 09:09	1
m-Xylene & p-Xylene	**20.8**		0.199		mg/Kg		04/29/21 10:35	04/30/21 15:34	50
o-Xylene	**5.37**		0.0996		mg/Kg		04/29/21 10:35	04/30/21 15:34	50
Xylenes, Total	**26.2**		0.199		mg/Kg		04/29/21 10:35	04/30/21 15:34	50
Total BTEX	**32.4**		0.199		mg/Kg		04/29/21 10:35	04/30/21 15:34	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*197*	*S1+*	*70 - 130*	*04/27/21 13:10*	*04/29/21 09:09*	*1*
1,4-Difluorobenzene (Surr)	*125*		*70 - 130*	*04/27/21 13:10*	*04/29/21 09:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1300**		49.9		mg/Kg		04/28/21 09:54	04/29/21 05:54	1
Diesel Range Organics (Over C10-C28)	**7470**		49.9		mg/Kg		04/28/21 09:54	04/29/21 05:54	1
Oll Range Organics (Over C28-C36)	**891**		49.9		mg/Kg		04/28/21 09:54	04/29/21 05:54	1
Total TPH	**9660**		49.9		mg/Kg		04/28/21 09:54	04/29/21 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*04/28/21 09:54*	*04/29/21 05:54*	*1*
o-Terphenyl	*79*		*70 - 130*	*04/28/21 09:54*	*04/29/21 05:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1160**		5.00		mg/Kg			04/29/21 02:28	1

Surrogate Summary

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1658-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
880-1658-1	S-1 (0-6")	86	92										
880-1658-2	S-2 (0-6")	98	92										
880-1658-3	S-3 (0-6")	197 S1+	125										
LCS 880-2385/1-A	Lab Control Sample	109	97										
LCS 880-2417/1-A	Lab Control Sample	106	99										
LCS 880-2477/1-A	Lab Control Sample	109	113										
LCSD 880-2385/2-A	Lab Control Sample Dup	108	97										
LCSD 880-2417/2-A	Lab Control Sample Dup	101	99										
LCSD 880-2477/2-A	Lab Control Sample Dup	112	105										
MB 880-2385/5-A	Method Blank	89	88										
MB 880-2417/5-A	Method Blank	89	92										
MB 880-2477/5-A	Method Blank	75	88										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
880-1658-1	S-1 (0-6")	104	98										
880-1658-2	S-2 (0-6")	96	88										
880-1658-3	S-3 (0-6")	132 S1+	79										
LCS 880-2429/2-A	Lab Control Sample	137 S1+	119										
LCSD 880-2429/3-A	Lab Control Sample Dup	124	107										
MB 880-2429/1-A	Method Blank	112	106										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1658-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2385/5-A
Matrix: Solid
Analysis Batch: 2445

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2385

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:10	04/29/21 01:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:10	04/29/21 01:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:10	04/29/21 01:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/27/21 13:10	04/29/21 01:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:10	04/29/21 01:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/27/21 13:10	04/29/21 01:18	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/27/21 13:10	04/29/21 01:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*04/27/21 13:10*	*04/29/21 01:18*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*04/27/21 13:10*	*04/29/21 01:18*	*1*

Lab Sample ID: LCS 880-2385/1-A
Matrix: Solid
Analysis Batch: 2445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2385

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.07382		mg/Kg		74	70 - 130		
Toluene			0.100	0.07586		mg/Kg		76	70 - 130		
Ethylbenzene			0.100	0.08353		mg/Kg		84	70 - 130		
m-Xylene & p-Xylene			0.200	0.1749		mg/Kg		87	70 - 130		
o-Xylene			0.100	0.09200		mg/Kg		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 880-2385/2-A
Matrix: Solid
Analysis Batch: 2445

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2385

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.07629		mg/Kg		76	70 - 130	3	35
Toluene			0.100	0.07779		mg/Kg		78	70 - 130	3	35
Ethylbenzene			0.100	0.08518		mg/Kg		85	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1776		mg/Kg		89	70 - 130	2	35
o-Xylene			0.100	0.09308		mg/Kg		93	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: MB 880-2417/5-A
Matrix: Solid
Analysis Batch: 2445

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2417

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:00	04/28/21 14:28	1

QC Sample Results

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1658-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-2417/5-A
Matrix: Solid
Analysis Batch: 2445

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2417

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:00	04/28/21 14:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:00	04/28/21 14:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/28/21 09:00	04/28/21 14:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:00	04/28/21 14:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/28/21 09:00	04/28/21 14:28	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/28/21 09:00	04/28/21 14:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*04/28/21 09:00*	*04/28/21 14:28*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/28/21 09:00*	*04/28/21 14:28*	*1*

Lab Sample ID: LCS 880-2417/1-A
Matrix: Solid
Analysis Batch: 2445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2417

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.07918		mg/Kg		79	70 - 130		
Toluene			0.100	0.08112		mg/Kg		81	70 - 130		
Ethylbenzene			0.100	0.08881		mg/Kg		89	70 - 130		
m-Xylene & p-Xylene			0.200	0.1865		mg/Kg		93	70 - 130		
o-Xylene			0.100	0.09652		mg/Kg		97	70 - 130		

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

Lab Sample ID: LCSD 880-2417/2-A
Matrix: Solid
Analysis Batch: 2445

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2417

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08004		mg/Kg		80	70 - 130	1	35
Toluene			0.100	0.08054		mg/Kg		81	70 - 130	1	35
Ethylbenzene			0.100	0.08712		mg/Kg		87	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1819		mg/Kg		91	70 - 130	3	35
o-Xylene			0.100	0.09399		mg/Kg		94	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 880-2477/5-A
Matrix: Solid
Analysis Batch: 2546

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2477

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/29/21 10:35	04/30/21 14:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/21 10:35	04/30/21 14:43	1

QC Sample Results

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1658-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-2477/5-A
Matrix: Solid
Analysis Batch: 2546

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2477

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/21 10:35	04/30/21 14:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/29/21 10:35	04/30/21 14:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/21 10:35	04/30/21 14:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/29/21 10:35	04/30/21 14:43	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/29/21 10:35	04/30/21 14:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*04/29/21 10:35*	*04/30/21 14:43*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*04/29/21 10:35*	*04/30/21 14:43*	*1*

Lab Sample ID: LCS 880-2477/1-A
Matrix: Solid
Analysis Batch: 2546

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2477

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1084		mg/Kg		108	70 - 130		
Toluene			0.100	0.1020		mg/Kg		102	70 - 130		
Ethylbenzene			0.100	0.1163		mg/Kg		116	70 - 130		
m-Xylene & p-Xylene			0.200	0.2150		mg/Kg		107	70 - 130		
o-Xylene			0.100	0.1212		mg/Kg		121	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: LCSD 880-2477/2-A
Matrix: Solid
Analysis Batch: 2546

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2477

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1091		mg/Kg		109	70 - 130	1	35
Toluene			0.100	0.1152		mg/Kg		115	70 - 130	12	35
Ethylbenzene			0.100	0.1154		mg/Kg		115	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2092		mg/Kg		105	70 - 130	3	35
o-Xylene			0.100	0.1157		mg/Kg		116	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1658-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-2429/1-A
Matrix: Solid
Analysis Batch: 2425

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2429

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		04/28/21 09:54	04/28/21 21:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/28/21 09:54	04/28/21 21:10	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/21 09:54	04/28/21 21:10	1
Total TPH	<50.0	U	50.0		mg/Kg		04/28/21 09:54	04/28/21 21:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*04/28/21 09:54*	*04/28/21 21:10*	*1*
o-Terphenyl	*106*		*70 - 130*	*04/28/21 09:54*	*04/28/21 21:10*	*1*

Lab Sample ID: LCS 880-2429/2-A
Matrix: Solid
Analysis Batch: 2425

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2429

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1304		mg/Kg		130	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1077		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*137*	*S1+*	*70 - 130*
o-Terphenyl	*119*		*70 - 130*

Lab Sample ID: LCSD 880-2429/3-A
Matrix: Solid
Analysis Batch: 2425

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2429

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1248		mg/Kg		125	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	986.0		mg/Kg		99	70 - 130	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*124*		*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2442/1-A
Matrix: Solid
Analysis Batch: 2465

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			04/28/21 23:53	1

QC Sample Results

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1658-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-2442/2-A
Matrix: Solid
Analysis Batch: 2465

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	256.0		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-2442/3-A
Matrix: Solid
Analysis Batch: 2465

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	253.9		mg/Kg		102	90 - 110	1	20

QC Association Summary

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1658-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 2385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1658-1	S-1 (0-6")	Total/NA	Solid	5035	
880-1658-2	S-2 (0-6")	Total/NA	Solid	5035	
880-1658-3	S-3 (0-6")	Total/NA	Solid	5035	
MB 880-2385/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2385/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2385/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 2417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-2417/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2417/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2417/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 2445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1658-1	S-1 (0-6")	Total/NA	Solid	8021B	2385
880-1658-2	S-2 (0-6")	Total/NA	Solid	8021B	2385
880-1658-3	S-3 (0-6")	Total/NA	Solid	8021B	2385
MB 880-2385/5-A	Method Blank	Total/NA	Solid	8021B	2385
MB 880-2417/5-A	Method Blank	Total/NA	Solid	8021B	2417
LCS 880-2385/1-A	Lab Control Sample	Total/NA	Solid	8021B	2385
LCS 880-2417/1-A	Lab Control Sample	Total/NA	Solid	8021B	2417
LCSD 880-2385/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2385
LCSD 880-2417/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2417

Prep Batch: 2477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1658-3	S-3 (0-6")	Total/NA	Solid	5035	
MB 880-2477/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2477/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2477/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 2546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1658-3	S-3 (0-6")	Total/NA	Solid	8021B	2477
MB 880-2477/5-A	Method Blank	Total/NA	Solid	8021B	2477
LCS 880-2477/1-A	Lab Control Sample	Total/NA	Solid	8021B	2477
LCSD 880-2477/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2477

GC Semi VOA

Analysis Batch: 2425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1658-1	S-1 (0-6")	Total/NA	Solid	8015B NM	2429
880-1658-2	S-2 (0-6")	Total/NA	Solid	8015B NM	2429
880-1658-3	S-3 (0-6")	Total/NA	Solid	8015B NM	2429
MB 880-2429/1-A	Method Blank	Total/NA	Solid	8015B NM	2429
LCS 880-2429/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2429
LCSD 880-2429/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2429

QC Association Summary

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1658-1
SDG: Lea Co, NM

GC Semi VOA

Prep Batch: 2429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1658-1	S-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-1658-2	S-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-1658-3	S-3 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-2429/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2429/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2429/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 2442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1658-1	S-1 (0-6")	Soluble	Solid	DI Leach	
880-1658-2	S-2 (0-6")	Soluble	Solid	DI Leach	
880-1658-3	S-3 (0-6")	Soluble	Solid	DI Leach	
MB 880-2442/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2442/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2442/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 2465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1658-1	S-1 (0-6")	Soluble	Solid	300.0	2442
880-1658-2	S-2 (0-6")	Soluble	Solid	300.0	2442
880-1658-3	S-3 (0-6")	Soluble	Solid	300.0	2442
MB 880-2442/1-A	Method Blank	Soluble	Solid	300.0	2442
LCS 880-2442/2-A	Lab Control Sample	Soluble	Solid	300.0	2442
LCSD 880-2442/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2442

