TOPAZ LATERAL
Remediation Summary & Closure Report

NMOCD Incident No. nAPP2324144714
UL "J", Sec. 32, T20S, R34E
32.52854°, -103.58179°
Lea County, New Mexico

May 28, 2024

PREPARED ON BEHALF OF

Targa Resources
201 South 4th Street
Artesia, NM 88210

PREPARED BY

Tasman, Inc.
2620 W. Marland Blvd.
Hobbs, NM 88240

TASMAN

May 28, 2024

Targa Resources
201 South 4th Street
Artesia, NM 88210

Attn: Ms. Amber Groves
Email: agroves@targaresources.com

Re: Remediation Summary & Closure Report
Topaz Lateral
UL "J", Section 32, Township 20 South, Range 34 East
Lea County, New Mexico
NMOCD Incident No. nAPP2324144714
Tasman Project No. 6842

Dear Ms. Groves,

Tasman, Inc. (Tasman) is pleased to submit this Remediation Summary and Closure Report for the above referenced site. Site assessment and remediation activities were executed in accordance with the New Mexico Oil Conservation Division (NMOCD) regulations concerning the remediation of releases of natural gas and natural gas condensate to the environment.

Heavy equipment was used to remove approximately 1,176 cubic yards of impacted material from the release area. Based on laboratory analytical results from soil samples collected during confirmation sampling activities, impacted soil within the release area has been remediated below the applicable NMOCD Action Levels and in accordance with NMOCD standards. Additional project details are provided in the attached summary report.

Tasman appreciates the opportunity to provide environmental services to Targa Resources. Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Sincerely,
Tasman, Inc.

Brett Dennis
Project Manager
bdennis@tasman-geo.com

Kyle Norman
Southwest Regional Manager
knorman@tasman-geo.com

TASMAN

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1.0 INTRODUCTION

Tasman, Inc. (Tasman) is pleased to submit this Remediation Summary and Closure Report for the Topaz Lateral (site) on behalf of Targa Resources (Targa) documenting the results of field activities conducted in response to a release of natural gas and natural gas condensate to environmental media.

1.1 Site Description

The site is located in Unit Letter "J" of Section 32, Township 20 South, Range 34 East (32.52854°, -103.58179°) in Lea County, New Mexico. The release occurred due to failure of a 12-inch poly gas gathering pipeline on property held by the New Mexico State Land Office (NMSLO).

1.2 Release Detail and Initial Response

On August 24,2023, the gas gathering pipeline was discovered by Targa personnel to have failed. A Notification of Release (NOR) and initial Form C-141 were provided to the New Mexico Oil Conservation District (NMOCD) via online portal on August 31st, 2023. The release resulted in the release of approximately 0.8 barrels (bbls) of natural gas condensate and 95.89 thousand cubic feet (mcf) of natural gas to the surrounding environmental media. Targa personnel shut in the pipeline to isolate the release. The line was later repaired and returned to service. No natural gas or natural gas condensate was recovered. Copies of the NMOCD notifications are provided in Appendix A.

2.0 SITE CHARACTERISTICS

2.1 Depth to Groundwater

Tasman reviewed available depth to groundwater information available through the New Mexico Office of the State Engineer (NMOSE) and the United States Geologic Survey (USGS) for registered water wells within a half-mile radius of the site. The nearest registered water well, identified as POD 01860, is located 1.18 miles from the site. Advanced in 2021, the total depth of the boring was recorded at 112 feet below ground surface (bgs) with no groundwater being encountered.

The Site Location & Groundwater Map included as Figure 1 illustrates the location of the registered water wells within the vicinity of the site, and a summary of depth to groundwater information is provided as Appendix B.

2.2 Karst Potential & Subsurface Mines

Tasman utilized the publicly available karst potential map published by the Bureau of Land Management (BLM) Carlsbad Field Office (CFO) to determine the potential for encountering karst formations beneath the site. Review of the BLM CFO karst potential map indicates that the site is not located in an area of high potential to encounter karstic features.

Tasman utilized the USGS Mineral Resources database to determine that there are no subsurface mines beneath or in the vicinity of the site.

Areas of high/critical karst and subsurface mine locations are illustrated on Figure 2.

2.3 Distance to Nearest Potable Water Well

The nearest potable water well was identified as NMOSE POD CP-01262. The well is located 1.24 miles from the site and is currently utilized for watering livestock. The location of POD CP-01262 is shown on the attached Figure 1.

2.4 Distance to Nearest Surface Water

Tasman reviewed aerial imagery and the National Wetland Inventory Map, published by the U.S. Fish and Wildlife Service, for wetlands and surface water in the vicinity of the site. The nearest significant surface water was identified as Laguna Gatuna located 7.27 miles from the site. One freshwater emergent wetland was identified 1.14 miles from the site. The location of the nearest wetland is illustrated on Figure 1 and surface water body on Figure 3.

2.5 100-year Floodplain

Review of flood map data published by the Federal Emergency Management Agency (FEMA) indicates the site is not located within a 100-year floodplain. A copy of the FEMA FIRMete Map can be found attached as Figure 4.

2.6 Residence, School, Hospital, or Institution

Review of aerial imagery did not show that the site is within 300 feet of an occupied permanent residence, school, hospital, or institution.

2.7 Proximity to Sensitive Receptors and Site Characteristics Summary

The table below denotes if the site is located within the minimum allowable distance from a sensitive receptor, as defined in New Mexico Administrative Code (NMAC) 19.15.29.

Site Characteristics Summary		
Approximate depth to groundwater:	~112 ft bgs	
Within an area of high karst potential?	☐ Yes	☑ No
Within 300 ft. of any continuously flowing of significant watercourse?	☐ Yes	☑ No
Within 200 ft. of any lakebed, sinkhole, or playa lake?	☐ Yes	☑ No
Within 300 ft. of an occupied permanent residence, school, hospital, or institution?	☐ Yes	☑ No
Within 500 ft. of a spring or private, domestic fresh water well?	☐ Yes	☑ No
Within 1,000 ft. of any fresh water well?	☐ Yes	☑ No
Within the incorporated municipal boundaries or within a municipal well field?	☐ Yes	☑ No
Within 300 ft. of a wetland?	☐ Yes	☑ No
Within the area overlying a subsurface mine?	☐ Yes	☑ No
Within a 100-year floodplain?	☐ Yes	☑ No

3.0 REMEDIATION ACTION LEVELS

NMOCD assessment and cleanup levels for hydrocarbon and produced water releases are based on depth to groundwater and proximity to sensitive receptors as established in NMAC 19.15.29. Depth to groundwater data was not available within one half-mile of the site that was collected within the past 25 years. Therefore, the NMOCD Action Levels for a site with a depth to groundwater of less than 50 feet bgs were utilized; these Action Levels are as follows:

Constituent	Remediation Action Level
Chloride	600 mg/kg
TPH (GRO+DRO+MRO)	100 mg/kg
TPH (GRO+DRO)	N/A
BTEX	50 mg/kg
Benzene	10 mg/kg

TPH – total petroleum hydrocarbons
DRO – diesel range organics
BTEX – benzene, toluene, ethylbenzene, total xylenes
GRO – gasoline range organics
MRO – motor/lube oil range organics
mg/kg – milligrams per kilogram

3.1 Reclamation Levels

NMAC 19.15.29.13(D) codifies, and the *Procedures for Implementation of the Spill Rule,* dated September 6, 2019, clarifies that the top four feet of the remediated area should be non-waste containing. Therefore, the NMOCD Reclamation Standards are applied to the top four feet of any area impacted by a release that is not located within an active production facility. NMOCD Reclamation Standards are as follows:

Constituent	Reclamation Standard
Chloride	600 mg/kg
TPH (GRO+DRO+MRO)	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

4.0 SOIL SAMPLING PROCEDURES

4.1 Soil Sampling Procedures for Laboratory Analysis

The collection of soil samples for laboratory analysis was conducted in accordance with NMOCD criteria and generally approved industry standards. Collected soil samples were placed in laboratory provided containers, properly labeled, and preserved on ice pending delivery under a chain of custody form to Envirotech in Farmington, New Mexico.

4.2 Soil Analytical Methods

Each soil sample was analyzed using Environmental Protection Agency (EPA) methods or other NMOCD-approved methods. Laboratory analytical methods are as follows:

- Chloride – EPA Method 300.
- Total Petroleum Hydrocarbons (TPH) – gasoline, diesel, and motor/lube oil range organics (GRO+DRO+MRO) – EPA Method 8015M Extended.
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) – EPA Method 8021B.

5.0 SUMMARY OF REMEDIAL ACTIVITIES

5.1 Remedial Activities

From January 29 to February 21, 2024, Tasman utilized heavy equipment to excavate impacted soil from within the release margins. Excavated material was stockpiled on-site atop a polyethylene liner pending transportation to an NMOCD approved disposal facility.

The remedial final excavations measured approximately 295 feet long by 23 feet wide ranging from 2 to 5 feet deep. Approximately 1,176 cubic yards of excavated material was exported to Lazy Ace Land Farm.

A photographic log is provided in Appendix C. Copies of solid manifests are available upon request.

5.2 Confirmation Data Evaluation

On February 2, 2024, Targa provided a sampling notification via the NMOCD online portal (Appendix A). On February 6, 2024, Tasman mobilized to the site to collect confirmation soil samples from the base and sidewalls of the remedial excavation. Sixteen confirmation soil samples were collected from the base of the excavation and eight confirmation soil samples were collected from the sidewalls of the excavation. Each confirmation soil sample was collected as a five-point composite representing approximately 200 square feet (ft^2) or less of excavation base or sidewall area.

Detected concentrations of total TPH exceeded NMOCD Action Levels in 13 of 16 floor samples and in 4 of 8 side wall confirmation soil samples, ranging from 109 milligrams per kilogram (mg/kg) in confirmation soil sample W-4 to 2,278 mg/kg in confirmation soil sample W-5.

No collected confirmation soil samples showed concentrations of chlorides exceeding the NMOCD Action Level of 600 mg/kg.

Benzene was not detected above laboratory reported detection limit (RDLs) in each of the collected confirmation soil samples. Total BTEX was detected in soil sample FL-10 at a concentration of 0.190 mg/kg which is below the NMOCD Action Level.

From February 7 to February 15, 2024, Tasman personnel continued excavation activities to address soils exceeding NMOCD Action Levels. On February 16, 2024, Tasman personnel mobilized to the site to collect confirmation samples from the floor and sidewalls of the excavation. Thirteen confirmation samples were collected from the base of the excavation and four confirmation samples were collected from the sidewalls of the excavation.

Concentrations of TPH exceeded the NMOCD Action level in confirmation soil sample FL-9A and W-7A at 124 mg/kg and 306 mg/kg, respectively.

Concentrations of BTEX were not detected above the laboratory RDLs in the fourteen collected confirmation soil samples.

Concentrations of chlorides were detected in nine of the fourteen confirmation samples above the laboratory RDL but below the NMOCD Action Level. Detected concentrations of chlorides ranged from 22.7 mg/kg to 410 mg/kg.

Benzene and total BTEX were not detected above the laboratory RDLs in each of the collected confirmation soil samples.

On February 21, 2024, Tasman personnel continued excavation activities to address soil exceeding NMOCD Action Levels at confirmation soil sample points FL-9A and W-7A. The same day, confirmation samples were collected from the extended areas, identified as confirmation samples FL-9B and W-7B. The collected soil samples did not exhibit concentrations of BTEX, TPH, or chlorides above NMOCD Action Levels.

A summary of soil analytical results are provided as Table 1 and certified laboratory analytical reports are provided in Appendix D. The attached Figure 5 illustrates excavation extents and confirmation sample locations.

6.0 RESTORATION AND RECLAMATION

According to the United States Geological Survey (USGS) Web Soil Survey the site is characterized as loamy fine sands and sandy clay loam to a depth of 28 inches. Cemented materials are expected to be encountered from 28 to 38 inches below ground surface.

Remedial activities at the above referenced site have resulted in a disturbed area of approximately 23,069 square feet. Targa will seed the disturbed area using the NMSLO Sandy Loam see mixture (Appendix E), as recommended by the NMSLO Environmental Compliance Office (ECO).