Lab Chronicle

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1658-1
SDG: Lea Co, NM

Client Sample ID: S-1 (0-6")

Lab Sample ID: 880-1658-1
Matrix: Solid
Date Collected: 04/26/21 00:00
Date Received: 04/27/21 17:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2385	04/27/21 13:10	KL	XM
Total/NA	Analysis	8021B		1	2445	04/29/21 08:28	KL	XM
Total/NA	Prep	8015NM Prep			2429	04/28/21 09:54	DM	XM
Total/NA	Analysis	8015B NM		1	2425	04/29/21 05:12	AJ	XM
Soluble	Leach	DI Leach			2442	04/28/21 11:05	CH	XM
Soluble	Analysis	300.0		1	2465	04/29/21 02:18	CH	XM

Client Sample ID: S-2 (0-6")

Lab Sample ID: 880-1658-2
Matrix: Solid
Date Collected: 04/26/21 00:00
Date Received: 04/27/21 17:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2385	04/27/21 13:10	KL	XM
Total/NA	Analysis	8021B		1	2445	04/29/21 08:49	KL	XM
Total/NA	Prep	8015NM Prep			2429	04/28/21 09:54	DM	XM
Total/NA	Analysis	8015B NM		1	2425	04/29/21 05:34	AJ	XM
Soluble	Leach	DI Leach			2442	04/28/21 11:05	CH	XM
Soluble	Analysis	300.0		1	2465	04/29/21 02:23	CH	XM

Client Sample ID: S-3 (0-6")

Lab Sample ID: 880-1658-3
Matrix: Solid
Date Collected: 04/26/21 00:00
Date Received: 04/27/21 17:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2385	04/27/21 13:10	KL	XM
Total/NA	Analysis	8021B		1	2445	04/29/21 09:09	KL	XM
Total/NA	Prep	5035			2477	04/29/21 10:35	MR	XM
Total/NA	Analysis	8021B		50	2546	04/30/21 15:34	MR	XM
Total/NA	Prep	8015NM Prep			2429	04/28/21 09:54	DM	XM
Total/NA	Analysis	8015B NM		1	2425	04/29/21 05:54	AJ	XM
Soluble	Leach	DI Leach			2442	04/28/21 11:05	CH	XM
Soluble	Analysis	300.0		1	2465	04/29/21 02:28	CH	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1658-1
SDG: Lea Co, NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

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

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1658-1
SDG: Lea Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1658-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-1658-1	S-1 (0-6")	Solid	04/26/21 00:00	04/27/21 17:03	
880-1658-2	S-2 (0-6")	Solid	04/26/21 00:00	04/27/21 17:03	
880-1658-3	S-3 (0-6")	Solid	04/26/21 00:00	04/27/21 17:03	

NTG ENVIRONMENTAL

880-1658 Chain of Custody

Work Order No: 1658

4/30/2021

Page 1 of 1

Project Manager	Mike Carmona	Bill to: (if different)	Todd Wells
Company Name	NTG Environmental	Company Name	EOG Resources
Address:	701 Tradewinds BLVD	Address.	5509 Champions Dr
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland Tx 79706
Phone:	432-813-0263	Email.	Todd Wells@eogresources

Work Order Comments

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

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Dogwood 23 Fed CTB	Turn Around	
Project Number	214188	☐ Routine ☑ Rush	
Project Location	Lea Co, NM	Due Date	72 Hrs
Sampler's Name:	CRM	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID	5A IR8
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	+0.5
Sample Custody Seals:	Yes No (N/A)	Temperature Reading	5.1/5.6
Total Containers.		Corrected Temperature:	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD
S-1 (0-6")	4/26/2021	-	X		G	1		X	X	X	
S-2 (0-6")	4/26/2021	-	X		G	1		X	X	X	
S-3 (0-6")	4/26/2021	-	X		G	1		X	X	X	

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL HC HNO_3 HN

H_2S0_4 H_2 NaOH Na

H_3PO_4 HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Comments

Additoinal Comments:

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 Mike Carmona	Kelly	4/27/21 1606	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-1658-1
SDG Number: Lea Co, NM

Login Number: 1658
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.	False	No sample times on COC
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	

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-1660-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Dogwood 23 Fed CTB

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

JKramer

Authorized for release by:
4/30/2021 7:59:31 PM

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

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

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

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Laboratory Job ID: 880-1660-1
SDG: Lea Co, NM

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1660-1
SDG: Lea Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1660-1
SDG: Lea Co, NM

Job ID: 880-1660-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-1660-1

Receipt
The samples were received on 4/27/2021 4:06 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C

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

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

HPLC/IC
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: Dogwood 23 Fed CTB

Job ID: 880-1660-1
SDG: Lea Co, NM

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-1660-1
Matrix: Solid
Date Collected: 04/26/21 00:00
Date Received: 04/27/21 16:06

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		04/28/21 09:00	04/28/21 21:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/28/21 09:00	04/28/21 21:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/28/21 09:00	04/28/21 21:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/28/21 09:00	04/28/21 21:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/28/21 09:00	04/28/21 21:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/28/21 09:00	04/28/21 21:38	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/28/21 09:00	04/28/21 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*04/28/21 09:00*	*04/28/21 21:38*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/28/21 09:00*	*04/28/21 21:38*	*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 F1	49.9		mg/Kg		04/28/21 10:09	04/29/21 22:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/28/21 10:09	04/29/21 22:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/28/21 10:09	04/29/21 22:08	1
Total TPH	<49.9	U	49.9		mg/Kg		04/28/21 10:09	04/29/21 22:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*04/28/21 10:09*	*04/29/21 22:08*	*1*
o-Terphenyl	*116*		*70 - 130*	*04/28/21 10:09*	*04/29/21 22:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**349**		4.99		mg/Kg			04/29/21 22:02	1

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-1660-2
Matrix: Solid
Date Collected: 04/26/21 00:00
Date Received: 04/27/21 16:06

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		04/28/21 09:00	04/28/21 21:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/28/21 09:00	04/28/21 21:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/28/21 09:00	04/28/21 21:58	1
m-Xylene & p-Xylene	**0.00626**		0.00403		mg/Kg		04/28/21 09:00	04/28/21 21:58	1
o-Xylene	**0.00245**		0.00202		mg/Kg		04/28/21 09:00	04/28/21 21:58	1
Xylenes, Total	**0.00871**		0.00403		mg/Kg		04/28/21 09:00	04/28/21 21:58	1
Total BTEX	**0.00871**		0.00403		mg/Kg		04/28/21 09:00	04/28/21 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/28/21 09:00*	*04/28/21 21:58*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/28/21 09:00*	*04/28/21 21:58*	*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		04/28/21 10:09	04/29/21 23:12	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1660-1
SDG: Lea Co, NM

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-1660-2
Matrix: Solid
Date Collected: 04/26/21 00:00
Date Received: 04/27/21 16:06

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/28/21 10:09	04/29/21 23:12	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/28/21 10:09	04/29/21 23:12	1
Total TPH	<49.9	U	49.9		mg/Kg		04/28/21 10:09	04/29/21 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*04/28/21 10:09*	*04/29/21 23:12*	*1*
o-Terphenyl	*112*		*70 - 130*	*04/28/21 10:09*	*04/29/21 23:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**147**		5.05		mg/Kg			04/29/21 22:17	1

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-1660-3
Matrix: Solid
Date Collected: 04/26/21 00:00
Date Received: 04/27/21 16:06

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		04/28/21 09:00	04/28/21 22:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:00	04/28/21 22:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:00	04/28/21 22:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/28/21 09:00	04/28/21 22:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:00	04/28/21 22:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/28/21 09:00	04/28/21 22:18	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/28/21 09:00	04/28/21 22:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*04/28/21 09:00*	*04/28/21 22:18*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/28/21 09:00*	*04/28/21 22:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/28/21 10:09	04/29/21 23:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/28/21 10:09	04/29/21 23:33	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/28/21 10:09	04/29/21 23:33	1
Total TPH	<49.8	U	49.8		mg/Kg		04/28/21 10:09	04/29/21 23:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*04/28/21 10:09*	*04/29/21 23:33*	*1*
o-Terphenyl	*113*		*70 - 130*	*04/28/21 10:09*	*04/29/21 23:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13100**		50.2		mg/Kg			04/30/21 12:40	10

Surrogate Summary

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1660-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-1660-1	H-1 (0-6")	96	94
880-1660-2	H-2 (0-6")	100	92
880-1660-3	H-3 (0-6")	95	93
LCS 880-2417/1-A	Lab Control Sample	106	99
LCSD 880-2417/2-A	Lab Control Sample Dup	101	99
MB 880-2417/5-A	Method Blank	89	92

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-1660-1	H-1 (0-6")	116	116
880-1660-1 MS	H-1 (0-6")	124	111
880-1660-1 MSD	H-1 (0-6")	122	111
880-1660-2	H-2 (0-6")	113	112
880-1660-3	H-3 (0-6")	116	113
LCS 880-2430/2-A	Lab Control Sample	115	108
LCSD 880-2430/3-A	Lab Control Sample Dup	111	106
MB 880-2430/1-A	Method Blank	111	109

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1660-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2417/5-A
Matrix: Solid
Analysis Batch: 2445

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2417

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:00	04/28/21 14:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:00	04/28/21 14:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:00	04/28/21 14:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/28/21 09:00	04/28/21 14:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:00	04/28/21 14:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/28/21 09:00	04/28/21 14:28	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/28/21 09:00	04/28/21 14:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*04/28/21 09:00*	*04/28/21 14:28*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/28/21 09:00*	*04/28/21 14:28*	*1*

Lab Sample ID: LCS 880-2417/1-A
Matrix: Solid
Analysis Batch: 2445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2417

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.07918		mg/Kg		79	70 - 130		
Toluene			0.100	0.08112		mg/Kg		81	70 - 130		
Ethylbenzene			0.100	0.08881		mg/Kg		89	70 - 130		
m-Xylene & p-Xylene			0.200	0.1865		mg/Kg		93	70 - 130		
o-Xylene			0.100	0.09652		mg/Kg		97	70 - 130		

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

Lab Sample ID: LCSD 880-2417/2-A
Matrix: Solid
Analysis Batch: 2445

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2417

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08004		mg/Kg		80	70 - 130	1	35
Toluene			0.100	0.08054		mg/Kg		81	70 - 130	1	35
Ethylbenzene			0.100	0.08712		mg/Kg		87	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1819		mg/Kg		91	70 - 130	3	35
o-Xylene			0.100	0.09399		mg/Kg		94	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1660-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-2430/1-A
Matrix: Solid
Analysis Batch: 2466

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2430

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		04/28/21 10:09	04/29/21 21:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/29/21 21:04	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/29/21 21:04	1
Total TPH	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/29/21 21:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*04/28/21 10:09*	*04/29/21 21:04*	*1*
o-Terphenyl	*109*		*70 - 130*	*04/28/21 10:09*	*04/29/21 21:04*	*1*

Lab Sample ID: LCS 880-2430/2-A
Matrix: Solid
Analysis Batch: 2466

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2430

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1076		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	991.3		mg/Kg		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*115*		*70 - 130*
o-Terphenyl	*108*		*70 - 130*

Lab Sample ID: LCSD 880-2430/3-A
Matrix: Solid
Analysis Batch: 2466

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2430

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1053		mg/Kg		105	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	962.4		mg/Kg		96	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*106*		*70 - 130*

Lab Sample ID: 880-1660-1 MS
Matrix: Solid
Analysis Batch: 2466

Client Sample ID: H-1 (0-6")
Prep Type: Total/NA
Prep Batch: 2430

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 F1	998	1291		mg/Kg		129	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1142		mg/Kg		112	70 - 130

QC Sample Results

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1660-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-1660-1 MS
Matrix: Solid
Analysis Batch: 2466

Client Sample ID: H-1 (0-6")
Prep Type: Total/NA
Prep Batch: 2430

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*124*		*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Lab Sample ID: 880-1660-1 MSD
Matrix: Solid
Analysis Batch: 2466

Client Sample ID: H-1 (0-6")
Prep Type: Total/NA
Prep Batch: 2430

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 F1	998	1310	F1	mg/Kg		131	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1153		mg/Kg		113	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*122*		*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2488/1-A
Matrix: Solid
Analysis Batch: 2512

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			04/29/21 21:46	1

Lab Sample ID: LCS 880-2488/2-A
Matrix: Solid
Analysis Batch: 2512

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	244.8		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-2488/3-A
Matrix: Solid
Analysis Batch: 2512

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	245.0		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-1660-1 MS
Matrix: Solid
Analysis Batch: 2512

Client Sample ID: H-1 (0-6")
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	349		250	574.3		mg/Kg		90	90 - 110

QC Sample Results

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1660-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-1660-1 MSD
Matrix: Solid
Analysis Batch: 2512

Client Sample ID: H-1 (0-6")
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	349		250	574.5		mg/Kg		90	90 - 110	0	20

QC Association Summary

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1660-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 2417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1660-1	H-1 (0-6")	Total/NA	Solid	5035	
880-1660-2	H-2 (0-6")	Total/NA	Solid	5035	
880-1660-3	H-3 (0-6")	Total/NA	Solid	5035	
MB 880-2417/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2417/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2417/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 2445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1660-1	H-1 (0-6")	Total/NA	Solid	8021B	2417
880-1660-2	H-2 (0-6")	Total/NA	Solid	8021B	2417
880-1660-3	H-3 (0-6")	Total/NA	Solid	8021B	2417
MB 880-2417/5-A	Method Blank	Total/NA	Solid	8021B	2417
LCS 880-2417/1-A	Lab Control Sample	Total/NA	Solid	8021B	2417
LCSD 880-2417/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2417

GC Semi VOA

Prep Batch: 2430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1660-1	H-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-1660-2	H-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-1660-3	H-3 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-2430/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2430/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2430/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-1660-1 MS	H-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-1660-1 MSD	H-1 (0-6")	Total/NA	Solid	8015NM Prep	

Analysis Batch: 2466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1660-1	H-1 (0-6")	Total/NA	Solid	8015B NM	2430
880-1660-2	H-2 (0-6")	Total/NA	Solid	8015B NM	2430
880-1660-3	H-3 (0-6")	Total/NA	Solid	8015B NM	2430
MB 880-2430/1-A	Method Blank	Total/NA	Solid	8015B NM	2430
LCS 880-2430/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2430
LCSD 880-2430/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2430
880-1660-1 MS	H-1 (0-6")	Total/NA	Solid	8015B NM	2430
880-1660-1 MSD	H-1 (0-6")	Total/NA	Solid	8015B NM	2430

HPLC/IC

Leach Batch: 2488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1660-1	H-1 (0-6")	Soluble	Solid	DI Leach	
880-1660-2	H-2 (0-6")	Soluble	Solid	DI Leach	
880-1660-3	H-3 (0-6")	Soluble	Solid	DI Leach	
MB 880-2488/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2488/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2488/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1660-1 MS	H-1 (0-6")	Soluble	Solid	DI Leach	
880-1660-1 MSD	H-1 (0-6")	Soluble	Solid	DI Leach	

QC Association Summary

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1660-1
SDG: Lea Co, NM

HPLC/IC

Analysis Batch: 2512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1660-1	H-1 (0-6")	Soluble	Solid	300.0	2488
880-1660-2	H-2 (0-6")	Soluble	Solid	300.0	2488
880-1660-3	H-3 (0-6")	Soluble	Solid	300.0	2488
MB 880-2488/1-A	Method Blank	Soluble	Solid	300.0	2488
LCS 880-2488/2-A	Lab Control Sample	Soluble	Solid	300.0	2488
LCSD 880-2488/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2488
880-1660-1 MS	H-1 (0-6")	Soluble	Solid	300.0	2488
880-1660-1 MSD	H-1 (0-6")	Soluble	Solid	300.0	2488

Lab Chronicle

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1660-1
SDG: Lea Co, NM

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-1660-1
Date Collected: 04/26/21 00:00
Matrix: Solid
Date Received: 04/27/21 16:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2417	04/28/21 09:00	KL	XM
Total/NA	Analysis	8021B		1	2445	04/28/21 21:38	KL	XM
Total/NA	Prep	8015NM Prep			2430	04/28/21 10:09	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 22:08	AJ	XM
Soluble	Leach	DI Leach			2488	04/29/21 11:24	SC	XM
Soluble	Analysis	300.0		1	2512	04/29/21 22:02	SC	XM

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-1660-2
Date Collected: 04/26/21 00:00
Matrix: Solid
Date Received: 04/27/21 16:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2417	04/28/21 09:00	KL	XM
Total/NA	Analysis	8021B		1	2445	04/28/21 21:58	KL	XM
Total/NA	Prep	8015NM Prep			2430	04/28/21 10:09	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 23:12	AJ	XM
Soluble	Leach	DI Leach			2488	04/29/21 11:24	SC	XM
Soluble	Analysis	300.0		1	2512	04/29/21 22:17	SC	XM

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-1660-3
Date Collected: 04/26/21 00:00
Matrix: Solid
Date Received: 04/27/21 16:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2417	04/28/21 09:00	KL	XM
Total/NA	Analysis	8021B		1	2445	04/28/21 22:18	KL	XM
Total/NA	Prep	8015NM Prep			2430	04/28/21 10:09	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 23:33	AJ	XM
Soluble	Leach	DI Leach			2488	04/29/21 11:24	SC	XM
Soluble	Analysis	300.0		10	2512	04/30/21 12:40	SC	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1660-1
SDG: Lea Co, NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

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

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1660-1
SDG: Lea Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: Dogwood 23 Fed CTB

Job ID: 880-1660-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-1660-1	H-1 (0-6")	Solid	04/26/21 00:00	04/27/21 16:06	
880-1660-2	H-2 (0-6")	Solid	04/26/21 00:00	04/27/21 16:06	
880-1660-3	H-3 (0-6")	Solid	04/26/21 00:00	04/27/21 16:06	

Chain of Custody

NTG ENVIRONMENTAL

880-1660 Chain of Custody

Work Order No: 1660

4/30/2021

Page 1 of 1

Project Manager	Mike Carmona	Bill to: (if different)	Todd Wells
Company Name.	NTG Environmental	Company Name.	EOG Resources
Address.	701 Tradewinds BLVD	Address.	5509 Champions Dr
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland, Tx 79706
Phone:	432-813-0263	Email.	Todd Wells@eogresources

Work Order Comments

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

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Dogwood 23 Fed CTB	Turn Around	
Project Number	214188	☐ Routine ☑ Rush	
Project Location	Lea Co, NM	Due Date	72 Hrs
Sampler's Name:	CRM	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Wet Ice	
Received Intact:	(Yes) No	Thermometer ID	IR8
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	+0.5
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	5.1
Total Containers.		Corrected Temperature.	5.6

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
H-1 (0-6")	4/26/2021	-	X		G	1		X	X	X		
H-2 (0-6")	4/26/2021	-	X		G	1		X	X	X		
H-3 (0-6")	4/26/2021	-	X		G	1		X	X	X		

Additoinal Comments:

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

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by. (Signature)	Date/Time
1		4/27/21 1006	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020 1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-1660-1
SDG Number: Lea Co, NM

Login Number: 1660
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.	False	No sample times on COC
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	

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-2137-1
Laboratory Sample Delivery Group: LEA CO, NM
Client Project/Site: EOG-DOGWOOD 23 FED CTB

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

JKRAMER

Authorized for release by:
5/14/2021 3:10:23 PM

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

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

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

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Laboratory Job ID: 880-2137-1
SDG: LEA CO, NM

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

Qualifiers

GC VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

Job ID: 880-2137-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-2137-1

Receipt
The samples were received on 5/13/2021 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.3°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-3053 and analytical batch 880-3051 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: Internal standard responses were outside of acceptance limits for the following samples: CS-3 (880-2137-3), CS-4 (880-2137-4) and SW-3 (880-2137-8). The sample(s) shows evidence of matrix interference.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-3 (880-2137-8). 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 880-3053 and analytical batch 880-3051 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

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

Client Sample Results

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

Client Sample ID: CS-1

Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Lab Sample ID: 880-2137-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/13/21 11:30	05/13/21 13:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/13/21 11:30	05/13/21 13:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/13/21 11:30	05/13/21 13:12	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/13/21 11:30	05/13/21 13:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/13/21 11:30	05/13/21 13:12	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/13/21 11:30	05/13/21 13:12	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		05/13/21 11:30	05/13/21 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*05/13/21 11:30*	*05/13/21 13:12*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/13/21 11:30*	*05/13/21 13:12*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/13/21 11:18	05/13/21 12:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/13/21 11:18	05/13/21 12:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/13/21 11:18	05/13/21 12:49	1
Total TPH	<49.9	U	49.9		mg/Kg		05/13/21 11:18	05/13/21 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*05/13/21 11:18*	*05/13/21 12:49*	*1*
o-Terphenyl	*101*		*70 - 130*	*05/13/21 11:18*	*05/13/21 12:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39.5**	**F1**	5.00		mg/Kg			05/14/21 10:08	1

Client Sample ID: CS-2

Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Lab Sample ID: 880-2137-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200		mg/Kg		05/13/21 11:30	05/13/21 13:15	1
Toluene	<0.00200	U F2 F1	0.00200		mg/Kg		05/13/21 11:30	05/13/21 13:15	1
Ethylbenzene	<0.00200	U F2 F1	0.00200		mg/Kg		05/13/21 11:30	05/13/21 13:15	1
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.00401		mg/Kg		05/13/21 11:30	05/13/21 13:15	1
o-Xylene	<0.00200	U F2 F1	0.00200		mg/Kg		05/13/21 11:30	05/13/21 13:15	1
Xylenes, Total	<0.00401	U F2 F1	0.00401		mg/Kg		05/13/21 11:30	05/13/21 13:15	1
Total BTEX	<0.00401	U F2 F1	0.00401		mg/Kg		05/13/21 11:30	05/13/21 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*05/13/21 11:30*	*05/13/21 13:15*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/13/21 11:30*	*05/13/21 13:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/13/21 11:18	05/13/21 13:51	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