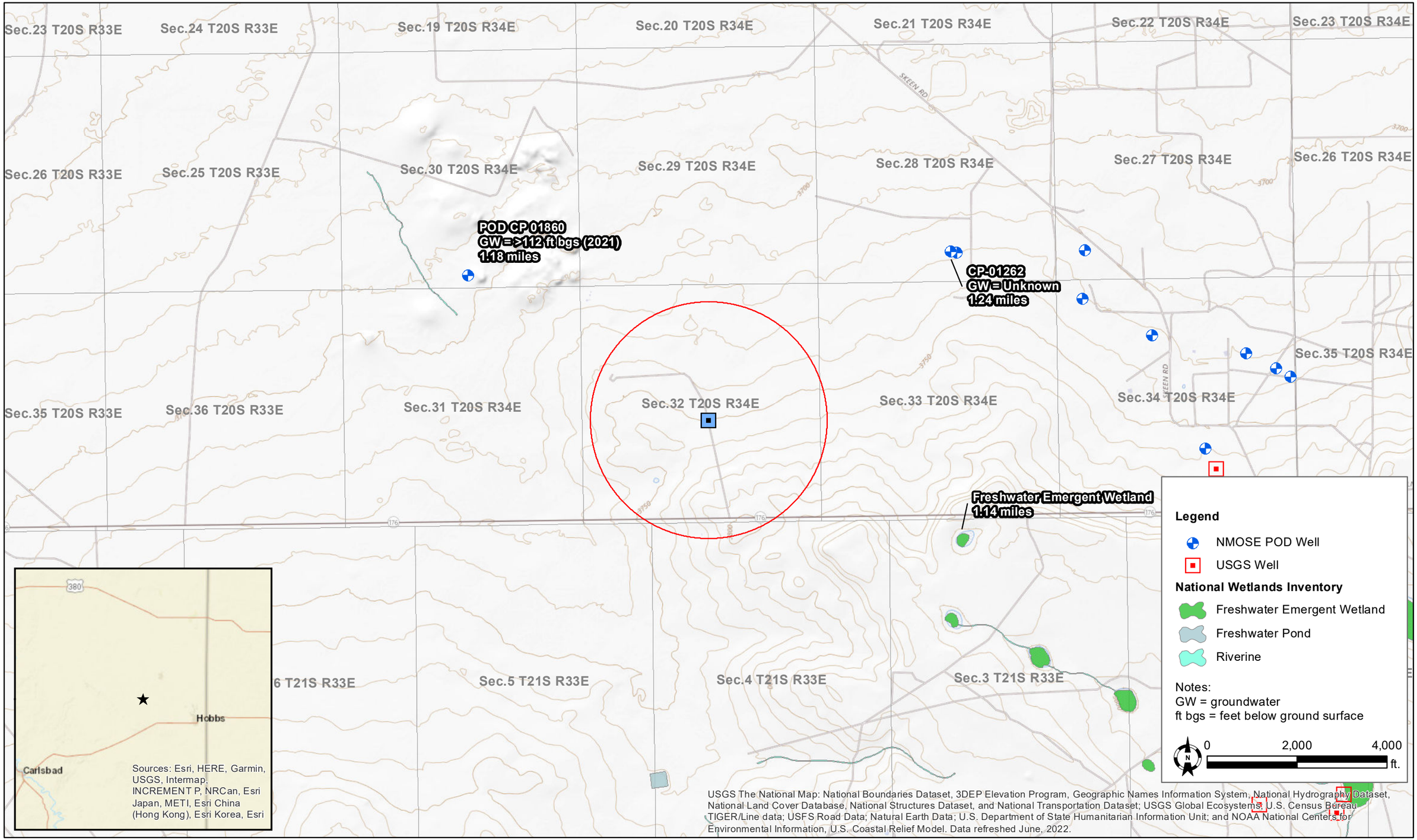
Prior to seed application, the disturbed soil will be prepped using a disced plow or like. The seed mix will then be broadcast at a rate two times the suggested amount to ensure the greatest likelihood for sufficient germination. The seed will be “set” using mechanical means (e.g., screen or disc harrow) following the seeding event.

Once per quarter Targa will arrange for the site to be inspected for vegetative growth and the presence of noxious and/or invasive weeds. If weeds are observed, Targa will arrange for the reclaimed areas to be appropriately treated for the undesired species. The monitoring period will continue until NMOCD determines that vegetative cover is sufficient.

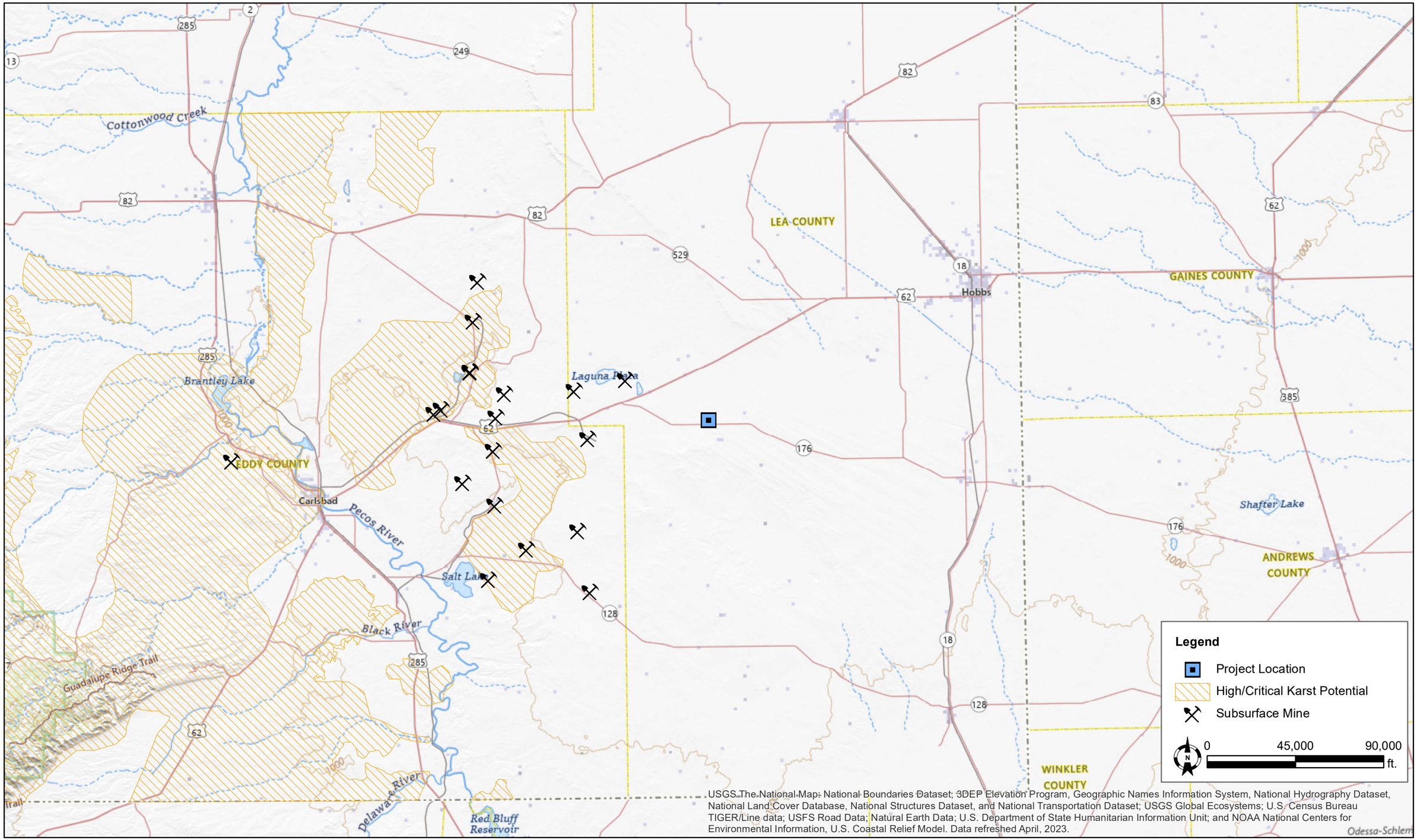
7.0 SITE CLOSURE REQUEST

Based on laboratory analytical results from soil samples collected during the confirmation sampling events, impacted soil within the release area has been remediated below the applicable NMOCD Action Levels in accordance with NMAC 19.15.29. As such, Tasman, on behalf of Targa, respectfully requests that the site be granted closure.

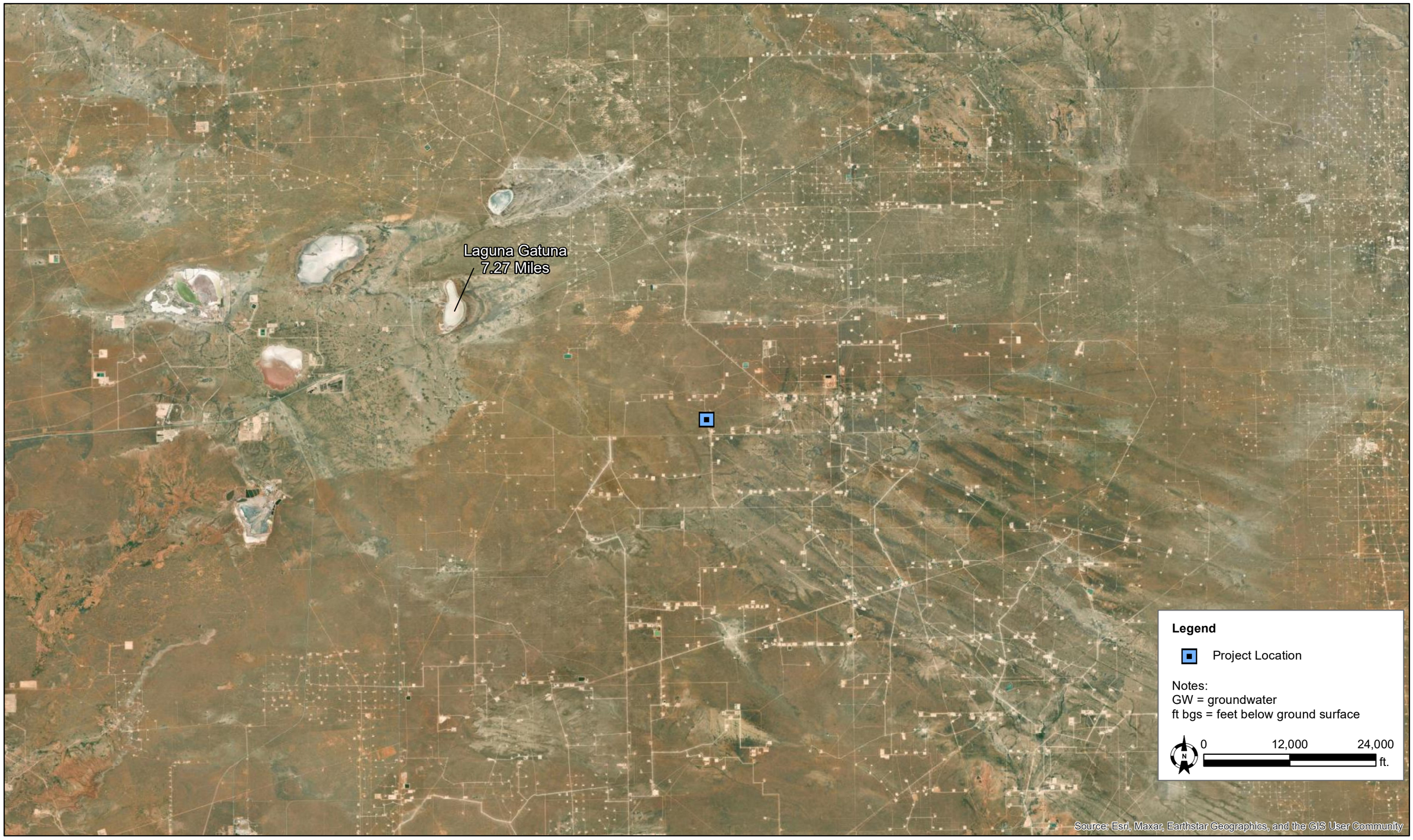
Figures



DATE: Februrary 2024 DESIGNED BY: B. Dennis DRAWN BY: B. Dennis	TASMAN **Tasman, Inc.** **6855 W. 119th Ave** **Broomfield, CO 80020**	**Targa Resources** **Topaz Lateral - nAPP2324144714** UL "J", Sec. 32, T20S, R34E Lea County, New Mexico	Site Location & Groundwater Map	Figure 1



DATE: May 2024 DESIGNED BY: B. Dennis DRAWN BY: K. Stark	TASMAN **Tasman, Inc.** **6855 W. 119th Ave** **Broomfield, CO 80020**	**Targa Recources** **Topaz Lateral - nAPP2324144714** UL “J”, Sec. 32, T20S, R34E Lea County, New Mexico	Karst Potential & Subsurface Mine Map	Figure 2