Client Sample ID: CS-2

Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Lab Sample ID: 880-2137-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/13/21 11:18	05/13/21 13:51	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/13/21 11:18	05/13/21 13:51	1
Total TPH	<49.8	U	49.8		mg/Kg		05/13/21 11:18	05/13/21 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*05/13/21 11:18*	*05/13/21 13:51*	*1*
o-Terphenyl	*103*		*70 - 130*	*05/13/21 11:18*	*05/13/21 13:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38.7**		5.04		mg/Kg			05/14/21 10:24	1

Client Sample ID: CS-3

Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Lab Sample ID: 880-2137-3

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/13/21 14:00	05/13/21 16:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/13/21 14:00	05/13/21 16:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/13/21 14:00	05/13/21 16:19	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/13/21 14:00	05/13/21 16:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/13/21 14:00	05/13/21 16:19	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/13/21 14:00	05/13/21 16:19	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		05/13/21 14:00	05/13/21 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*05/13/21 14:00*	*05/13/21 16:19*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/13/21 14:00*	*05/13/21 16:19*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/13/21 11:18	05/13/21 14:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/13/21 11:18	05/13/21 14:12	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/13/21 11:18	05/13/21 14:12	1
Total TPH	<49.8	U	49.8		mg/Kg		05/13/21 11:18	05/13/21 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*05/13/21 11:18*	*05/13/21 14:12*	*1*
o-Terphenyl	*96*		*70 - 130*	*05/13/21 11:18*	*05/13/21 14:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.2**		4.98		mg/Kg			05/14/21 10:29	1

Client Sample Results

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

Client Sample ID: CS-4

Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Lab Sample ID: 880-2137-4
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/13/21 14:00	05/13/21 16:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/13/21 14:00	05/13/21 16:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/13/21 14:00	05/13/21 16:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/13/21 14:00	05/13/21 16:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/13/21 14:00	05/13/21 16:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/13/21 14:00	05/13/21 16:39	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		05/13/21 14:00	05/13/21 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*05/13/21 14:00*	*05/13/21 16:39*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/13/21 14:00*	*05/13/21 16:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/13/21 11:18	05/13/21 14:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/13/21 11:18	05/13/21 14:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/13/21 11:18	05/13/21 14:32	1
Total TPH	<49.9	U	49.9		mg/Kg		05/13/21 11:18	05/13/21 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/13/21 11:18*	*05/13/21 14:32*	*1*
o-Terphenyl	*102*		*70 - 130*	*05/13/21 11:18*	*05/13/21 14:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.3**		4.99		mg/Kg			05/14/21 10:46	1

Client Sample ID: CS-5

Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Lab Sample ID: 880-2137-5
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/13/21 14:00	05/13/21 17:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/13/21 14:00	05/13/21 17:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/13/21 14:00	05/13/21 17:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/13/21 14:00	05/13/21 17:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/13/21 14:00	05/13/21 17:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/13/21 14:00	05/13/21 17:00	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		05/13/21 14:00	05/13/21 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*05/13/21 14:00*	*05/13/21 17:00*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/13/21 14:00*	*05/13/21 17:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/13/21 11:18	05/13/21 14:53	1

Client Sample Results

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

Client Sample ID: CS-5

Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Lab Sample ID: 880-2137-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/13/21 11:18	05/13/21 14:53	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/13/21 11:18	05/13/21 14:53	1
Total TPH	<49.9	U	49.9		mg/Kg		05/13/21 11:18	05/13/21 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/13/21 11:18*	*05/13/21 14:53*	*1*
o-Terphenyl	*103*		*70 - 130*	*05/13/21 11:18*	*05/13/21 14:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.1**		4.97		mg/Kg			05/14/21 10:51	1

Client Sample ID: SW-1

Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Lab Sample ID: 880-2137-6
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/13/21 14:00	05/13/21 17:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/13/21 14:00	05/13/21 17:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/13/21 14:00	05/13/21 17:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/13/21 14:00	05/13/21 17:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/13/21 14:00	05/13/21 17:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/13/21 14:00	05/13/21 17:20	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/13/21 14:00	05/13/21 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*05/13/21 14:00*	*05/13/21 17:20*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/13/21 14:00*	*05/13/21 17:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/13/21 11:18	05/13/21 17:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/13/21 11:18	05/13/21 17:18	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/13/21 11:18	05/13/21 17:18	1
Total TPH	<49.9	U	49.9		mg/Kg		05/13/21 11:18	05/13/21 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/13/21 11:18*	*05/13/21 17:18*	*1*
o-Terphenyl	*101*		*70 - 130*	*05/13/21 11:18*	*05/13/21 17:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**57.5**		4.97		mg/Kg			05/14/21 10:56	1

Client Sample Results

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

Client Sample ID: SW-2

Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Lab Sample ID: 880-2137-7
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/13/21 14:00	05/13/21 19:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/13/21 14:00	05/13/21 19:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/13/21 14:00	05/13/21 19:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/13/21 14:00	05/13/21 19:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/13/21 14:00	05/13/21 19:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/13/21 14:00	05/13/21 19:10	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/13/21 14:00	05/13/21 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*05/13/21 14:00*	*05/13/21 19:10*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/13/21 14:00*	*05/13/21 19:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/13/21 11:18	05/13/21 17:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/13/21 11:18	05/13/21 17:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/13/21 11:18	05/13/21 17:38	1
Total TPH	<50.0	U	50.0		mg/Kg		05/13/21 11:18	05/13/21 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*05/13/21 11:18*	*05/13/21 17:38*	*1*
o-Terphenyl	*103*		*70 - 130*	*05/13/21 11:18*	*05/13/21 17:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.8**		4.96		mg/Kg			05/14/21 11:02	1

Client Sample ID: SW-3

Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Lab Sample ID: 880-2137-8
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/13/21 14:00	05/13/21 19:30	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/13/21 14:00	05/13/21 19:30	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/13/21 14:00	05/13/21 19:30	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/13/21 14:00	05/13/21 19:30	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/13/21 14:00	05/13/21 19:30	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/13/21 14:00	05/13/21 19:30	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		05/13/21 14:00	05/13/21 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*05/13/21 14:00*	*05/13/21 19:30*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/13/21 14:00*	*05/13/21 19:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/13/21 11:18	05/13/21 18:00	1

Client Sample Results

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

Client Sample ID: SW-3

Lab Sample ID: 880-2137-8
Matrix: Solid
Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	**293**		50.0		mg/Kg		05/13/21 11:18	05/13/21 18:00	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/13/21 11:18	05/13/21 18:00	1
Total TPH	**293**		50.0		mg/Kg		05/13/21 11:18	05/13/21 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*05/13/21 11:18*	*05/13/21 18:00*	*1*
o-Terphenyl	*99*		*70 - 130*	*05/13/21 11:18*	*05/13/21 18:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**72.6**		5.03		mg/Kg			05/14/21 11:07	1

Client Sample ID: SW-4

Lab Sample ID: 880-2137-9
Matrix: Solid
Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/13/21 14:00	05/13/21 19:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/13/21 14:00	05/13/21 19:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/13/21 14:00	05/13/21 19:51	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/13/21 14:00	05/13/21 19:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/13/21 14:00	05/13/21 19:51	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/13/21 14:00	05/13/21 19:51	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		05/13/21 14:00	05/13/21 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/13/21 14:00*	*05/13/21 19:51*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/13/21 14:00*	*05/13/21 19:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/13/21 11:18	05/13/21 18:20	1
Diesel Range Organics (Over C10-C28)	**170**		49.9		mg/Kg		05/13/21 11:18	05/13/21 18:20	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/13/21 11:18	05/13/21 18:20	1
Total TPH	**170**		49.9		mg/Kg		05/13/21 11:18	05/13/21 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/13/21 11:18*	*05/13/21 18:20*	*1*
o-Terphenyl	*100*		*70 - 130*	*05/13/21 11:18*	*05/13/21 18:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**68.3**		5.03		mg/Kg			05/14/21 11:12	1

Client Sample Results

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

Client Sample ID: SW-5

Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Lab Sample ID: 880-2137-10
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/13/21 14:00	05/13/21 20:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/13/21 14:00	05/13/21 20:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/13/21 14:00	05/13/21 20:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/13/21 14:00	05/13/21 20:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/13/21 14:00	05/13/21 20:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/13/21 14:00	05/13/21 20:11	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		05/13/21 14:00	05/13/21 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/13/21 14:00*	*05/13/21 20:11*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/13/21 14:00*	*05/13/21 20:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/13/21 11:18	05/13/21 18:41	1
Diesel Range Organics (Over C10-C28)	**116**		50.0		mg/Kg		05/13/21 11:18	05/13/21 18:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/13/21 11:18	05/13/21 18:41	1
Total TPH	**116**		50.0		mg/Kg		05/13/21 11:18	05/13/21 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*05/13/21 11:18*	*05/13/21 18:41*	*1*
o-Terphenyl	*99*		*70 - 130*	*05/13/21 11:18*	*05/13/21 18:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**81.1**		5.01		mg/Kg			05/14/21 11:18	1

Client Sample ID: SW-6

Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Lab Sample ID: 880-2137-11
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/13/21 14:00	05/13/21 20:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/13/21 14:00	05/13/21 20:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/13/21 14:00	05/13/21 20:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/13/21 14:00	05/13/21 20:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/13/21 14:00	05/13/21 20:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/13/21 14:00	05/13/21 20:32	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/13/21 14:00	05/13/21 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/13/21 14:00*	*05/13/21 20:32*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/13/21 14:00*	*05/13/21 20:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/13/21 11:18	05/13/21 19:01	1

Client Sample Results

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

Client Sample ID: SW-6

Lab Sample ID: 880-2137-11
Matrix: Solid
Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	**67.6**		49.8		mg/Kg		05/13/21 11:18	05/13/21 19:01	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/13/21 11:18	05/13/21 19:01	1
Total TPH	**67.6**		49.8		mg/Kg		05/13/21 11:18	05/13/21 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*52*	*S1-*	*70 - 130*	*05/13/21 11:18*	*05/13/21 19:01*	*1*
o-Terphenyl	*51*	*S1-*	*70 - 130*	*05/13/21 11:18*	*05/13/21 19:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**95.6**		5.05		mg/Kg			05/13/21 16:26	1