DATE: May 2024 DESIGNED BY: K. Stark DRAWN BY: K. Stark	TASMAN **Tasman, Inc.** **6855 W. 119th Ave** **Broomfield, CO 80020**	**Targa Resources** **Topaz Lateral - nAPP2324144714** UL "J", Sec. 32, T20S, R34E Lea County, New Mexico	Surface Water Map	Figure 3

National Flood Hazard Layer FIRMette

FEMA

103°35'13"W 32°31'58"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°34'36"W 32°31'28"N

Basemap Imagery Source: USGS National Map 2023

Legend

Figure 4

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/15/2024 at 12:39 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

DATE: May 2024 DESIGNED BY: C. Flores DRAWN BY: K. Stark	TASMAN Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**Targa Resources** **Topaz Lateral - nAPP2324144714** UL "J", Sec. 32, T20S, R34E Lea County, New Mexico	Excavation Overview Map	Figure 5

Tables

TABLE 1 - SOIL ANALYTICAL SUMMARY - CONFIRMATION SOIL SAMPLES
Targa Resources
Topaz Lateral
NMOCD Incident No. nAPP2324144714

Sample ID	Sample Depth	Sample Date	Soil Status	PID (ppm)	Field Chloride (mg/kg)	Benzene (mg/kg)	Total BTEX[1] (mg/kg)	TPH[2] (mg/kg)				Chrloride[3] (mg/kg)
								GRO	DRO	MRO	TOTAL	
Confirmation Soil Samples												
FL-1	5'	2/6/2024	In Situ	2.8	89	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
FL-2	5'	2/6/2024	In Situ	2.9	91	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
FL-3	5'	2/6/2024	In Situ	2.5	87	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
FL-4	3'	2/6/2024	Excavated	15.1	87	<0.0250	<0.0250	<20.0	**103**	**68.2**	**171**	**23.8**
FL-4A	5'	2/16/2024	In Situ	2.5	89	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
FL-5	3'	2/6/2024	Excavated	3.6	87	<0.0250	<0.0250	<20.0	**239**	**158**	**397**	<20.0
FL-5A	5'	2/16/2024	In Situ	1.9	90	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
FL-6	3'	2/6/2024	Excavated	0.4	85	<0.0250	<0.0250	<20.0	**160**	**125**	**285**	<20.0
FL-6A	5'	2/16/2024	In Situ	2.1	85	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	**43.7**
FL-7	1'	2/6/2024	Excavated	1.1	91	<0.0250	<0.0250	<20.0	**264**	**169**	**433**	**30.3**
FL-7A	2'	2/16/2024	In Situ	1.7	83	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	**20.6**
FL-8	1'	2/6/2024	Excavated	5.3	117	<0.0250	<0.0250	<20.0	**1,410**	**678**	**2,088**	**56.1**
FL-8A	2'	2/16/2024	In Situ	2.1	84	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	**33.1**
FL-9	2'	2/6/2024	Excavated	10.4	89	<0.0250	<0.0250	<20.0	**772**	**392**	**1,164**	**30.4**
FL-9A	3'	2/16/2024	Excavated	3.9	84	<0.0250	<0.0250	<20.0	**70.4**	**53.5**	**124**	**22.4**
FL-9B	4'	2/21/2024	In Situ	---	---	<0.0250	<0.0250	<20.0	**44.3**	<50.0	**44.3**	<20.0
FL-10	2'	2/6/2024	Excavated	16.1	85	<0.0250	**0.190**	<20.0	**1,450**	**676**	**2,126**	**32.8**
FL-10A	3'	2/16/2024	In Situ	3.8	85	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
FL-11	2'	2/6/2024	Excavated	3.1	83	<0.0250	<0.0250	<20.0	**142**	**124**	**266**	<20.0
FL-11A	3'	2/16/2024	In Situ	1.4	88	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
FL-12	2'	2/6/2024	Excavated	1.1	84	<0.0250	<0.0250	<20.0	**178**	**141**	**319**	<20.0
FL-12A	3'	2/16/2024	In Situ	3.3	89	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
FL-13	2'	2/6/2024	Excavated	1.9	85	<0.0250	<0.0250	<20.0	**173**	**133**	**306**	<20.0
FL-13A	3'	2/16/2024	In Situ	0.5	85	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
FL-14	2'	2/6/2024	Excavated	1.4	84	<0.0250	<0.0250	<20.0	**204**	**148**	**352**	<20.0
FL-14A	3'	2/16/2024	In Situ	2.8	88	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
FL-15	2'	2/6/2024	Excavated	0.8	84	<0.0250	<0.0250	<20.0	**496**	**316**	**812**	**26.5**
FL-15A	3'	2/16/2024	In Situ	2.2	84	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
FL-16	2'	2/6/2024	Excavated	1.6	89	<0.0250	<0.0250	<20.0	**454**	**288**	**742**	**23.8**
FL-16A	3'	2/16/2024	In Situ	2.9	85	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
W-1	---	2/6/2024	In Situ	2.5	87	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
W-2	---	2/6/2024	Excavated	3.1	87	<0.0250	<0.0250	<20.0	**143**	**90.1**	**233**	<20.0
W-2A	---	2/16/2024	In Situ	1.2	89	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
W-3	---	2/6/2024	In Situ	3.6	178	<0.0250	<0.0250	<20.0	**32.0**	<50.0	**32.0**	**98.4**
W-4	---	2/6/2024	Excavated	3.4	84	<0.0250	<0.0250	<20.0	**54.1**	**55.1**	**109**	**24.3**
W-4A	---	2/16/2024	In Situ	1.7	90	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
W-5	---	2/6/2024	Excavated	11.4	144	<0.0250	<0.0250	<20.0	**1,480**	**798**	**2,278**	**69.6**
W-5A	---	2/16/2024	In Situ	1.5	113	<0.0250	<0.0250	<20.0	**82.1**	<50.0	**82.1**	**27.1**
W-6	---	2/6/2024	In Situ	2.1	86	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
W-7	---	2/6/2024	Excavated	5.0	86	<0.0250	<0.0250	<20.0	**707**	**401**	**1,108**	<20.0
W-7A	---	2/16/2024	Excavated	3.3	86	<0.0250	<0.0250	<20.0	**196**	**110**	**306**	<20.0
W-7B	---	2/21/2024	In Situ	---	---	<0.0250	<0.0250	<20.0	**32.9**	<50.0	**32.9**	**32.0**
W-8	---	2/6/2024	In Situ	0.8	89	<0.0250	<0.0250	<20.0	**46.3**	<50.0	**46.3**	**24.3**
NMOCD Reclamation Standards[4] (Applicable for soils less than 4 ft. below grade surface)				N/A	N/A	10	50	N/A			100	600
NMOCD Remediation and Delineation Standards[5] (Applicable for soils greater than 4 ft. below grade surface)				N/A	N/A	10	50	N/A			100	600

Notes:

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes by EPA method 8021B
2. TPH = Total petroleum hydrocarbons analyzed by method EPA 8015D (GRO/DRO/MRO)
3. Chloride - Analyzed by EPA method 300
4. New Mexico Administrative Code (NMAC) 19.15.29.13(D) - Restoration, Reclamation, and Re-vegetation (Reclamation for areas no longer in use) for soils extending to 4 ft. below grade surface (bgs).
5. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (NMAC 19.15.29.12(N))

* = Denotes discrete/grab sample
Bold values denote concentrations above laboratory RDL
Red values denote concentrations above NMOCD Action Levels

BGS = Below ground surface
GRO = Gasoline range organics
DRO = Diesel range organics
MRO = Motor/lube oil range organics
PID = Photoionization detector
--- = Sample was not analyzed for this analyte
<RDL = The analyte was not detected above the laboratory reported detection limit (RDL)
N/A = Not applicable
Ft. = Feet

Appendix A – Initial Form C-141 and NMOCD Notifications

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	nAPP2324144714
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party *Targa Resources*	OGRID *331548*
Contact Name *Amber Groves*	Contact Telephone *575-635-9096*
Contact email *agroves@targaresources.com*	Incident # *(assigned by OCD) nAPP2324144714*
Contact mailing address *PO Box 67, Monument, NM 88265*	

Location of Release Source

Latitude *32.52854* Longitude *-103.58179*
(NAD 83 in decimal degrees to 5 decimal places)

Site Name *Topaz Lateral*	Site Type *Pipeline*
Date Release Discovered *08/24/2023*	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
J	*32*	*20S*	*34E*	*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)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☒ Condensate	Volume Released (bbls) 0.8	Volume Recovered (bbls)
☒ Natural Gas	Volume Released (Mcf) 95.89	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
Targa Northern Delaware had a pipeline release on the Topaz Lateral resulting from high line pressure.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2324144714
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

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

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

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

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

Printed Name: Jason Fuentes Title: Area Manager

Signature: Date: 8-31-23

Email: Jason.fuentes@targaresources.com Telephone: (575)365-8939

OCD Only

Received by: Date:

Brett Dennis

From: Groves, Amber L. <agroves@targaresources.com>
Sent: Friday, February 2, 2024 12:02 PM
To: Brett Dennis
Subject: FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 310808

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, February 2, 2024 11:00 AM
To: Groves, Amber L. <agroves@targaresources.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 310808

To whom it may concern (c/o Amber Groves for Targa Northern Delaware, LLC.),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2324144714.

The sampling event is expected to take place:

When: 02/06/2024 @ 08:00
Where: J-32-20S-34E 0 FNL 0 FEL (32.52854,-103.58179)

Additional Information: Please contact Amber Groves at 575-635-9096 with any questions or concerns.

Additional Instructions: Please contact Amber Groves at 575-635-9096 for driving directions.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Appendix B – Depth to Groundwater Information

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD1 (BH-01)	n/a	C-1860 CP-1860

WELL OWNER NAME(S)	PHONE (OPTIONAL)
XTO Energy (Kyle Littrell)	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
6401 Holiday Hill Dr.	Midland	TX	79707

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32°	32'	15.33"	N
	LONGITUDE	-103°	35'	56.38"	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

SW SE Sec. 30 T20S R34E

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
02/25/2021	02/25/2021	temporary well material	112	n/a

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): n/a

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	112	±6.5	Boring- HSA	--	--	--	--

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT

RECEIVED OSE JAN 11 2021 WATER

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. CP-1860	POD NO. 1	TRN NO. 682530	
LOCATION 32 3 T20S R34E Sec 30		WELL TAG ID NO. NA	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	2	2	Caliche, tan, off-white, no odor, no stain, gravel, dry	Y ✓ N	
2	6	4	Sand, brown, no odor,no stain, m-f,well sorted, trace silt, dry	Y ✓ N	
6	15	9	Sandy clay,brown, moist, no odor, no stain, m-f, well sorted, no plasticty, no coh	Y ✓ N	
15	21	6	Clayey sand, tan-brown, moist, no odor, no stain, m-f, well sorted, cohesive, low	Y ✓ N	
21	--	--	Caliche w/ sand, tan, off-white, no odor, no stain, m-f grain, well sorted, dry	Y ✓ N	
--	40	19	23-gravel caliche 37-increase in sand content	Y ✓ N	
40	44	44	Sand w/ caliche, tan, brown, m-f grain, well sorted, no odor, no stain, dry	Y ✓ N	
44	58	14	Sandstone, mod. consolidation, m-f grain, increasing caliche tan/brown, dry,	Y ✓ N	
58	65	7	Clayey sand, brown, dry, m-f grain, well sorted, cohesive, medium plasticity	Y ✓ N	
65	78	13	Claystone, no odor, no stain, high plasticity, cohesive,brown, moist	Y ✓ N	
78	79	2	med-f grain sand stringer	Y ✓ N	
79	108	29	Claystone, no odor, no stain, high plasticity, cohesive,brown, moist	Y ✓ N	
108	109	1	fine grain sand stringer	Y ✓ N	
109	112	3	Claystone, no odor, no stain, high plasticity, cohesive,brown, moist	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from WSP on-site geologist.

OSE DII MAR 11 2021 PM4:28

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Shane Eldridge

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Jack Atkins — Jackie D. Atkins — 03/09/2021

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO.	CP - 1860	POD NO.	1	TRN NO.	682530	
LOCATION	323 T20S R34E Sec30			WELL TAG ID NO.	NA	PAGE 2 OF 2

John R. D Antonio, Jr., P.E.
State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 682530
File Nbr: CP 01860
Well File Nbr: CP 01860 POD1

Apr. 08, 2021

TACOMA MORRISSEY
WSP USA
3300 NORTH A STREET
BLDG 1 #222
MIDLAND, TX 79705

Greetings:

The above numbered permit was issued in your name on 12/01/2020.

The Well Record was received in this office on 03/11/2021, stating that it had been completed on 02/25/2021, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 12/01/2021.

If you have any questions, please feel free to contact us.

Sincerely,

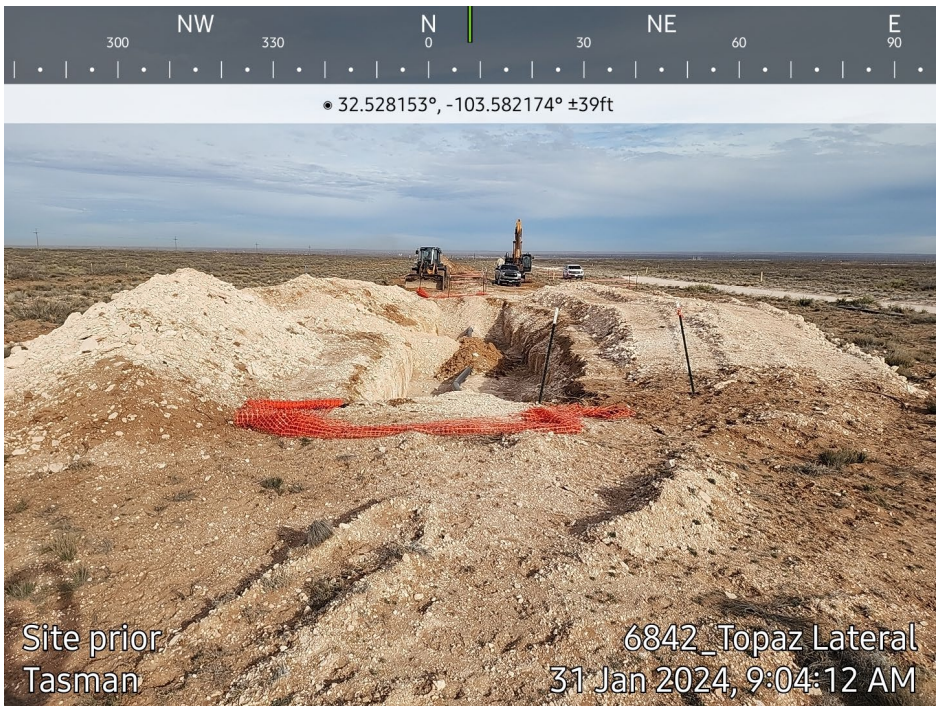
Andrew Dennis
(575)622-6521

drywell

Appendix C – Photographic Log

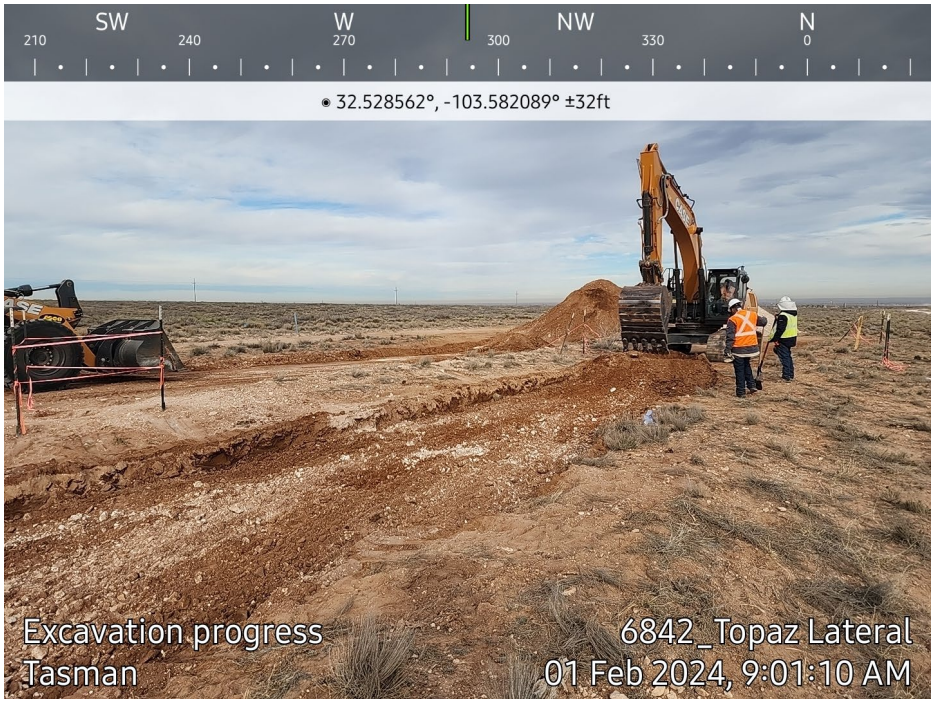
Targa Resources

Topaz Lateral



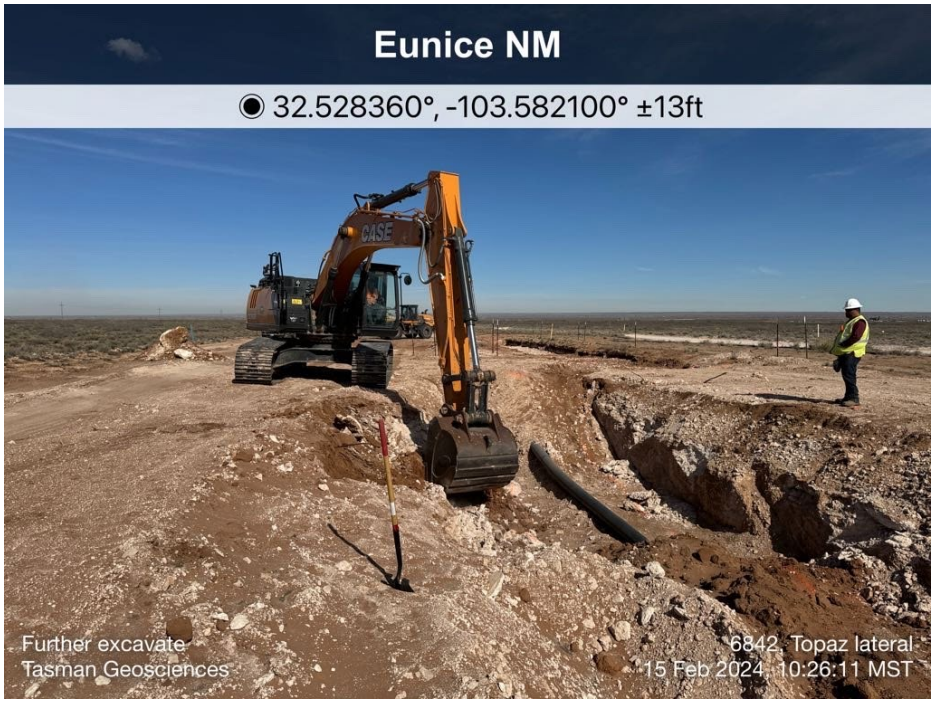
Targa Resources

Topaz Lateral



Targa Resources

Topaz Lateral



Targa Resources

Topaz Lateral

Appendix D – Certified Laboratory Analytical Reports

Report to:

Brett Dennis

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Targa

Project Name:	6842 Topaz Lateral
Work Order:	E402075
Job Number:	21102-0001
Received:	2/8/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/14/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 2/14/24

Brett Dennis
12600 WCR 91
Midland, TX 79707

Project Name: 6842 Topaz Lateral
Workorder: E402075
Date Received: 2/8/2024 6:00:00AM

Brett Dennis,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/8/2024 6:00:00AM, under the Project Name: 6842 Topaz Lateral.

The analytical test results summarized in this report with the Project Name: 6842 Topaz Lateral apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Targa	Project Name:	6842 Topaz Lateral	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	02/14/24 16:03

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FI-1	E402075-01A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
FI-2	E402075-02A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
FI-3	E402075-03A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
FI-4	E402075-04A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
FI-5	E402075-05A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
FI-6	E402075-06A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
FI-7	E402075-07A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
FI-8	E402075-08A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
FI-9	E402075-09A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
FI-10	E402075-10A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
FI-11	E402075-11A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
FI-12	E402075-12A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
FI-13	E402075-13A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
FI-14	E402075-14A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
FI-15	E402075-15A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
FI-16	E402075-16A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
W-1	E402075-17A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
W-2	E402075-18A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
W-3	E402075-19A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
W-4	E402075-20A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
W-5	E402075-21A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
W-6	E402075-22A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
W-7	E402075-23A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.
W-8	E402075-24A	Soil	02/06/24	02/08/24	Glass Jar, 2 oz.

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

FI-1

E402075-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.8 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2407017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/12/24	02/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/24	02/12/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*02/12/24*	*02/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406108
Chloride	ND	20.0	1	02/09/24	02/10/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

FI-2

E402075-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2407017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/12/24	02/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/24	02/12/24	
Surrogate: n-Nonane		*118 %*	*50-200*	*02/12/24*	*02/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406108
Chloride	ND	20.0	1	02/09/24	02/10/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

FI-3

E402075-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.2 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2407017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/12/24	02/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/24	02/12/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*02/12/24*	*02/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406108
Chloride	ND	20.0	1	02/09/24	02/10/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

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E402075-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.8 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2407017
Diesel Range Organics (C10-C28)	**103**	25.0	1	02/12/24	02/12/24	
Oil Range Organics (C28-C36)	**68.2**	50.0	1	02/12/24	02/12/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*02/12/24*	*02/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406108
Chloride	**23.8**	20.0	1	02/09/24	02/10/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

FI-5

E402075-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.9 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.3 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2407017
Diesel Range Organics (C10-C28)	**239**	25.0	1	02/12/24	02/12/24	
Oil Range Organics (C28-C36)	**158**	50.0	1	02/12/24	02/12/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*02/12/24*	*02/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406108
Chloride	ND	20.0	1	02/09/24	02/10/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

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E402075-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.0 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2407017
Diesel Range Organics (C10-C28)	**160**	25.0	1	02/12/24	02/12/24	
Oil Range Organics (C28-C36)	**125**	50.0	1	02/12/24	02/12/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*02/12/24*	*02/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406108
Chloride	ND	20.0	1	02/09/24	02/10/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

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E402075-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.5 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2407017
Diesel Range Organics (C10-C28)	**264**	25.0	1	02/12/24	02/12/24	
Oil Range Organics (C28-C36)	**169**	50.0	1	02/12/24	02/12/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*02/12/24*	*02/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406108
Chloride	**30.3**	20.0	1	02/09/24	02/10/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

FI-8

E402075-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.4 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2407017
Diesel Range Organics (C10-C28)	**1410**	25.0	1	02/12/24	02/12/24	
Oil Range Organics (C28-C36)	**678**	50.0	1	02/12/24	02/12/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*02/12/24*	*02/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406108
Chloride	**56.1**	20.0	1	02/09/24	02/10/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

FI-9

E402075-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.5 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2407017
Diesel Range Organics (C10-C28)	**772**	25.0	1	02/12/24	02/13/24	
Oil Range Organics (C28-C36)	**392**	50.0	1	02/12/24	02/13/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*02/12/24*	*02/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406108
Chloride	**30.4**	20.0	1	02/09/24	02/10/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

FI-10

E402075-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	**0.0799**	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	**0.111**	0.0500	1	02/08/24	02/13/24	
Total Xylenes	**0.190**	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.0 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.0 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2407017
Diesel Range Organics (C10-C28)	**1450**	25.0	1	02/12/24	02/13/24	
Oil Range Organics (C28-C36)	**676**	50.0	1	02/12/24	02/13/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*02/12/24*	*02/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406108
Chloride	**32.8**	20.0	1	02/09/24	02/10/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

FI-11

E402075-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.5 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2407017
Diesel Range Organics (C10-C28)	**142**	25.0	1	02/12/24	02/13/24	
Oil Range Organics (C28-C36)	**124**	50.0	1	02/12/24	02/13/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*02/12/24*	*02/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406108
Chloride	ND	20.0	1	02/09/24	02/10/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

FI-12

E402075-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.0 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2407017
Diesel Range Organics (C10-C28)	**178**	25.0	1	02/12/24	02/13/24	
Oil Range Organics (C28-C36)	**141**	50.0	1	02/12/24	02/13/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*02/12/24*	*02/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406108
Chloride	ND	20.0	1	02/09/24	02/10/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

FI-13

E402075-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.9 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2407017
Diesel Range Organics (C10-C28)	**173**	25.0	1	02/12/24	02/13/24	
Oil Range Organics (C28-C36)	**133**	50.0	1	02/12/24	02/13/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*02/12/24*	*02/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406108
Chloride	ND	20.0	1	02/09/24	02/10/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