Client Sample ID: SW-7

Lab Sample ID: 880-2137-12
Matrix: Solid
Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/13/21 14:00	05/13/21 20:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/13/21 14:00	05/13/21 20:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/13/21 14:00	05/13/21 20:52	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/13/21 14:00	05/13/21 20:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/13/21 14:00	05/13/21 20:52	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/13/21 14:00	05/13/21 20:52	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		05/13/21 14:00	05/13/21 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*05/13/21 14:00*	*05/13/21 20:52*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/13/21 14:00*	*05/13/21 20:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/13/21 11:18	05/13/21 19:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/13/21 11:18	05/13/21 19:22	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/13/21 11:18	05/13/21 19:22	1
Total TPH	<49.9	U	49.9		mg/Kg		05/13/21 11:18	05/13/21 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*05/13/21 11:18*	*05/13/21 19:22*	*1*
o-Terphenyl	*99*		*70 - 130*	*05/13/21 11:18*	*05/13/21 19:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**47.2**		5.02		mg/Kg			05/13/21 16:42	1

Surrogate Summary

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-2137-1	CS-1	104	99
880-2137-1 MS	CS-1	105	97
880-2137-1 MSD	CS-1	106	96
880-2137-2	CS-2	116	93
880-2137-2 MS	CS-2	456 S1+	519 S1+
880-2137-2 MSD	CS-2	98	111
880-2137-3	CS-3	131 S1+	100
880-2137-4	CS-4	118	98
880-2137-5	CS-5	117	99
880-2137-6	SW-1	117	103
880-2137-7	SW-2	106	98
880-2137-8	SW-3	137 S1+	90
880-2137-9	SW-4	111	100
880-2137-10	SW-5	110	98
880-2137-11	SW-6	110	97
880-2137-12	SW-7	117	100
LCS 880-3052/1-A	Lab Control Sample	101	96
LCS 880-3053/1-A	Lab Control Sample	98	105
LCSD 880-3052/2-A	Lab Control Sample Dup	102	97
LCSD 880-3053/2-A	Lab Control Sample Dup	80	116
MB 880-3052/5-A	Method Blank	109	92
MB 880-3053/5-A	Method Blank	70	83

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-2137-1	CS-1	102	101
880-2137-1 MS	CS-1	96	83
880-2137-1 MSD	CS-1	94	81
880-2137-2	CS-2	102	103
880-2137-3	CS-3	98	96
880-2137-4	CS-4	106	102
880-2137-5	CS-5	105	103
880-2137-6	SW-1	105	101
880-2137-7	SW-2	103	103
880-2137-8	SW-3	102	99
880-2137-9	SW-4	105	100
880-2137-10	SW-5	102	99
880-2137-11	SW-6	52 S1-	51 S1-
880-2137-12	SW-7	102	99
LCS 880-3064/2-A	Lab Control Sample	105	96
LCSD 880-3064/3-A	Lab Control Sample Dup	106	98
MB 880-3064/1-A	Method Blank	55 S1-	55 S1-

Surrogate Summary

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-3052/5-A
Matrix: Solid
Analysis Batch: 3049

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3052

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/13/21 11:30	05/13/21 12:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/13/21 11:30	05/13/21 12:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/13/21 11:30	05/13/21 12:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/13/21 11:30	05/13/21 12:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/13/21 11:30	05/13/21 12:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/13/21 11:30	05/13/21 12:43	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/13/21 11:30	05/13/21 12:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/13/21 11:30*	*05/13/21 12:43*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/13/21 11:30*	*05/13/21 12:43*	*1*

Lab Sample ID: LCS 880-3052/1-A
Matrix: Solid
Analysis Batch: 3049

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3052

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07855		mg/Kg		79	70 - 130
Toluene	0.100	0.09284		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09690		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1979		mg/Kg		99	70 - 130
o-Xylene	0.100	0.09965		mg/Kg		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-3052/2-A
Matrix: Solid
Analysis Batch: 3049

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3052

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08049		mg/Kg		80	70 - 130	2	35
Toluene	0.100	0.09287		mg/Kg		93	70 - 130	0	35
Ethylbenzene	0.100	0.09778		mg/Kg		98	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1986		mg/Kg		99	70 - 130	0	35
o-Xylene	0.100	0.1008		mg/Kg		101	70 - 130	1	35

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

Lab Sample ID: 880-2137-1 MS
Matrix: Solid
Analysis Batch: 3049

Client Sample ID: CS-1
Prep Type: Total/NA
Prep Batch: 3052

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.0998	0.08081		mg/Kg		81	70 - 130

QC Sample Results

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

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

Lab Sample ID: 880-2137-1 MS
Matrix: Solid
Analysis Batch: 3049

Client Sample ID: CS-1
Prep Type: Total/NA
Prep Batch: 3052

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00200	U	0.0998	0.09456		mg/Kg		95	70 - 130
Ethylbenzene	<0.00200	U	0.0998	0.09909		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2012		mg/Kg		101	70 - 130
o-Xylene	<0.00200	U	0.0998	0.1010		mg/Kg		101	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-2137-1 MSD
Matrix: Solid
Analysis Batch: 3049

Client Sample ID: CS-1
Prep Type: Total/NA
Prep Batch: 3052

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.101	0.07200		mg/Kg		71	70 - 130	12	35
Toluene	<0.00200	U	0.101	0.08492		mg/Kg		84	70 - 130	11	35
Ethylbenzene	<0.00200	U	0.101	0.08951		mg/Kg		89	70 - 130	10	35
m-Xylene & p-Xylene	<0.00401	U	0.202	0.1842		mg/Kg		91	70 - 130	9	35
o-Xylene	<0.00200	U	0.101	0.09279		mg/Kg		92	70 - 130	8	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: MB 880-3053/5-A
Matrix: Solid
Analysis Batch: 3051

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3053

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/13/21 11:30	05/13/21 12:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/13/21 11:30	05/13/21 12:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/13/21 11:30	05/13/21 12:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/13/21 11:30	05/13/21 12:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/13/21 11:30	05/13/21 12:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/13/21 11:30	05/13/21 12:51	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/13/21 11:30	05/13/21 12:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*70*		*70 - 130*	*05/13/21 11:30*	*05/13/21 12:51*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*05/13/21 11:30*	*05/13/21 12:51*	*1*

Lab Sample ID: LCS 880-3053/1-A
Matrix: Solid
Analysis Batch: 3051

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3053

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1044		mg/Kg		104	70 - 130
Toluene	0.100	0.1029		mg/Kg		103	70 - 130

QC Sample Results

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

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

Lab Sample ID: LCS 880-3053/1-A
Matrix: Solid
Analysis Batch: 3051

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3053

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethylbenzene			0.100	0.1052		mg/Kg		105	70 - 130		
m-Xylene & p-Xylene			0.200	0.2037		mg/Kg		102	70 - 130		
o-Xylene			0.100	0.09613		mg/Kg		96	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-3053/2-A
Matrix: Solid
Analysis Batch: 3051

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3053

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09971		mg/Kg		100	70 - 130	5	35
Toluene			0.100	0.1002		mg/Kg		100	70 - 130	3	35
Ethylbenzene			0.100	0.1066		mg/Kg		107	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2085		mg/Kg		104	70 - 130	2	35
o-Xylene			0.100	0.1004		mg/Kg		100	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

Lab Sample ID: 880-2137-2 MS
Matrix: Solid
Analysis Batch: 3051

Client Sample ID: CS-2
Prep Type: Total/NA
Prep Batch: 3053

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*456*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*519*	*S1+*	*70 - 130*

Lab Sample ID: 880-2137-2 MSD
Matrix: Solid
Analysis Batch: 3051

Client Sample ID: CS-2
Prep Type: Total/NA
Prep Batch: 3053

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.101	0.1003	F2	mg/Kg		99	70 - 130	126	35
Toluene	<0.00200	U F2 F1	0.101	0.09864	F2	mg/Kg		98	70 - 130	128	35
Ethylbenzene	<0.00200	U F2 F1	0.101	0.1035	F2	mg/Kg		103	70 - 130	128	35
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.202	0.1995	F2	mg/Kg		99	70 - 130	128	35
o-Xylene	<0.00200	U F2 F1	0.101	0.09448	F2	mg/Kg		93	70 - 130	127	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

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

Lab Sample ID: MB 880-3064/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 3057 — **Prep Batch: 3064**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/13/21 11:18	05/13/21 11:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/13/21 11:18	05/13/21 11:47	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/13/21 11:18	05/13/21 11:47	1
Total TPH	<50.0	U	50.0		mg/Kg		05/13/21 11:18	05/13/21 11:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*55*	*S1-*	*70 - 130*	*05/13/21 11:18*	*05/13/21 11:47*	*1*
o-Terphenyl	*55*	*S1-*	*70 - 130*	*05/13/21 11:18*	*05/13/21 11:47*	*1*

Lab Sample ID: LCS 880-3064/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 3057 — **Prep Batch: 3064**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	877.8		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	952.0		mg/Kg		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*96*		*70 - 130*

Lab Sample ID: LCSD 880-3064/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 3057 — **Prep Batch: 3064**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	864.6		mg/Kg		86	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	973.3		mg/Kg		97	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: 880-2137-1 MS — **Client Sample ID: CS-1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 3057 — **Prep Batch: 3064**

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	996	864.9		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1060		mg/Kg		106	70 - 130		

QC Sample Results

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

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

Lab Sample ID: 880-2137-1 MS
Matrix: Solid
Analysis Batch: 3057

Client Sample ID: CS-1
Prep Type: Total/NA
Prep Batch: 3064

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*
o-Terphenyl	*83*		*70 - 130*

Lab Sample ID: 880-2137-1 MSD
Matrix: Solid
Analysis Batch: 3057

Client Sample ID: CS-1
Prep Type: Total/NA
Prep Batch: 3064

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	846.6		mg/Kg		83	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1040		mg/Kg		104	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*81*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-3070/1-A
Matrix: Solid
Analysis Batch: 3078

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/13/21 16:11	1

Lab Sample ID: LCS 880-3070/2-A
Matrix: Solid
Analysis Batch: 3078

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	244.7		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-3070/3-A
Matrix: Solid
Analysis Batch: 3078

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	243.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-2137-11 MS
Matrix: Solid
Analysis Batch: 3078

Client Sample ID: SW-6
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	95.6		253	341.7		mg/Kg		97	90 - 110		

QC Sample Results

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-2137-11 MSD — **Client Sample ID: SW-6**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 3078

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	95.6		253	340.1		mg/Kg		97	90 - 110	0	20

Lab Sample ID: MB 880-3071/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 3092

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/14/21 08:37	1

Lab Sample ID: LCS 880-3071/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 3092

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	233.0		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-3071/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 3092

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	232.9		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-2137-1 MS — **Client Sample ID: CS-1**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 3092

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	39.5	F1	250	266.5		mg/Kg		91	90 - 110

Lab Sample ID: 880-2137-1 MSD — **Client Sample ID: CS-1**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 3092

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	39.5	F1	250	262.9	F1	mg/Kg		89	90 - 110	1	20