FI-14

E402075-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.9 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2407017
Diesel Range Organics (C10-C28)	**204**	25.0	1	02/12/24	02/13/24	
Oil Range Organics (C28-C36)	**148**	50.0	1	02/12/24	02/13/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*02/12/24*	*02/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406108
Chloride	ND	20.0	1	02/09/24	02/10/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

FI-15

E402075-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.5 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2407017
Diesel Range Organics (C10-C28)	**496**	25.0	1	02/12/24	02/13/24	
Oil Range Organics (C28-C36)	**316**	50.0	1	02/12/24	02/13/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*02/12/24*	*02/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406108
Chloride	**26.5**	20.0	1	02/09/24	02/10/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

FI-16

E402075-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2407017
Diesel Range Organics (C10-C28)	**454**	25.0	1	02/12/24	02/13/24	
Oil Range Organics (C28-C36)	**288**	50.0	1	02/12/24	02/13/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*02/12/24*	*02/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406108
Chloride	**23.8**	20.0	1	02/09/24	02/10/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

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E402075-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.6 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2407017
Diesel Range Organics (C10-C28)	ND	25.0	1	02/12/24	02/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/24	02/13/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*02/12/24*	*02/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406108
Chloride	ND	20.0	1	02/09/24	02/12/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

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E402075-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2407017
Diesel Range Organics (C10-C28)	**143**	25.0	1	02/12/24	02/13/24	
Oil Range Organics (C28-C36)	**90.1**	50.0	1	02/12/24	02/13/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/12/24*	*02/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406108
Chloride	ND	20.0	1	02/09/24	02/12/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

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E402075-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2407017
Diesel Range Organics (C10-C28)	**32.0**	25.0	1	02/12/24	02/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/24	02/13/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*02/12/24*	*02/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406108
Chloride	**98.4**	20.0	1	02/09/24	02/12/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

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E402075-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Benzene	ND	0.0250	1	02/08/24	02/13/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/13/24	
Toluene	ND	0.0250	1	02/08/24	02/13/24	
o-Xylene	ND	0.0250	1	02/08/24	02/13/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/13/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.7 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2406082
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*02/08/24*	*02/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2407017
Diesel Range Organics (C10-C28)	**54.1**	25.0	1	02/12/24	02/13/24	
Oil Range Organics (C28-C36)	**55.1**	50.0	1	02/12/24	02/13/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*02/12/24*	*02/13/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406108
Chloride	**24.3**	20.0	1	02/09/24	02/12/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

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E402075-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2406081
Benzene	ND	0.0250	1	02/08/24	02/09/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/09/24	
Toluene	ND	0.0250	1	02/08/24	02/09/24	
o-Xylene	ND	0.0250	1	02/08/24	02/09/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/09/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/09/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.2 %*	*70-130*	*02/08/24*	*02/09/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2406081
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*02/08/24*	*02/09/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407018
Diesel Range Organics (C10-C28)	**1480**	25.0	1	02/12/24	02/12/24	
Oil Range Organics (C28-C36)	**798**	50.0	1	02/12/24	02/12/24	
Surrogate: n-Nonane		*80.6 %*	*50-200*	*02/12/24*	*02/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406107
Chloride	**69.6**	20.0	1	02/09/24	02/09/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

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E402075-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2406081
Benzene	ND	0.0250	1	02/08/24	02/09/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/09/24	
Toluene	ND	0.0250	1	02/08/24	02/09/24	
o-Xylene	ND	0.0250	1	02/08/24	02/09/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/09/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/09/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*02/08/24*	*02/09/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2406081
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*02/08/24*	*02/09/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407018
Diesel Range Organics (C10-C28)	ND	25.0	1	02/12/24	02/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/24	02/12/24	
Surrogate: n-Nonane		*82.2 %*	*50-200*	*02/12/24*	*02/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406107
Chloride	ND	20.0	1	02/09/24	02/09/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

W-7

E402075-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2406081
Benzene	ND	0.0250	1	02/08/24	02/09/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/09/24	
Toluene	ND	0.0250	1	02/08/24	02/09/24	
o-Xylene	ND	0.0250	1	02/08/24	02/09/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/09/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/09/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.9 %*	*70-130*	*02/08/24*	*02/09/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2406081
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*02/08/24*	*02/09/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407018
Diesel Range Organics (C10-C28)	**707**	25.0	1	02/12/24	02/12/24	
Oil Range Organics (C28-C36)	**401**	50.0	1	02/12/24	02/12/24	
Surrogate: n-Nonane		*82.5 %*	*50-200*	*02/12/24*	*02/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406107
Chloride	ND	20.0	1	02/09/24	02/09/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

W-8

E402075-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2406081
Benzene	ND	0.0250	1	02/08/24	02/09/24	
Ethylbenzene	ND	0.0250	1	02/08/24	02/09/24	
Toluene	ND	0.0250	1	02/08/24	02/09/24	
o-Xylene	ND	0.0250	1	02/08/24	02/09/24	
p,m-Xylene	ND	0.0500	1	02/08/24	02/09/24	
Total Xylenes	ND	0.0250	1	02/08/24	02/09/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.7 %*	*70-130*	*02/08/24*	*02/09/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2406081
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/24	02/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*02/08/24*	*02/09/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2407018
Diesel Range Organics (C10-C28)	**46.3**	25.0	1	02/12/24	02/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/24	02/12/24	
Surrogate: n-Nonane		*85.5 %*	*50-200*	*02/12/24*	*02/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2406107
Chloride	**24.3**	20.0	1	02/09/24	02/09/24	

QC Summary Data

Targa	Project Name:	6842 Topaz Lateral	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406081-BLK1)									Prepared: 02/08/24 Analyzed: 02/09/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.50*		*8.00*		*93.7*	*70-130*			
LCS (2406081-BS1)									Prepared: 02/08/24 Analyzed: 02/09/24
Benzene	5.05	0.0250	5.00		101	70-130			
Ethylbenzene	5.04	0.0250	5.00		101	70-130			
Toluene	5.04	0.0250	5.00		101	70-130			
o-Xylene	4.98	0.0250	5.00		99.6	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.52*		*8.00*		*94.0*	*70-130*			
Matrix Spike (2406081-MS1)				**Source: E402074-09**					Prepared: 02/08/24 Analyzed: 02/09/24
Benzene	4.81	0.0250	5.00	ND	96.3	54-133			
Ethylbenzene	4.80	0.0250	5.00	ND	96.0	61-133			
Toluene	4.80	0.0250	5.00	ND	96.0	61-130			
o-Xylene	4.74	0.0250	5.00	ND	94.8	63-131			
p,m-Xylene	9.69	0.0500	10.0	ND	96.9	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.54*		*8.00*		*94.2*	*70-130*			
Matrix Spike Dup (2406081-MSD1)				**Source: E402074-09**					Prepared: 02/08/24 Analyzed: 02/09/24
Benzene	5.06	0.0250	5.00	ND	101	54-133	5.08	20	
Ethylbenzene	5.04	0.0250	5.00	ND	101	61-133	5.00	20	
Toluene	5.05	0.0250	5.00	ND	101	61-130	5.08	20	
o-Xylene	4.99	0.0250	5.00	ND	99.9	63-131	5.18	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	4.93	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	5.02	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.70*		*8.00*		*96.3*	*70-130*			

QC Summary Data

Targa	Project Name:	6842 Topaz Lateral	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406082-BLK1)									Prepared: 02/08/24 Analyzed: 02/13/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.60*		*8.00*		*95.0*	*70-130*			
LCS (2406082-BS1)									Prepared: 02/08/24 Analyzed: 02/13/24
Benzene	4.33	0.0250	5.00		86.7	70-130			
Ethylbenzene	4.33	0.0250	5.00		86.6	70-130			
Toluene	4.32	0.0250	5.00		86.3	70-130			
o-Xylene	4.27	0.0250	5.00		85.5	70-130			
p,m-Xylene	8.74	0.0500	10.0		87.4	70-130			
Total Xylenes	13.0	0.0250	15.0		86.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.60*		*8.00*		*95.0*	*70-130*			
Matrix Spike (2406082-MS1)				**Source: E402075-10**					Prepared: 02/08/24 Analyzed: 02/13/24
Benzene	4.48	0.0250	5.00	ND	89.6	54-133			
Ethylbenzene	4.49	0.0250	5.00	ND	89.9	61-133			
Toluene	4.48	0.0250	5.00	ND	89.6	61-130			
o-Xylene	4.53	0.0250	5.00	0.0799	89.0	63-131			
p,m-Xylene	9.15	0.0500	10.0	0.111	90.4	63-131			
Total Xylenes	13.7	0.0250	15.0	0.190	89.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.87*		*8.00*		*98.3*	*70-130*			
Matrix Spike Dup (2406082-MSD1)				**Source: E402075-10**					Prepared: 02/08/24 Analyzed: 02/13/24
Benzene	4.15	0.0250	5.00	ND	83.1	54-133	7.56	20	
Ethylbenzene	4.19	0.0250	5.00	ND	83.8	61-133	7.00	20	
Toluene	4.16	0.0250	5.00	ND	83.3	61-130	7.29	20	
o-Xylene	4.28	0.0250	5.00	0.0799	83.9	63-131	5.75	20	
p,m-Xylene	8.50	0.0500	10.0	0.111	83.9	63-131	7.34	20	
Total Xylenes	12.8	0.0250	15.0	0.190	83.9	63-131	6.81	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.88*		*8.00*		*98.4*	*70-130*			

QC Summary Data

Targa	Project Name:	6842 Topaz Lateral	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406081-BLK1)									Prepared: 02/08/24 Analyzed: 02/09/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.66*		*8.00*		*95.8*	*70-130*			
LCS (2406081-BS2)									Prepared: 02/08/24 Analyzed: 02/08/24
Gasoline Range Organics (C6-C10)	40.5	20.0	50.0		81.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*8.00*		*94.7*	*70-130*			
Matrix Spike (2406081-MS2)				**Source: E402074-09**					Prepared: 02/08/24 Analyzed: 02/09/24
Gasoline Range Organics (C6-C10)	55.8	20.0	50.0	ND	112	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike Dup (2406081-MSD2)				**Source: E402074-09**					Prepared: 02/08/24 Analyzed: 02/09/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130	3.31	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.63*		*8.00*		*95.4*	*70-130*			

QC Summary Data

Targa	Project Name:	6842 Topaz Lateral	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406082-BLK1)									Prepared: 02/08/24 Analyzed: 02/13/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*8.00*		*94.7*	*70-130*			
LCS (2406082-BS2)									Prepared: 02/08/24 Analyzed: 02/13/24
Gasoline Range Organics (C6-C10)	41.6	20.0	50.0		83.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.63*		*8.00*		*95.4*	*70-130*			
Matrix Spike (2406082-MS2)				**Source: E402075-10**					Prepared: 02/08/24 Analyzed: 02/13/24
Gasoline Range Organics (C6-C10)	57.8	20.0	50.0	ND	116	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.65*		*8.00*		*95.7*	*70-130*			
Matrix Spike Dup (2406082-MSD2)				**Source: E402075-10**					Prepared: 02/08/24 Analyzed: 02/13/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130	6.87	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.39*		*8.00*		*92.4*	*70-130*			

QC Summary Data

Targa	Project Name:	6842 Topaz Lateral	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407017-BLK1)									Prepared: 02/12/24 Analyzed: 02/12/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.4*		*50.0*		*107*	*50-200*			
LCS (2407017-BS1)									Prepared: 02/12/24 Analyzed: 02/12/24
Diesel Range Organics (C10-C28)	227	25.0	250		91.0	38-132			
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*50-200*			
Matrix Spike (2407017-MS1)				**Source: E402075-04**					Prepared: 02/12/24 Analyzed: 02/12/24
Diesel Range Organics (C10-C28)	337	25.0	250	103	93.5	38-132			
Surrogate: n-Nonane	*53.7*		*50.0*		*107*	*50-200*			
Matrix Spike Dup (2407017-MSD1)				**Source: E402075-04**					Prepared: 02/12/24 Analyzed: 02/12/24
Diesel Range Organics (C10-C28)	358	25.0	250	103	102	38-132	5.92	20	
Surrogate: n-Nonane	*56.6*		*50.0*		*113*	*50-200*			

QC Summary Data

Targa	Project Name:	6842 Topaz Lateral	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2407018-BLK1)									Prepared: 02/12/24 Analyzed: 02/12/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*41.1*		*50.0*		*82.1*	*50-200*			
LCS (2407018-BS1)									Prepared: 02/12/24 Analyzed: 02/12/24
Diesel Range Organics (C10-C28)	214	25.0	250		85.4	38-132			
Surrogate: n-Nonane	*39.8*		*50.0*		*79.7*	*50-200*			
Matrix Spike (2407018-MS1)				**Source: E402075-23**					Prepared: 02/12/24 Analyzed: 02/12/24
Diesel Range Organics (C10-C28)	877	25.0	250	707	68.1	38-132			
Surrogate: n-Nonane	*41.8*		*50.0*		*83.5*	*50-200*			
Matrix Spike Dup (2407018-MSD1)				**Source: E402075-23**					Prepared: 02/12/24 Analyzed: 02/12/24
Diesel Range Organics (C10-C28)	938	25.0	250	707	92.5	38-132	6.72	20	
Surrogate: n-Nonane	*42.5*		*50.0*		*85.1*	*50-200*			

QC Summary Data

Targa	Project Name:	6842 Topaz Lateral	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406107-BLK1)									Prepared: 02/09/24 Analyzed: 02/09/24
Chloride	ND	20.0							
LCS (2406107-BS1)									Prepared: 02/09/24 Analyzed: 02/09/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2406107-MS1)				**Source: E402075-24**					Prepared: 02/09/24 Analyzed: 02/09/24
Chloride	278	20.0	250	24.3	101	80-120			
Matrix Spike Dup (2406107-MSD1)				**Source: E402075-24**					Prepared: 02/09/24 Analyzed: 02/09/24
Chloride	275	20.0	250	24.3	100	80-120	1.16	20	

QC Summary Data

Targa	Project Name:	6842 Topaz Lateral	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	2/14/2024 4:03:57PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2406108-BLK1)									Prepared: 02/09/24 Analyzed: 02/10/24
Chloride	ND	20.0							
LCS (2406108-BS1)									Prepared: 02/09/24 Analyzed: 02/10/24
Chloride	249	20.0	250		99.7	90-110			
Matrix Spike (2406108-MS1)				**Source: E402075-04**					Prepared: 02/09/24 Analyzed: 02/10/24
Chloride	275	20.0	250	23.8	101	80-120			
Matrix Spike Dup (2406108-MSD1)				**Source: E402075-04**					Prepared: 02/09/24 Analyzed: 02/10/24
Chloride	278	20.0	250	23.8	101	80-120	0.800	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	02/14/24 16:03

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 3

Client:	Targa Resources
Project:	6842 Topaz Lateral
Project Manager:	Brett Dennis
Address:	2620 W. Marland Blvd.
City, State, Zip:	Hobbs, NM 88240
Phone:	
Email:	bdennis@tasman-geo.com; cflores@tasman-geo.com; lflores@
Report due by:	

Bill To

Attention:	Amber Groves
Address:	201 S 4th St.
City, State, Zip:	Artesia, NM
Phone:	
Email:	agroves@targaresources.com
PO Pending	

Lab Use Only

Lab WO#	Job Number
E402075	21102-0001

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
8:10	2.6.24	S	1	Fl-1	1	X	X			X			
8:15	2.6.24	S	1	Fl-2	2	X	X			X			
8:20	2.6.24	S	1	Fl-3	3	X	X			X			
8:25	2.6.24	S	1	Fl-4	4	X	X			X			
8:30	2.6.24	S	1	Fl-5	5	X	X			X			
8:35	2.6.24	S	1	Fl-6	6	X	X			X			
8:40	2.6.24	S	1	Fl-7	7	X	X			X			
8:45	2.6.24	S	1	Fl-8	8	X	X			X			
8:50	2.6.24	S	1	Fl-9	9	X	X			X			
8:55	2.6.24	S	1	Fl-10	10	X	X			X			

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2/7/2024	1231	Michelle Garcia	2-7-24	1231
Michelle Garcia	2-7-24	1600	Andrew Morris	2.7.24	1800
Andrew Morris	2.7.24	2400	Kayla A Holt	2-8-24	0600

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Project Information | Chain of Custody | Page 2 of 3

Client:	Targa Resources
Project:	6842 Topaz Lateral
Project Manager:	Brett Dennis
Address:	2620 W. Marland Blvd.
City, State, Zip:	Hobbs, NM 88240
Phone:	
Email:	bdennis@tasman-geo.com; cflores@tasman-geo.com; lflores@
Report due by:	

Bill To

Attention:	Amber Groves
Address:	201 S 4th St.
City, State, Zip:	Artesia, NM
Phone:	
Email:	agroves@targaresources.com
	PO Pending

Lab Use Only: Lab WO# E402075 | Job Number 21102-0001

TAT: 1D | 2D | 3D | Standard X

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method: TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | GDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
9:00	2.6.24	S	1	Fl-11	11	X	X			X			
9:05	2.6.24	S	1	Fl-12	12	X	X			X			
9:10	2.6.24	S	1	Fl-13	13	X	X			X			
9:15	2.6.24	S	1	Fl-14	14	X	X			X			
9:20	2.6.24	S	1	Fl-15	15	X	X			X			
9:25	2.6.24	S	1	Fl-16	16	X	X			X			
10:30	2.6.24	S	1	W-1	17	X	X			X			
10:35	2.6.24	S	1	W-2	18	X	X			X			
10:40	2.6.24	S	1	W-3	19	X	X			X			
10:45	2.6.24	S	1	W-4	20	X	X			X			

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2/7/2024	1231	Michelle Garcia	2-7-24	1231
Michelle Garcia	2-7-24	1600	Andrew Hess	2-7-24	1800
Andrew Hess	2-7-24	2400	Keyla R Hall	2-8-24	0600

Lab Use Only: Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Project Information | Chain of Custody | Page 3 of 3

Client:	Targa Resources
Project:	6842 Topaz Lateral
Project Manager:	Brett Dennis
Address:	2620 W. Marland Blvd.
City, State, Zip:	Hobbs, NM 88240
Phone:	
Email:	bdennis@tasman-geo.com; cflores@tasman-geo.com; lflores@
Report due by:	

Bill To

Attention:	Amber Groves
Address:	201 S 4th St.
City, State, Zip:	Artesia, NM
Phone:	
Email:	agroves@targaresources.com
PO Pending	

Lab Use Only

Lab WO#	Job Number
E402075	21102-0001

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
10:50	2.6.24	S	1	W-5	21	X	X			X			
10:55	2.6.24	S	1	W-6	22	X	X			X			
11:00	2.6.24	S	1	W-7	23	X	X			X			
11:05	2.6.24	S	1	W-8	24	X	X			X			
	2.6.24	S	1			X	X			X			
	2.6.24	S	1			X	X			X			
	2.6.24	S	1			X	X			X			
	2.6.24	S	1			X	X			X			
	2.6.24	S	1			X	X			X			
	2.6.24	S	1			X	X			X			

Analysis and Method

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2/7/2024	1231	Michelle Gaylor	2-7-24	1231
Michelle Gaylor	2-7-24	1600	Andrew Hobbs	2-7-24	1800
Andrew Hobbs	2-7-24	2400	Kaylyn R Hall	2-8-24	0600

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 2/8/2024 8:27:39AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Targa	Date Received:	02/08/24 06:00	Work Order ID:	E402075
Phone:	(432) 999-8675	Date Logged In:	02/07/24 15:26	Logged In By:	Alexa Michaels
Email:	bdennis@tasman-geo.com	Due Date:	02/14/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Brett Dennis

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Targa

Project Name:	6842 Topaz Lateral
Work Order:	E402155
Job Number:	21102-0001
Received:	2/17/2024

Revision: 0

Report Reviewed By:

Draft
Walter Hinchman
Laboratory Director
2/19/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 2/19/24

Brett Dennis
12600 WCR 91
Midland, TX 79707

Project Name: 6842 Topaz Lateral
Workorder: E402155
Date Received: 2/17/2024 6:30:00AM

Brett Dennis,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/17/2024 6:30:00AM, under the Project Name: 6842 Topaz Lateral.

The analytical test results summarized in this report with the Project Name: 6842 Topaz Lateral apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Targa	Project Name:	6842 Topaz Lateral	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	02/19/24 16:49

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Fl- 4A	E402155-01A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 5A	E402155-02A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 6A	E402155-03A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 7A	E402155-04A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 8A	E402155-05A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 9A	E402155-06A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 10A	E402155-07A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 11A	E402155-08A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 12A	E402155-09A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 13A	E402155-10A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 14A	E402155-11A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 15A	E402155-12A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 16A	E402155-13A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
W -2A	E402155-14A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
W -4A	E402155-15A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
W -5A	E402155-16A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
W -7A	E402155-17A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/19/2024 4:49:04PM

Fl- 4A

E402155-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.0 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/19/2024 4:49:04PM

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E402155-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.5 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/19/2024 4:49:04PM

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E402155-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.1 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408002
Chloride	**43.7**	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/19/2024 4:49:04PM

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E402155-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.7 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408002
Chloride	**20.6**	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/19/2024 4:49:04PM

Fl- 8A

E402155-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.2 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*87.7 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408002
Chloride	**33.1**	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/19/2024 4:49:04PM

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E402155-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.8 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	**70.4**	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	**53.5**	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408002
Chloride	**22.4**	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/19/2024 4:49:04PM

Fl- 10A

E402155-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*98.8 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/19/2024 4:49:04PM

Fl- 11A

E402155-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/19/2024 4:49:04PM

Fl- 12A

E402155-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/19/2024 4:49:04PM

Fl- 13A

E402155-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/19/2024 4:49:04PM

Fl- 14A

E402155-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.3 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/19/2024 4:49:04PM

Fl- 15A

E402155-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/19/2024 4:49:04PM

Fl- 16A

E402155-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.5 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/19/2024 4:49:04PM

W -2A

E402155-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.2 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/19/2024 4:49:04PM

W -4A

E402155-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.7 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/19/2024 4:49:04PM

W -5A

E402155-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	**82.1**	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*91.3 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408002
Chloride	**27.1**	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/19/2024 4:49:04PM

W -7A

E402155-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.7 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	**196**	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	**110**	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*93.4 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

QC Summary Data

Targa	Project Name:	6842 Topaz Lateral	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	2/19/2024 4:49:04PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408002-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	ND	20.0							
LCS (2408002-BS1)									Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2408002-MS1)				**Source: E402155-02**					Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	272	20.0	250	ND	109	80-120			
Matrix Spike Dup (2408002-MSD1)				**Source: E402155-02**					Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	271	20.0	250	ND	108	80-120	0.238	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	02/19/24 16:49

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | RUSH | Page 1 of 2

Client:	Targa Resources
Project:	6842 Topaz Lateral
Project Manager:	Brett Dennis
Address:	2620 W. Marland Blvd.
City, State, Zip:	Hobbs, NM 88240
Phone:	
Email:	bdennis@tasman-geo.com; cflores@tasman-geo.com; lflores@tasman-geo.com; knorman @tasman-geo.com
Report due by:	

Bill To

Attention:	Amber Groves
Address:	201 S 4th St.
City, State, Zip:	Artesia, NM
Phone:	
Email:	agroves@targaresources.com
	PO Pending

Lab Use Only

Lab WO#	Job Number
E402155	21102-0001

TAT

1D	2D	3D	Standard
X			

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
0845	2.16.24		1	F1-4A	1	X	X			X			
0850			1	F1-5A	2	X	X			X			
0855			1	F1-6A	3	X	X			X			
0900			1	F1-7A	4	X	X			X			
0905			1	F1-8A	5	X	X			X			
0910			1	F1-9A	6	X	X			X			
0915			1	F1-10A	7	X	X			X			
0920			1	F1-11A	8	X	X			X			
0925			1	F1-12A	9	X	X			X			
0930			1	F1-13A	10	X	X			X			

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2.16.24		Michelle Cuyler	2.16.24	1330
Michelle Cuyler	2.16.24	1630		2/17/24	0630

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Project Information | Chain of Custody | RUSH | Page 2 of 2

Client:	Targa Resources
Project:	6842_TOPAZ LATERAL
Project Manager:	Brett Dennis
Address:	2620 W. Marland Blvd.
City, State, Zip:	Hobbs, NM 88240
Phone:	
Email:	bdennis@tasman-geo.com; cflores@tasman-geo.com; lflores@tasman-geo.com; knorman @tasman-geo.com
Report due by:	

Bill To

Attention:	Amber Groves
Address:	201 S 4th St.
City, State, Zip:	Artesia, NM
Phone:	
Email:	agroves@targaresources.com
	PO Pending