QC Association Summary

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

GC VOA

Analysis Batch: 3049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2137-1	CS-1	Total/NA	Solid	8021B	3052
880-2137-3	CS-3	Total/NA	Solid	8021B	3052
880-2137-4	CS-4	Total/NA	Solid	8021B	3052
880-2137-5	CS-5	Total/NA	Solid	8021B	3052
880-2137-6	SW-1	Total/NA	Solid	8021B	3052
880-2137-7	SW-2	Total/NA	Solid	8021B	3052
880-2137-8	SW-3	Total/NA	Solid	8021B	3052
880-2137-9	SW-4	Total/NA	Solid	8021B	3052
880-2137-10	SW-5	Total/NA	Solid	8021B	3052
880-2137-11	SW-6	Total/NA	Solid	8021B	3052
880-2137-12	SW-7	Total/NA	Solid	8021B	3052
MB 880-3052/5-A	Method Blank	Total/NA	Solid	8021B	3052
LCS 880-3052/1-A	Lab Control Sample	Total/NA	Solid	8021B	3052
LCSD 880-3052/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3052
880-2137-1 MS	CS-1	Total/NA	Solid	8021B	3052
880-2137-1 MSD	CS-1	Total/NA	Solid	8021B	3052

Analysis Batch: 3051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2137-2	CS-2	Total/NA	Solid	8021B	3053
MB 880-3053/5-A	Method Blank	Total/NA	Solid	8021B	3053
LCS 880-3053/1-A	Lab Control Sample	Total/NA	Solid	8021B	3053
LCSD 880-3053/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3053
880-2137-2 MS	CS-2	Total/NA	Solid	8021B	3053
880-2137-2 MSD	CS-2	Total/NA	Solid	8021B	3053

Prep Batch: 3052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2137-1	CS-1	Total/NA	Solid	5035	
880-2137-3	CS-3	Total/NA	Solid	5035	
880-2137-4	CS-4	Total/NA	Solid	5035	
880-2137-5	CS-5	Total/NA	Solid	5035	
880-2137-6	SW-1	Total/NA	Solid	5035	
880-2137-7	SW-2	Total/NA	Solid	5035	
880-2137-8	SW-3	Total/NA	Solid	5035	
880-2137-9	SW-4	Total/NA	Solid	5035	
880-2137-10	SW-5	Total/NA	Solid	5035	
880-2137-11	SW-6	Total/NA	Solid	5035	
880-2137-12	SW-7	Total/NA	Solid	5035	
MB 880-3052/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3052/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3052/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-2137-1 MS	CS-1	Total/NA	Solid	5035	
880-2137-1 MSD	CS-1	Total/NA	Solid	5035	

Prep Batch: 3053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2137-2	CS-2	Total/NA	Solid	5035	
MB 880-3053/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3053/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3053/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

QC Association Summary

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

GC VOA (Continued)

Prep Batch: 3053 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2137-2 MS	CS-2	Total/NA	Solid	5035	
880-2137-2 MSD	CS-2	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 3057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2137-1	CS-1	Total/NA	Solid	8015B NM	3064
880-2137-2	CS-2	Total/NA	Solid	8015B NM	3064
880-2137-3	CS-3	Total/NA	Solid	8015B NM	3064
880-2137-4	CS-4	Total/NA	Solid	8015B NM	3064
880-2137-5	CS-5	Total/NA	Solid	8015B NM	3064
880-2137-6	SW-1	Total/NA	Solid	8015B NM	3064
880-2137-7	SW-2	Total/NA	Solid	8015B NM	3064
880-2137-8	SW-3	Total/NA	Solid	8015B NM	3064
880-2137-9	SW-4	Total/NA	Solid	8015B NM	3064
880-2137-10	SW-5	Total/NA	Solid	8015B NM	3064
880-2137-11	SW-6	Total/NA	Solid	8015B NM	3064
880-2137-12	SW-7	Total/NA	Solid	8015B NM	3064
MB 880-3064/1-A	Method Blank	Total/NA	Solid	8015B NM	3064
LCS 880-3064/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3064
LCSD 880-3064/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3064
880-2137-1 MS	CS-1	Total/NA	Solid	8015B NM	3064
880-2137-1 MSD	CS-1	Total/NA	Solid	8015B NM	3064

Prep Batch: 3064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2137-1	CS-1	Total/NA	Solid	8015NM Prep	
880-2137-2	CS-2	Total/NA	Solid	8015NM Prep	
880-2137-3	CS-3	Total/NA	Solid	8015NM Prep	
880-2137-4	CS-4	Total/NA	Solid	8015NM Prep	
880-2137-5	CS-5	Total/NA	Solid	8015NM Prep	
880-2137-6	SW-1	Total/NA	Solid	8015NM Prep	
880-2137-7	SW-2	Total/NA	Solid	8015NM Prep	
880-2137-8	SW-3	Total/NA	Solid	8015NM Prep	
880-2137-9	SW-4	Total/NA	Solid	8015NM Prep	
880-2137-10	SW-5	Total/NA	Solid	8015NM Prep	
880-2137-11	SW-6	Total/NA	Solid	8015NM Prep	
880-2137-12	SW-7	Total/NA	Solid	8015NM Prep	
MB 880-3064/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3064/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3064/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-2137-1 MS	CS-1	Total/NA	Solid	8015NM Prep	
880-2137-1 MSD	CS-1	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 3070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2137-11	SW-6	Soluble	Solid	DI Leach	
880-2137-12	SW-7	Soluble	Solid	DI Leach	
MB 880-3070/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

HPLC/IC (Continued)

Leach Batch: 3070 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-3070/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3070/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-2137-11 MS	SW-6	Soluble	Solid	DI Leach	
880-2137-11 MSD	SW-6	Soluble	Solid	DI Leach	

Leach Batch: 3071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2137-1	CS-1	Soluble	Solid	DI Leach	
880-2137-2	CS-2	Soluble	Solid	DI Leach	
880-2137-3	CS-3	Soluble	Solid	DI Leach	
880-2137-4	CS-4	Soluble	Solid	DI Leach	
880-2137-5	CS-5	Soluble	Solid	DI Leach	
880-2137-6	SW-1	Soluble	Solid	DI Leach	
880-2137-7	SW-2	Soluble	Solid	DI Leach	
880-2137-8	SW-3	Soluble	Solid	DI Leach	
880-2137-9	SW-4	Soluble	Solid	DI Leach	
880-2137-10	SW-5	Soluble	Solid	DI Leach	
MB 880-3071/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3071/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3071/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-2137-1 MS	CS-1	Soluble	Solid	DI Leach	
880-2137-1 MSD	CS-1	Soluble	Solid	DI Leach	

Analysis Batch: 3078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2137-11	SW-6	Soluble	Solid	300.0	3070
880-2137-12	SW-7	Soluble	Solid	300.0	3070
MB 880-3070/1-A	Method Blank	Soluble	Solid	300.0	3070
LCS 880-3070/2-A	Lab Control Sample	Soluble	Solid	300.0	3070
LCSD 880-3070/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3070
880-2137-11 MS	SW-6	Soluble	Solid	300.0	3070
880-2137-11 MSD	SW-6	Soluble	Solid	300.0	3070

Analysis Batch: 3092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2137-1	CS-1	Soluble	Solid	300.0	3071
880-2137-2	CS-2	Soluble	Solid	300.0	3071
880-2137-3	CS-3	Soluble	Solid	300.0	3071
880-2137-4	CS-4	Soluble	Solid	300.0	3071
880-2137-5	CS-5	Soluble	Solid	300.0	3071
880-2137-6	SW-1	Soluble	Solid	300.0	3071
880-2137-7	SW-2	Soluble	Solid	300.0	3071
880-2137-8	SW-3	Soluble	Solid	300.0	3071
880-2137-9	SW-4	Soluble	Solid	300.0	3071
880-2137-10	SW-5	Soluble	Solid	300.0	3071
MB 880-3071/1-A	Method Blank	Soluble	Solid	300.0	3071
LCS 880-3071/2-A	Lab Control Sample	Soluble	Solid	300.0	3071
LCSD 880-3071/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3071
880-2137-1 MS	CS-1	Soluble	Solid	300.0	3071
880-2137-1 MSD	CS-1	Soluble	Solid	300.0	3071

Lab Chronicle

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

Client Sample ID: CS-1
Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Lab Sample ID: 880-2137-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3052	05/13/21 11:30	MR	XM
Total/NA	Analysis	8021B		1	3049	05/13/21 13:12	MR	XM
Total/NA	Prep	8015NM Prep			3064	05/13/21 11:18	AM	XM
Total/NA	Analysis	8015B NM		1	3057	05/13/21 12:49	AJ	XM
Soluble	Leach	DI Leach			3071	05/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	3092	05/14/21 10:08	CH	XM

Client Sample ID: CS-2
Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Lab Sample ID: 880-2137-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3053	05/13/21 11:30	MR	XM
Total/NA	Analysis	8021B		1	3051	05/13/21 13:15	MR	XM
Total/NA	Prep	8015NM Prep			3064	05/13/21 11:18	AM	XM
Total/NA	Analysis	8015B NM		1	3057	05/13/21 13:51	AJ	XM
Soluble	Leach	DI Leach			3071	05/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	3092	05/14/21 10:24	CH	XM

Client Sample ID: CS-3
Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Lab Sample ID: 880-2137-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3052	05/13/21 14:00	MR	XM
Total/NA	Analysis	8021B		1	3049	05/13/21 16:19	MR	XM
Total/NA	Prep	8015NM Prep			3064	05/13/21 11:18	AM	XM
Total/NA	Analysis	8015B NM		1	3057	05/13/21 14:12	AJ	XM
Soluble	Leach	DI Leach			3071	05/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	3092	05/14/21 10:29	CH	XM

Client Sample ID: CS-4
Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Lab Sample ID: 880-2137-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3052	05/13/21 14:00	MR	XM
Total/NA	Analysis	8021B		1	3049	05/13/21 16:39	MR	XM
Total/NA	Prep	8015NM Prep			3064	05/13/21 11:18	AM	XM
Total/NA	Analysis	8015B NM		1	3057	05/13/21 14:32	AJ	XM
Soluble	Leach	DI Leach			3071	05/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	3092	05/14/21 10:46	CH	XM

Lab Chronicle

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

Client Sample ID: CS-5
Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Lab Sample ID: 880-2137-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3052	05/13/21 14:00	MR	XM
Total/NA	Analysis	8021B		1	3049	05/13/21 17:00	MR	XM
Total/NA	Prep	8015NM Prep			3064	05/13/21 11:18	AM	XM
Total/NA	Analysis	8015B NM		1	3057	05/13/21 14:53	AJ	XM
Soluble	Leach	DI Leach			3071	05/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	3092	05/14/21 10:51	CH	XM

Client Sample ID: SW-1
Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Lab Sample ID: 880-2137-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3052	05/13/21 14:00	MR	XM
Total/NA	Analysis	8021B		1	3049	05/13/21 17:20	MR	XM
Total/NA	Prep	8015NM Prep			3064	05/13/21 11:18	AM	XM
Total/NA	Analysis	8015B NM		1	3057	05/13/21 17:18	AJ	XM
Soluble	Leach	DI Leach			3071	05/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	3092	05/14/21 10:56	CH	XM