Lab Use Only

Lab WO#	Job Number
E402155	21102-0001

TAT

1D	2D	3D	Standard
X			

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
0935	2.16.24		1	F1-14A	11	X	X	X	CF	X			
0940			1	F1-15A	12	X	X	X		X			
0945			1	F1-16A	13	X	X	X		X			
0950			1	W-2A	14	X	X	X		X			
0955			1	W-4A	15	X	X	X		X			
1000			1	W-5A	16	X	X	X		X			
1005			1	W-7A	17	X	X	X		X			

Analysis and Method: TPH GRO/DRO/ORO by 8015; BTEX by 8021; VOC by 8260; Metals 6010; Chloride 300.0; BGDOC NM; GDOC TX

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2.16.24		Michella Cuyle	2-16-24	1330
Michella Cuyle	2-16-24	1630		2/17/24	0830
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 2/17/2024 8:14:39AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Targa	Date Received:	02/17/24 06:30	Work Order ID:	E402155
Phone:	(432) 999-8675	Date Logged In:	02/16/24 16:02	Logged In By:	Alexa Michaels
Email:	bdennis@tasman-geo.com	Due Date:	02/19/24 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

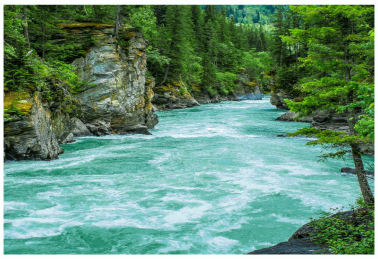
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Brett Dennis



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Targa

Project Name:	6842 Topaz Lateral
Work Order:	E402155
Job Number:	21102-0001
Received:	2/17/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/20/24

Date Reported: 2/20/24

Brett Dennis
12600 WCR 91
Midland, TX 79707

Project Name: 6842 Topaz Lateral
Workorder: E402155
Date Received: 2/17/2024 6:30:00AM

Brett Dennis,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/17/2024 6:30:00AM, under the Project Name: 6842 Topaz Lateral.

The analytical test results summarized in this report with the Project Name: 6842 Topaz Lateral apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Laboratory Administrator
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Sample Summary

Targa	Project Name:	6842 Topaz Lateral	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	02/20/24 14:32

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Fl- 4A	E402155-01A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 5A	E402155-02A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 6A	E402155-03A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 7A	E402155-04A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 8A	E402155-05A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 9A	E402155-06A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 10A	E402155-07A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 11A	E402155-08A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 12A	E402155-09A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 13A	E402155-10A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 14A	E402155-11A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 15A	E402155-12A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
Fl- 16A	E402155-13A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
W -2A	E402155-14A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
W -4A	E402155-15A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
W -5A	E402155-16A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.
W -7A	E402155-17A	Solid	02/16/24	02/17/24	Glass Jar, 2 oz.

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/20/2024 2:32:26PM

Fl- 4A

E402155-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.0 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/20/2024 2:32:26PM

Fl- 5A

E402155-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.5 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/20/2024 2:32:26PM

Fl- 6A

E402155-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.1 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2408002
Chloride	**43.7**	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/20/2024 2:32:26PM

Fl- 7A

E402155-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.7 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2408002
Chloride	**20.6**	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/20/2024 2:32:26PM

Fl- 8A

E402155-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.2 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*87.7 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2408002
Chloride	**33.1**	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/20/2024 2:32:26PM

Fl- 9A

E402155-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.8 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	**70.4**	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	**53.5**	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2408002
Chloride	**22.4**	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/20/2024 2:32:26PM

Fl- 10A

E402155-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*98.8 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/20/2024 2:32:26PM

Fl- 11A

E402155-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/20/2024 2:32:26PM

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E402155-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/20/2024 2:32:26PM

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E402155-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/20/2024 2:32:26PM

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E402155-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.3 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/20/2024 2:32:26PM

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E402155-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/20/2024 2:32:26PM

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E402155-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.5 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/20/2024 2:32:26PM

W -2A

E402155-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.2 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/20/2024 2:32:26PM

W -4A

E402155-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.7 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/20/2024 2:32:26PM

W -5A

E402155-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	**82.1**	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*91.3 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2408002
Chloride	**27.1**	20.0	1	02/19/24	02/19/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/20/2024 2:32:26PM

W -7A

E402155-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Benzene	ND	0.0250	1	02/19/24	02/19/24	
Ethylbenzene	ND	0.0250	1	02/19/24	02/19/24	
Toluene	ND	0.0250	1	02/19/24	02/19/24	
o-Xylene	ND	0.0250	1	02/19/24	02/19/24	
p,m-Xylene	ND	0.0500	1	02/19/24	02/19/24	
Total Xylenes	ND	0.0250	1	02/19/24	02/19/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.7 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408004
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/24	02/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*02/19/24*	*02/19/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2408008
Diesel Range Organics (C10-C28)	**196**	25.0	1	02/19/24	02/19/24	
Oil Range Organics (C28-C36)	**110**	50.0	1	02/19/24	02/19/24	
Surrogate: n-Nonane		*93.4 %*	*50-200*	*02/19/24*	*02/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2408002
Chloride	ND	20.0	1	02/19/24	02/19/24	

QC Summary Data

Targa	Project Name:	6842 Topaz Lateral	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	2/20/2024 2:32:26PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408004-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.78*		*8.00*		*97.3*	*70-130*			
LCS (2408004-BS1)									Prepared: 02/19/24 Analyzed: 02/19/24
Benzene	4.94	0.0250	5.00		98.8	70-130			
Ethylbenzene	4.82	0.0250	5.00		96.4	70-130			
Toluene	4.94	0.0250	5.00		98.7	70-130			
o-Xylene	4.90	0.0250	5.00		97.9	70-130			
p,m-Xylene	9.88	0.0500	10.0		98.8	70-130			
Total Xylenes	14.8	0.0250	15.0		98.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike (2408004-MS1)				**Source: E402155-10**					Prepared: 02/19/24 Analyzed: 02/19/24
Benzene	4.96	0.0250	5.00	ND	99.2	54-133			
Ethylbenzene	4.84	0.0250	5.00	ND	96.8	61-133			
Toluene	4.96	0.0250	5.00	ND	99.2	61-130			
o-Xylene	4.90	0.0250	5.00	ND	98.0	63-131			
p,m-Xylene	9.92	0.0500	10.0	ND	99.2	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.69*		*8.00*		*96.1*	*70-130*			
Matrix Spike Dup (2408004-MSD1)				**Source: E402155-10**					Prepared: 02/19/24 Analyzed: 02/19/24
Benzene	4.61	0.0250	5.00	ND	92.1	54-133	7.40	20	
Ethylbenzene	4.49	0.0250	5.00	ND	89.8	61-133	7.55	20	
Toluene	4.60	0.0250	5.00	ND	92.1	61-130	7.49	20	
o-Xylene	4.54	0.0250	5.00	ND	90.8	63-131	7.68	20	
p,m-Xylene	9.19	0.0500	10.0	ND	91.9	63-131	7.64	20	
Total Xylenes	13.7	0.0250	15.0	ND	91.5	63-131	7.66	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.69*		*8.00*		*96.1*	*70-130*			

QC Summary Data

Targa	Project Name:	6842 Topaz Lateral	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	2/20/2024 2:32:26PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408004-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.32*		*8.00*		*91.5*	*70-130*			
LCS (2408004-BS2)									Prepared: 02/19/24 Analyzed: 02/19/24
Gasoline Range Organics (C6-C10)	37.4	20.0	50.0		74.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			
Matrix Spike (2408004-MS2)				**Source: E402155-10**					Prepared: 02/19/24 Analyzed: 02/19/24
Gasoline Range Organics (C6-C10)	39.5	20.0	50.0	ND	79.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.37*		*8.00*		*92.1*	*70-130*			
Matrix Spike Dup (2408004-MSD2)				**Source: E402155-10**					Prepared: 02/19/24 Analyzed: 02/19/24
Gasoline Range Organics (C6-C10)	39.2	20.0	50.0	ND	78.4	70-130	0.895	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.31*		*8.00*		*91.4*	*70-130*			

QC Summary Data

Targa	Project Name:	6842 Topaz Lateral	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	2/20/2024 2:32:26PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408008-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.0*		*50.0*		*104*	*50-200*			
LCS (2408008-BS1)									Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	243	25.0	250		97.3	38-132			
Surrogate: n-Nonane	*49.5*		*50.0*		*99.1*	*50-200*			
Matrix Spike (2408008-MS1)				**Source: E402155-03**					Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	*48.1*		*50.0*		*96.3*	*50-200*			
Matrix Spike Dup (2408008-MSD1)				**Source: E402155-03**					Prepared: 02/19/24 Analyzed: 02/19/24
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132	2.37	20	
Surrogate: n-Nonane	*49.7*		*50.0*		*99.3*	*50-200*			

QC Summary Data

Targa	Project Name:	6842 Topaz Lateral	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	2/20/2024 2:32:26PM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408002-BLK1)									Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	ND	20.0							
LCS (2408002-BS1)									Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2408002-MS1)				**Source: E402155-02**					Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	272	20.0	250	ND	109	80-120			
Matrix Spike Dup (2408002-MSD1)				**Source: E402155-02**					Prepared: 02/19/24 Analyzed: 02/19/24
Chloride	271	20.0	250	ND	108	80-120	0.238	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	02/20/24 14:32

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | RUSH | Page 1 of 2

Client:	Targa Resources
Project:	6842 Topaz Lateral
Project Manager:	Brett Dennis
Address:	2620 W. Marland Blvd.
City, State, Zip:	Hobbs, NM 88240
Phone:	
Email:	bdennis@tasman-geo.com; cflores@tasman-geo.com; lflores@tasman-geo.com; knorman @tasman-geo.com
Report due by:	

Bill To

Attention:	Amber Groves
Address:	201 S 4th St.
City, State, Zip:	Artesia, NM
Phone:	
Email:	agroves@targaresources.com
	PO Pending

Lab Use Only

Lab WO#	Job Number
E402155	21102-0001

TAT

1D	2D	3D	Standard
X			

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
0845	2.16.24		1	F1-4A	1	X	X			X			
0850			1	F1-5A	2	X	X			X			
0855			1	F1-6A	3	X	X			X			
0900			1	F1-7A	4	X	X			X			
0905			1	F1-8A	5	X	X			X			
0910			1	F1-9A	6	X	X			X			
0915			1	F1-10A	7	X	X			X			
0920			1	F1-11A	8	X	X			X			
0925			1	F1-12A	9	X	X			X			
0930			1	F1-13A	10	X	X			X			

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2.16.24		Michelle Cuyler	2.16.24	1330
Michelle Cuyler	2.16.24	1630		2/17/24	0630

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Project Information | Chain of Custody | RUSH | Page 2 of 2

Client:	Targa Resources
Project:	6842_TOPAZ LATERAL
Project Manager:	Brett Dennis
Address:	2620 W. Marland Blvd.
City, State, Zip:	Hobbs, NM 88240
Phone:	
Email:	bdennis@tasman-geo.com; cflores@tasman-geo.com; lflores@tasman-geo.com; knorman @tasman-geo.com
Report due by:	

Bill To

Attention:	Amber Groves
Address:	201 S 4th St.
City, State, Zip:	Artesia, NM
Phone:	
Email:	agroves@targaresources.com
	PO Pending

Lab Use Only

Lab WO#	Job Number
E402155	21102-0001

TAT

1D	2D	3D	Standard
X			

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
0935	2.16.24		1	F1-14A	11	X	X	X	CF	X			
0940			1	F1-15A	12	X	X	X		X			
0945			1	F1-16A	13	X	X	X		X			
0950			1	W-2A	14	X	X	X		X			
0955			1	W-4A	15	X	X	X		X			
1000			1	W-5A	16	X	X	X		X			
1005			1	W-7A	17	X	X	X		X			

Analysis and Method: TPH GRO/DRO/ORO by 8015; BTEX by 8021; VOC by 8260; Metals 6010; Chloride 300.0; BGDOC NM; GDOC TX

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2.16.24		Michella Cuyle	2-16-24	1330
Michella Cuyle	2-16-24	1630		2/17/24	0830
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 2/17/2024 8:14:39AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Targa	Date Received:	02/17/24 06:30	Work Order ID:	E402155
Phone:	(432) 999-8675	Date Logged In:	02/16/24 16:02	Logged In By:	Alexa Michaels
Email:	bdennis@tasman-geo.com	Due Date:	02/19/24 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

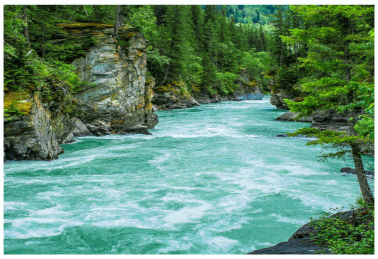
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Brett Dennis



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Targa

Project Name:	6842 Topaz Lateral
Work Order:	E402192
Job Number:	21102-0001
Received:	2/22/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/23/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 2/23/24

Brett Dennis
12600 WCR 91
Midland, TX 79707

Project Name: 6842 Topaz Lateral
Workorder: E402192
Date Received: 2/22/2024 5:30:00AM

Brett Dennis,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/22/2024 5:30:00AM, under the Project Name: 6842 Topaz Lateral.