Client Sample ID: SW-2
Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Lab Sample ID: 880-2137-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3052	05/13/21 14:00	MR	XM
Total/NA	Analysis	8021B		1	3049	05/13/21 19:10	MR	XM
Total/NA	Prep	8015NM Prep			3064	05/13/21 11:18	AM	XM
Total/NA	Analysis	8015B NM		1	3057	05/13/21 17:38	AJ	XM
Soluble	Leach	DI Leach			3071	05/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	3092	05/14/21 11:02	CH	XM

Client Sample ID: SW-3
Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Lab Sample ID: 880-2137-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3052	05/13/21 14:00	MR	XM
Total/NA	Analysis	8021B		1	3049	05/13/21 19:30	MR	XM
Total/NA	Prep	8015NM Prep			3064	05/13/21 11:18	AM	XM
Total/NA	Analysis	8015B NM		1	3057	05/13/21 18:00	AJ	XM
Soluble	Leach	DI Leach			3071	05/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	3092	05/14/21 11:07	CH	XM

Lab Chronicle

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

Client Sample ID: SW-4

Lab Sample ID: 880-2137-9
Matrix: Solid
Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3052	05/13/21 14:00	MR	XM
Total/NA	Analysis	8021B		1	3049	05/13/21 19:51	MR	XM
Total/NA	Prep	8015NM Prep			3064	05/13/21 11:18	AM	XM
Total/NA	Analysis	8015B NM		1	3057	05/13/21 18:20	AJ	XM
Soluble	Leach	DI Leach			3071	05/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	3092	05/14/21 11:12	CH	XM

Client Sample ID: SW-5

Lab Sample ID: 880-2137-10
Matrix: Solid
Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3052	05/13/21 14:00	MR	XM
Total/NA	Analysis	8021B		1	3049	05/13/21 20:11	MR	XM
Total/NA	Prep	8015NM Prep			3064	05/13/21 11:18	AM	XM
Total/NA	Analysis	8015B NM		1	3057	05/13/21 18:41	AJ	XM
Soluble	Leach	DI Leach			3071	05/13/21 12:13	SC	XM
Soluble	Analysis	300.0		1	3092	05/14/21 11:18	CH	XM

Client Sample ID: SW-6

Lab Sample ID: 880-2137-11
Matrix: Solid
Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3052	05/13/21 14:00	MR	XM
Total/NA	Analysis	8021B		1	3049	05/13/21 20:32	MR	XM
Total/NA	Prep	8015NM Prep			3064	05/13/21 11:18	AM	XM
Total/NA	Analysis	8015B NM		1	3057	05/13/21 19:01	AJ	XM
Soluble	Leach	DI Leach			3070	05/13/21 11:58	SC	XM
Soluble	Analysis	300.0		1	3078	05/13/21 16:26	SC	XM

Client Sample ID: SW-7

Lab Sample ID: 880-2137-12
Matrix: Solid
Date Collected: 05/12/21 00:00
Date Received: 05/13/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3052	05/13/21 14:00	MR	XM
Total/NA	Analysis	8021B		1	3049	05/13/21 20:52	MR	XM
Total/NA	Prep	8015NM Prep			3064	05/13/21 11:18	AM	XM
Total/NA	Analysis	8015B NM		1	3057	05/13/21 19:22	AJ	XM
Soluble	Leach	DI Leach			3070	05/13/21 11:58	SC	XM
Soluble	Analysis	300.0		1	3078	05/13/21 16:42	SC	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

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

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

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

Protocol References:

ASTM = ASTM International

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

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

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: EOG-DOGWOOD 23 FED CTB

Job ID: 880-2137-1
SDG: LEA CO, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-2137-1	CS-1	Solid	05/12/21 00:00	05/13/21 10:10	
880-2137-2	CS-2	Solid	05/12/21 00:00	05/13/21 10:10	
880-2137-3	CS-3	Solid	05/12/21 00:00	05/13/21 10:10	
880-2137-4	CS-4	Solid	05/12/21 00:00	05/13/21 10:10	
880-2137-5	CS-5	Solid	05/12/21 00:00	05/13/21 10:10	
880-2137-6	SW-1	Solid	05/12/21 00:00	05/13/21 10:10	
880-2137-7	SW-2	Solid	05/12/21 00:00	05/13/21 10:10	
880-2137-8	SW-3	Solid	05/12/21 00:00	05/13/21 10:10	
880-2137-9	SW-4	Solid	05/12/21 00:00	05/13/21 10:10	
880-2137-10	SW-5	Solid	05/12/21 00:00	05/13/21 10:10	
880-2137-11	SW-6	Solid	05/12/21 00:00	05/13/21 10:10	
880-2137-12	SW-7	Solid	05/12/21 00:00	05/13/21 10:10	

Chain

NTG ENVIRONMENTAL

880-2137 Chain of Custody

Work Order No: 2137

5/14/2021

Page 1 of 2

Project Manager	Mike Carmona	Bill to (if different)	Todd Wells
Company Name	NTG Environmental	Company Name	EOG Resources
Address:	701 Tradewinds BLVD	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland Tx 79706
Phone	432-813-0263	Email	Todd Wells@eogresources

Work Order Comments

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

State of Project

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Dogwood 23 Fed CTB	Turn Around	
Project Number	214188	☐ Routine ☑ Rush	
Project Location	Lea Co, NM	Due Date	48 Hrs
Sampler's Name	ES	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID.	IR8
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	+0.5
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	4.8
Total Containers:		Corrected Temperature	5.3

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
CS-1	5/12/2021	-	X		G	1		X	X	X		
CS-2	5/12/2021	-	X		G	1		X	X	X		
CS-3	5/12/2021	-	X		G	1		X	X	X		
CS-4	5/12/2021	-	X		G	1		X	X	X		
CS-5	5/12/2021	-	X		G	1		X	X	X		
SW-1	5/12/2021	-	X		G	1		X	X	X		
SW-2	5/12/2021	-	X		G	1		X	X	X		
SW-3	5/12/2021	-	X		G	1		X	X	X		
SW-4	5/12/2021	-	X		G	1		X	X	X		
SW-5	5/12/2021	-	X		G	1		X	X	X		

Additional Comments:

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by: (Signature)	Received by (Signature)	Date/Time
1		5/13/21 1010	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Chain of Custody

NTG ENVIRONMENTAL

Loc: 880
2137

Work Order No: 2137

5/14/2021

Page 2 of 2

Project Manager	Mike Carmona	Bill to (if different)	Todd Wells
Company Name	NTG Environmental	Company Name	EOG Resources
Address.	701 Tradewinds BLVD	Address.	5509 Champions Dr
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland, Tx 79706
Phone:	432-813-0263	Email.	Todd Wells@eogresources

Work Order Comments

Program. UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables EDD ☐ ADaPT ☐ Other

Project Name.	Dogwood 23 Fed CTB	Turn Around	
Project Number	214188	☐ Routine ☑ Rush	
Project Location	Lea Co, NM	Due Date	48 Hrs
Sampler's Name:	ES	TAT starts the day received by the lab if received by 4.30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice.	(Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR-8
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	+0.5
Sample Custody Seals:	Yes No (N/A)	Temperature Reading	4.8
Total Containers.		Corrected Temperature	5.3

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
SW-6	5/12/2021	-	X		G	1		X	X	X		
SW-7	5/12/2021	-	X		G	1		X	X	X		

Parameters

Additional Comments:

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		5/13/21 1010	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-2137-1
SDG Number: LEA CO, NM

Login Number: 2137
List Number: 1
Creator: Phillips, Kerianna

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

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-2286-1
Laboratory Sample Delivery Group: Lea County, NM
Client Project/Site: EOG-DOGWOOD 23 Fed CTB

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

JKRAMER

Authorized for release by:
5/20/2021 2:54:03 PM

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

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

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

Client: NT Global
Project/Site: EOG-DOGWOOD 23 Fed CTB

Laboratory Job ID: 880-2286-1
SDG: Lea County, NM

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: EOG-DOGWOOD 23 Fed CTB

Job ID: 880-2286-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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: EOG-DOGWOOD 23 Fed CTB

Job ID: 880-2286-1
SDG: Lea County, NM

Job ID: 880-2286-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-2286-1

Comments
No additional comments.

Receipt
The samples were received on 5/19/2021 9:11 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 was 6.0º C.

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

GC Semi VOA
Method 8015B NM: All quality control biased high indicating possible high bias in samples. All sample is non-detect under the implied high bias therefore the data has been qualified and reported.

(CCV 880-3220/30)

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

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

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

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

Client Sample Results

Client: NT Global
Project/Site: EOG-DOGWOOD 23 Fed CTB

Job ID: 880-2286-1
SDG: Lea County, NM

Client Sample ID: SW-3

Date Collected: 05/18/21 00:00
Date Received: 05/19/21 09:11

Lab Sample ID: 880-2286-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/19/21 14:30	05/19/21 20:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/19/21 14:30	05/19/21 20:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/19/21 14:30	05/19/21 20:17	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/19/21 14:30	05/19/21 20:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/19/21 14:30	05/19/21 20:17	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/19/21 14:30	05/19/21 20:17	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		05/19/21 14:30	05/19/21 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/19/21 14:30*	*05/19/21 20:17*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/19/21 14:30*	*05/19/21 20:17*	*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		05/19/21 15:00	05/19/21 19:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/19/21 15:00	05/19/21 19:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/19/21 15:00	05/19/21 19:46	1
Total TPH	<50.0	U	50.0		mg/Kg		05/19/21 15:00	05/19/21 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*05/19/21 15:00*	*05/19/21 19:46*	*1*
o-Terphenyl	*129*		*70 - 130*	*05/19/21 15:00*	*05/19/21 19:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.1**		4.97		mg/Kg			05/19/21 22:06	1

Client Sample ID: SW-4

Date Collected: 05/18/21 00:00
Date Received: 05/19/21 09:11

Lab Sample ID: 880-2286-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/19/21 14:30	05/19/21 20:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/19/21 14:30	05/19/21 20:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/19/21 14:30	05/19/21 20:38	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/19/21 14:30	05/19/21 20:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/19/21 14:30	05/19/21 20:38	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/19/21 14:30	05/19/21 20:38	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		05/19/21 14:30	05/19/21 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/19/21 14:30*	*05/19/21 20:38*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/19/21 14:30*	*05/19/21 20:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/19/21 15:00	05/19/21 20:07	1

Client Sample Results

Client: NT Global
Project/Site: EOG-DOGWOOD 23 Fed CTB

Job ID: 880-2286-1
SDG: Lea County, NM

Client Sample ID: SW-4

Date Collected: 05/18/21 00:00
Date Received: 05/19/21 09:11

Lab Sample ID: 880-2286-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/19/21 15:00	05/19/21 20:07	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/19/21 15:00	05/19/21 20:07	1
Total TPH	<49.9	U	49.9		mg/Kg		05/19/21 15:00	05/19/21 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/19/21 15:00*	*05/19/21 20:07*	*1*
o-Terphenyl	*113*		*70 - 130*	*05/19/21 15:00*	*05/19/21 20:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.5**		4.95		mg/Kg			05/19/21 22:21	1