The analytical test results summarized in this report with the Project Name: 6842 Topaz Lateral apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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mgonzales@envirotech-inc.com

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Sample Summary

Targa	Project Name:	6842 Topaz Lateral	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	02/23/24 11:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FL-9B	E402192-01A	Solid	02/21/24	02/22/24	Glass Jar, 2 oz.
W-7B	E402192-02A	Solid	02/21/24	02/22/24	Glass Jar, 2 oz.

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/23/2024 11:53:40AM

FL-9B

E402192-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2408069
Benzene	ND	0.0250	1	02/22/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/22/24	02/22/24	
Toluene	ND	0.0250	1	02/22/24	02/22/24	
o-Xylene	ND	0.0250	1	02/22/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/22/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/22/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.7 %*	*70-130*	*02/22/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2408069
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*02/22/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2408068
Diesel Range Organics (C10-C28)	**44.3**	25.0	1	02/22/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/24	02/22/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*02/22/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408071
Chloride	ND	20.0	1	02/22/24	02/22/24	

Sample Data

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	2/23/2024 11:53:40AM

W-7B

E402192-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2408069
Benzene	ND	0.0250	1	02/22/24	02/22/24	
Ethylbenzene	ND	0.0250	1	02/22/24	02/22/24	
Toluene	ND	0.0250	1	02/22/24	02/22/24	
o-Xylene	ND	0.0250	1	02/22/24	02/22/24	
p,m-Xylene	ND	0.0500	1	02/22/24	02/22/24	
Total Xylenes	ND	0.0250	1	02/22/24	02/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.1 %*	*70-130*	*02/22/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2408069
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/24	02/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.5 %*	*70-130*	*02/22/24*	*02/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2408068
Diesel Range Organics (C10-C28)	**32.9**	25.0	1	02/22/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/24	02/22/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*02/22/24*	*02/22/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2408071
Chloride	**32.0**	20.0	1	02/22/24	02/22/24	

QC Summary Data

Targa	Project Name:	6842 Topaz Lateral	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	2/23/2024 11:53:40AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408069-BLK1)									Prepared: 02/22/24 Analyzed: 02/22/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.6*	*70-130*			
LCS (2408069-BS1)									Prepared: 02/22/24 Analyzed: 02/22/24
Benzene	3.69	0.0250	5.00		73.8	70-130			
Ethylbenzene	3.87	0.0250	5.00		77.5	70-130			
Toluene	3.81	0.0250	5.00		76.1	70-130			
o-Xylene	3.84	0.0250	5.00		76.7	70-130			
p,m-Xylene	7.84	0.0500	10.0		78.4	70-130			
Total Xylenes	11.7	0.0250	15.0		77.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.68*		*8.00*		*96.0*	*70-130*			
Matrix Spike (2408069-MS1)				**Source: E402194-03**					Prepared: 02/22/24 Analyzed: 02/22/24
Benzene	4.53	0.0250	5.00	ND	90.7	54-133			
Ethylbenzene	4.78	0.0250	5.00	ND	95.6	61-133			
Toluene	4.70	0.0250	5.00	ND	93.9	61-130			
o-Xylene	4.74	0.0250	5.00	ND	94.8	63-131			
p,m-Xylene	9.64	0.0500	10.0	ND	96.4	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	95.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.63*		*8.00*		*95.4*	*70-130*			
Matrix Spike Dup (2408069-MSD1)				**Source: E402194-03**					Prepared: 02/22/24 Analyzed: 02/22/24
Benzene	4.98	0.0250	5.00	ND	99.7	54-133	9.48	20	
Ethylbenzene	5.27	0.0250	5.00	ND	105	61-133	9.82	20	
Toluene	5.17	0.0250	5.00	ND	103	61-130	9.53	20	
o-Xylene	5.22	0.0250	5.00	ND	104	63-131	9.68	20	
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131	9.56	20	
Total Xylenes	15.8	0.0250	15.0	ND	106	63-131	9.60	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.59*		*8.00*		*94.9*	*70-130*			

QC Summary Data

Targa	Project Name:	6842 Topaz Lateral	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	2/23/2024 11:53:40AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408069-BLK1)									Prepared: 02/22/24 Analyzed: 02/22/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.66*		*8.00*		*95.8*	*70-130*			
LCS (2408069-BS2)									Prepared: 02/22/24 Analyzed: 02/22/24
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.66*		*8.00*		*95.7*	*70-130*			
Matrix Spike (2408069-MS2)				**Source: E402194-03**					Prepared: 02/22/24 Analyzed: 02/22/24
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.66*		*8.00*		*95.8*	*70-130*			
Matrix Spike Dup (2408069-MSD2)				**Source: E402194-03**					Prepared: 02/22/24 Analyzed: 02/23/24
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130	13.5	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.99*		*8.00*		*99.9*	*70-130*			

QC Summary Data

Targa	Project Name:	6842 Topaz Lateral	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	2/23/2024 11:53:40AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408068-BLK1)									Prepared: 02/22/24 Analyzed: 02/22/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.3*		*50.0*		*111*	*50-200*			
LCS (2408068-BS1)									Prepared: 02/22/24 Analyzed: 02/22/24
Diesel Range Organics (C10-C28)	241	25.0	250		96.5	38-132			
Surrogate: n-Nonane	*53.0*		*50.0*		*106*	*50-200*			
Matrix Spike (2408068-MS1)				**Source: E402193-03**					Prepared: 02/22/24 Analyzed: 02/22/24
Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	*54.2*		*50.0*		*108*	*50-200*			
Matrix Spike Dup (2408068-MSD1)				**Source: E402193-03**					Prepared: 02/22/24 Analyzed: 02/22/24
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132	2.36	20	
Surrogate: n-Nonane	*55.3*		*50.0*		*111*	*50-200*			

QC Summary Data

Targa	Project Name:	6842 Topaz Lateral	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	2/23/2024 11:53:40AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2408071-BLK1)									Prepared: 02/22/24 Analyzed: 02/22/24
Chloride	ND	20.0							
LCS (2408071-BS1)									Prepared: 02/22/24 Analyzed: 02/22/24
Chloride	248	20.0	250		99.2	90-110			
Matrix Spike (2408071-MS1)				**Source: E402192-02**					Prepared: 02/22/24 Analyzed: 02/22/24
Chloride	285	20.0	250	32.0	101	80-120			
Matrix Spike Dup (2408071-MSD1)				**Source: E402192-02**					Prepared: 02/22/24 Analyzed: 02/22/24
Chloride	280	20.0	250	32.0	99.2	80-120	1.69	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Targa	Project Name:	6842 Topaz Lateral	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brett Dennis	02/23/24 11:53

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 2

Client:	Targa Resources
Project:	6842 Topaz Lateral
Project Manager:	Brett Dennis
Address:	2620 W. Marland Blvd
City, State, Zip	Hobbs, NM 88240
Phone:	
Email	bdennins@tasman-geo.com
Report due by:	

Bill To
Attention: Amber Groves
Address: 201 South 4th St.
City, State, Zip: Artesia, New Mexico
Phone:
Email:agroves@targaresources.com
PO Pending

Lab Use Only
Lab WO# E402192 | Job Number 21102-0001

TAT: 1D X | 2D | 3D | Standard

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Hold	BGDOC NM	GDOC TX	Remarks
0900	2.21.24	S	1	FL-9B	1	X	X			X				
0910	2.21.24	S	1	W-7B	2	X	X			X				

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Robin Hall	2.21.24	13:52	Michelle Cruz	2-21-24	1352
Michelle Cruz	2-21-24	1645	Andrew Muse	2.21.24	1700
Andrew Muse	2.21.24	2300	Kayla R Hall	2-22-24	0530

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other
Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 2/22/2024 9:06:57AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Targa	Date Received:	02/22/24 05:30	Work Order ID:	E402192
Phone:	(432) 999-8675	Date Logged In:	02/21/24 15:51	Logged In By:	Alexa Michaels
Email:	bdennis@tasman-geo.com	Due Date:	02/22/24 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Appendix E – NMSLO Seed Mixture

NMSLO Seed Mix Sandy Loam (SL)

SANDY LOAM (SL) SITES SEED MIXTURE:

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Grasses:			
Galleta grass	Viva, VNS, So.	2.5	F
Little bluestem	Cimmaron, Pastura	2.5	F
Blue grama	Hachita, Lovington	2.0	D
Sideoats grama	Vaughn, El Reno	2.0	F
Sand dropseed	VNS, Southern	1.0	S
Forbs:			
Indian blanketflower	VNS, Southern	1.0	D
Parry penstemon	VNS, Southern	1.0	D
Blue flax	Appar	1.0	D
Desert globemallow	VNS, Southern	1.0	D
Shrubs:			
Fourwing saltbush	VNS, Southern	2.0	D
Common winterfat	VNS, Southern	1.0	F
Apache plume	VNS, Southern	0.75	F
	Total PLS/acre	**17.75**	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box

- VNS, Southern – No Variety Stated, seed should be from a southern latitude collection of this species.
- Double above seed rates for broadcast or hydroseeding.
- If Parry penstemon is not available, substitute firecracker penstemon.
- If desert globemallow is not available, substitute scarlet globemallow or Nelson globemallow.
- If a species is not available, provide a suggested substitute to the New Mexico Land Office for approval. Increasing all other species proportionately may be acceptable.

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

QUESTIONS

Action 357368

QUESTIONS

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 357368
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2324144714**
Incident Name	**NAPP2324144714 TOPAZ LATERAL @ 0**
Incident Type	**Natural Gas Release**
Incident Status	**Reclamation Report Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	TOPAZ LATERAL
Date Release Discovered	08/24/2023
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Natural Gas Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	*Not answered.*
Condensate Released (bbls) Details	Cause: High Line Pressure | Pipeline (Any) | Condensate | Released: 1 BBL | Recovered: 0 BBL | Lost: 1 BBL.
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 357368
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**More info needed to determine if this will be treated as a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	*Unavailable.*
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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.

I hereby agree and sign off to the above statement	Name: Amber Groves Title: Environmental Specialist Email: agroves@targaresources.com Date: 06/25/2024

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QUESTIONS (continued)

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 357368
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	98.4
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2278
GRO+DRO (EPA SW-846 Method 8015M)	2278
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	01/29/2024
On what date will (or did) the final sampling or liner inspection occur	02/16/2024
On what date will (or was) the remediation complete(d)	02/16/2024
What is the estimated surface area (in square feet) that will be reclaimed	7329
What is the estimated volume (in cubic yards) that will be reclaimed	1176
What is the estimated surface area (in square feet) that will be remediated	7329
What is the estimated volume (in cubic yards) that will be remediated	1176
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 357368
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	LAZY ACE LANDFARM [fEEM0420827553]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
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.	
I hereby agree and sign off to the above statement	Name: Amber Groves Title: Environmental Specialist Email: agroves@targaresources.com Date: 06/25/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 357368
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 357368
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**310808**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**02/06/2024**
What was the (estimated) number of samples that were to be gathered	**29**
What was the sampling surface area in square feet	**3821**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	7239
What was the total volume (cubic yards) remediated	1176
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	7239
What was the total volume (in cubic yards) reclaimed	1176
Summarize any additional remediation activities not included by answers (above)	Please see the attached closure report.

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Amber Groves Title: Environmental Specialist Email: agroves@targaresources.com Date: 06/25/2024

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QUESTIONS (continued)

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 357368
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	7239
What was the total volume of replacement material (in cubic yards) for this site	1176
Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	09/01/2024
Summarize any additional reclamation activities not included by answers (above)	Please see the attached closure report.
The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.	
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.	
I hereby agree and sign off to the above statement	Name: Amber Groves Title: Environmental Specialist Email: agroves@targaresources.com Date: 06/25/2024

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QUESTIONS (continued)

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 357368
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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CONDITIONS

Action 357368

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
nvelez	None	8/19/2024