Client Sample ID: SW-5

Date Collected: 05/18/21 00:00
Date Received: 05/19/21 09:11

Lab Sample ID: 880-2286-3
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/19/21 14:30	05/19/21 20:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/19/21 14:30	05/19/21 20:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/19/21 14:30	05/19/21 20:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/19/21 14:30	05/19/21 20:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/19/21 14:30	05/19/21 20:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/19/21 14:30	05/19/21 20:58	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		05/19/21 14:30	05/19/21 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*05/19/21 14:30*	*05/19/21 20:58*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/19/21 14:30*	*05/19/21 20:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/19/21 15:00	05/19/21 20:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/19/21 15:00	05/19/21 20:28	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/19/21 15:00	05/19/21 20:28	1
Total TPH	<50.0	U	50.0		mg/Kg		05/19/21 15:00	05/19/21 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*05/19/21 15:00*	*05/19/21 20:28*	*1*
o-Terphenyl	*118*		*70 - 130*	*05/19/21 15:00*	*05/19/21 20:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.1**		4.95		mg/Kg			05/19/21 22:26	1

Surrogate Summary

Client: NT Global
Project/Site: EOG-DOGWOOD 23 Fed CTB

Job ID: 880-2286-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-2286-1	SW-3	110	98										
880-2286-2	SW-4	109	98										
880-2286-3	SW-5	143 S1+	91										
LCS 880-3223/1-A	Lab Control Sample	100	93										
LCSD 880-3223/2-A	Lab Control Sample Dup	99	94										
MB 880-3223/5-A	Method Blank	106	91										

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-2286-1	SW-3	112	129										
880-2286-2	SW-4	106	113										
880-2286-3	SW-5	107	118										
LCS 880-3219/2-A	Lab Control Sample	105	103										
LCSD 880-3219/3-A	Lab Control Sample Dup	106	113										
MB 880-3219/1-A	Method Blank	110	129										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: EOG-DOGWOOD 23 Fed CTB

Job ID: 880-2286-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-3223/5-A
Matrix: Solid
Analysis Batch: 3232

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3223

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/19/21 08:58	05/19/21 12:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/19/21 08:58	05/19/21 12:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/19/21 08:58	05/19/21 12:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/19/21 08:58	05/19/21 12:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/19/21 08:58	05/19/21 12:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/19/21 08:58	05/19/21 12:42	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/19/21 08:58	05/19/21 12:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*05/19/21 08:58*	*05/19/21 12:42*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/19/21 08:58*	*05/19/21 12:42*	*1*

Lab Sample ID: LCS 880-3223/1-A
Matrix: Solid
Analysis Batch: 3232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3223

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09271		mg/Kg		93	70 - 130		
Toluene			0.100	0.1156		mg/Kg		116	70 - 130		
Ethylbenzene			0.100	0.1164		mg/Kg		116	70 - 130		
m-Xylene & p-Xylene			0.200	0.2404		mg/Kg		120	70 - 130		
o-Xylene			0.100	0.1163		mg/Kg		116	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 880-3223/2-A
Matrix: Solid
Analysis Batch: 3232

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3223

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09617		mg/Kg		96	70 - 130	4	35
Toluene			0.100	0.1154		mg/Kg		115	70 - 130	0	35
Ethylbenzene			0.100	0.1159		mg/Kg		116	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.2367		mg/Kg		118	70 - 130	2	35
o-Xylene			0.100	0.1149		mg/Kg		115	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: EOG-DOGWOOD 23 Fed CTB

Job ID: 880-2286-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-3219/1-A
Matrix: Solid
Analysis Batch: 3220

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3219

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/19/21 08:36	05/19/21 10:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/19/21 08:36	05/19/21 10:13	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/19/21 08:36	05/19/21 10:13	1
Total TPH	<50.0	U	50.0		mg/Kg		05/19/21 08:36	05/19/21 10:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*05/19/21 08:36*	*05/19/21 10:13*	*1*
o-Terphenyl	*129*		*70 - 130*	*05/19/21 08:36*	*05/19/21 10:13*	*1*

Lab Sample ID: LCS 880-3219/2-A
Matrix: Solid
Analysis Batch: 3220

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3219

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	970.2		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1191		mg/Kg		119	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*103*		*70 - 130*

Lab Sample ID: LCSD 880-3219/3-A
Matrix: Solid
Analysis Batch: 3220

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3219

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	995.0		mg/Kg		99	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1250		mg/Kg		125	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*113*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-3235/1-A
Matrix: Solid
Analysis Batch: 3259

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/19/21 21:19	1

QC Sample Results

Client: NT Global
Project/Site: EOG-DOGWOOD 23 Fed CTB

Job ID: 880-2286-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-3235/2-A
Matrix: Solid
Analysis Batch: 3259

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	253.5		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-3235/3-A
Matrix: Solid
Analysis Batch: 3259

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	249.6		mg/Kg		100	90 - 110	2	20

QC Association Summary

Client: NT Global
Project/Site: EOG-DOGWOOD 23 Fed CTB

Job ID: 880-2286-1
SDG: Lea County, NM

GC VOA

Prep Batch: 3223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2286-1	SW-3	Total/NA	Solid	5035	
880-2286-2	SW-4	Total/NA	Solid	5035	
880-2286-3	SW-5	Total/NA	Solid	5035	
MB 880-3223/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3223/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3223/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 3232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2286-1	SW-3	Total/NA	Solid	8021B	3223
880-2286-2	SW-4	Total/NA	Solid	8021B	3223
880-2286-3	SW-5	Total/NA	Solid	8021B	3223
MB 880-3223/5-A	Method Blank	Total/NA	Solid	8021B	3223
LCS 880-3223/1-A	Lab Control Sample	Total/NA	Solid	8021B	3223
LCSD 880-3223/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3223

GC Semi VOA

Prep Batch: 3219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2286-1	SW-3	Total/NA	Solid	8015NM Prep	
880-2286-2	SW-4	Total/NA	Solid	8015NM Prep	
880-2286-3	SW-5	Total/NA	Solid	8015NM Prep	
MB 880-3219/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3219/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3219/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 3220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2286-1	SW-3	Total/NA	Solid	8015B NM	3219
880-2286-2	SW-4	Total/NA	Solid	8015B NM	3219
880-2286-3	SW-5	Total/NA	Solid	8015B NM	3219
MB 880-3219/1-A	Method Blank	Total/NA	Solid	8015B NM	3219
LCS 880-3219/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3219
LCSD 880-3219/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3219

HPLC/IC

Leach Batch: 3235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2286-1	SW-3	Soluble	Solid	DI Leach	
880-2286-2	SW-4	Soluble	Solid	DI Leach	
880-2286-3	SW-5	Soluble	Solid	DI Leach	
MB 880-3235/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3235/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3235/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 3259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2286-1	SW-3	Soluble	Solid	300.0	3235
880-2286-2	SW-4	Soluble	Solid	300.0	3235
880-2286-3	SW-5	Soluble	Solid	300.0	3235

QC Association Summary

Client: NT Global
Project/Site: EOG-DOGWOOD 23 Fed CTB

Job ID: 880-2286-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 3259 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-3235/1-A	Method Blank	Soluble	Solid	300.0	3235
LCS 880-3235/2-A	Lab Control Sample	Soluble	Solid	300.0	3235
LCSD 880-3235/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3235

Lab Chronicle

Client: NT Global
Project/Site: EOG-DOGWOOD 23 Fed CTB

Job ID: 880-2286-1
SDG: Lea County, NM

Client Sample ID: SW-3

Date Collected: 05/18/21 00:00
Date Received: 05/19/21 09:11

Lab Sample ID: 880-2286-1
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			4.95 g	5 mL	3223	05/19/21 14:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3232	05/19/21 20:17	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3219	05/19/21 15:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3220	05/19/21 19:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	3235	05/19/21 15:00	CH	XEN MID
Soluble	Analysis	300.0		1			3259	05/19/21 22:06	SC	XEN MID

Client Sample ID: SW-4

Date Collected: 05/18/21 00:00
Date Received: 05/19/21 09:11

Lab Sample ID: 880-2286-2
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			4.99 g	5 mL	3223	05/19/21 14:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3232	05/19/21 20:38	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3219	05/19/21 15:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3220	05/19/21 20:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3235	05/19/21 15:00	CH	XEN MID
Soluble	Analysis	300.0		1			3259	05/19/21 22:21	SC	XEN MID

Client Sample ID: SW-5

Date Collected: 05/18/21 00:00
Date Received: 05/19/21 09:11

Lab Sample ID: 880-2286-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	3223	05/19/21 14:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3232	05/19/21 20:58	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3219	05/19/21 15:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3220	05/19/21 20:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3235	05/19/21 15:00	CH	XEN MID
Soluble	Analysis	300.0		1			3259	05/19/21 22:26	SC	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: EOG-DOGWOOD 23 Fed CTB

Job ID: 880-2286-1
SDG: Lea County, NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

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

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: NT Global
Project/Site: EOG-DOGWOOD 23 Fed CTB

Job ID: 880-2286-1
SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

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

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

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: EOG-DOGWOOD 23 Fed CTB

Job ID: 880-2286-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-2286-1	SW-3	Solid	05/18/21 00:00	05/19/21 09:11	
880-2286-2	SW-4	Solid	05/18/21 00:00	05/19/21 09:11	
880-2286-3	SW-5	Solid	05/18/21 00:00	05/19/21 09:11	

NTG ENVIRONMENTAL

Chain of Cu

880-2286 Chain of Custody

ork Order No: 2286

5/20/2021

Page 1 of 1

Project Manager:	Mike Carmona	Bill to. (if different)	Todd Wells
Company Name:	NTG Environmental	Company Name:	EOG Resources
Address:	701 Tradewinds BLVD	Address.	5509 Champions Dr
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland, Tx 79706
Phone:	432-312-7736	Email:	Todd_Wells@eogresources.com

Work Order Comments

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

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name:	Dogwood 23 Fed CTB	Turn Around	
Project Number:	214188	☐ Routine ☑ Rush	
Project Location	Lea Co, NM	Due Date	48 Hrs
Sampler's Name:	ES	TAT starts the day received by the lab, if received by 4 30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID:	IR8	
Cooler Custody Seals.	Yes No (N/A)	Correction Factor:	+0.5	
Sample Custody Seals.	Yes No (N/A)	Temperature Reading:	5.5	
Total Containers.	3	Corrected Temperature:	6.0	

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
SW-3	5/18/2021		X		C	1		X	X	X		
SW-4	5/18/2021		X		C	1		X	X	X		
SW-5	5/18/2021		X		C	1		X	X	X		

Parameters

Additoinal Comments:

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by. (Signature)	Received by (Signature)	Date/Time
1		5/19/21 0911	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-2286-1
SDG Number: Lea County, NM

Login Number: 2286
List Number: 1
Creator: Phillips, Kerianna

List Source: Eurofins Xenco, Midland

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

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

Operator:	OGRID:
EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	7377
	Action Number: 32314
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	8/12/2021